

## INVITATION TO BID

### **BID DESCRIPTION: RFB NUMBER: ARMD/2023/15 - MAINTENANCE AND REPAIRS (REFIT) ON THE SAN MEKO A-200 VALOUR CLASS FRIGATE**

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#### PROPRIETARY INFORMATION

- Bid documents may **ONLY** be obtained from the Armscor Supply Chain Management Department.
- Bid documents obtained from Armscor may **NOT** be given to a third party.
- Bid proposals received from companies whose bid documents were **NOT** obtained from Armscor will **NOT** be considered.

*Bids must ONLY be submitted in hard copy; electronic bids submissions are NOT acceptable.*

Kindly register on the National Treasury's Central Supplier Database (CSD) via [www.csd.gov.za](http://www.csd.gov.za)

## RETURNABLE DOCUMENTS CHECKLIST

Bidders are required to develop a returnable schedule annexure in accordance with the following table of contents

|     | List of documents required.                                                                                                              | Submitted<br>[Yes or No] |                          |
|-----|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------|
|     |                                                                                                                                          | Yes                      | No                       |
| 1.  | Central Supplier database (CSD) registration report or Unique Registration Reference Number                                              | <input type="checkbox"/> | <input type="checkbox"/> |
| 2.  | Valid Tax Clearance Certificate (s) and or proof of application endorsed by SARS and / or SARS issued verification pin code.             | <input type="checkbox"/> | <input type="checkbox"/> |
| 3.  | Copies of bidders CIPC Company registration documents listing all members with percentage, See bidding structure for required documents. | <input type="checkbox"/> | <input type="checkbox"/> |
| 4.  | Copy of the Joint Venture / Consortium Agreement duly signed by all parties                                                              | <input type="checkbox"/> | <input type="checkbox"/> |
| 5.  | Copy of the Sub-Contracting Agreement duly signed by all parties                                                                         | <input type="checkbox"/> | <input type="checkbox"/> |
| 6.  | Valid proof of BBBEE status for the bidder and its sub-contractor(s)                                                                     | <input type="checkbox"/> | <input type="checkbox"/> |
| 7.  | Designated sectors: Local production and content. (Where applicable)                                                                     | <input type="checkbox"/> | <input type="checkbox"/> |
| 8.  | Originally certified copy of Identity Document for the Company representative                                                            | <input type="checkbox"/> | <input type="checkbox"/> |
| 9.  | Copy of latest audited financial statements                                                                                              | <input type="checkbox"/> | <input type="checkbox"/> |
| 10. | Bid conditions acceptance form on KD17 (Mandatory)                                                                                       | <input type="checkbox"/> | <input type="checkbox"/> |

Company registration: 1968/008611/06    Vat registration: 4500101169

**RFB No: ARMD/2023/15**

**BIDDING STRUCTURE**

| Indicate the type of bidding structure by marking with an 'X' in an appropriate box. |  |
|--------------------------------------------------------------------------------------|--|
| Individual Bidder                                                                    |  |
| Joint Venture                                                                        |  |
| Consortium                                                                           |  |
| Using Sub-contractors                                                                |  |
| Other                                                                                |  |

**Only fill the relevant category:**

| If individual bidder, indicate the following:                                                                                               |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|--|
| Name of Bidder                                                                                                                              |  |
| Company / Close Corporation<br>Registration Number                                                                                          |  |
| VAT Registration Number                                                                                                                     |  |
| National Treasury Supplier Number                                                                                                           |  |
| Unique Registration Reference<br>Number                                                                                                     |  |
| Contact Person                                                                                                                              |  |
| Telephone Number                                                                                                                            |  |
| Fax Number                                                                                                                                  |  |
| Email Address                                                                                                                               |  |
| Postal Address                                                                                                                              |  |
| Physical Address                                                                                                                            |  |
| NB: Submit with the bid the following documents:                                                                                            |  |
| Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.                           |  |
| In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country. |  |
| Latest copies of all share certificates, in case of a company or any other form of a legal entity.                                          |  |
| Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.                                |  |

**If Joint Venture or Consortium, indicate the following: (To be completed for each JV/Consortium member)**

|                                                    |  |
|----------------------------------------------------|--|
| Name of Joint Venture / Consortium                 |  |
| Company / Close Corporation<br>Registration Number |  |
| VAT Registration Number                            |  |
| National Treasury Supplier Number                  |  |
| Unique Registration Reference<br>Number            |  |
| Contact Person                                     |  |
| Telephone Number                                   |  |
| Fax Number                                         |  |
| Email Address                                      |  |
| Postal Address                                     |  |
| Physical Address                                   |  |

**NB: Submit with the bid the following documents:**

Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.

In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country.

Latest copies of all share certificates, in case of a company or any other form of a legal entity.

Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.

| <b>If using subcontractors, indicate the following:</b>                                                                                     |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|--|
| Name of Prime -Contractor                                                                                                                   |  |
| Percentage Value to be subcontracted                                                                                                        |  |
| Company / Close Corporation<br>Registration Number                                                                                          |  |
| VAT Registration Number                                                                                                                     |  |
| National Treasury Supplier Number                                                                                                           |  |
| Unique Registration Reference<br>Number                                                                                                     |  |
| Contact Person                                                                                                                              |  |
| Telephone Number                                                                                                                            |  |
| Fax Number                                                                                                                                  |  |
| Email Address                                                                                                                               |  |
| Postal Address                                                                                                                              |  |
| Physical Address                                                                                                                            |  |
| <b>Subcontractor Details:</b>                                                                                                               |  |
| Name of Subcontractor                                                                                                                       |  |
| Company / Close Corporation<br>Registration Number                                                                                          |  |
| VAT Registration Number                                                                                                                     |  |
| National Treasury Supplier Number                                                                                                           |  |
| Unique Registration Reference<br>Number                                                                                                     |  |
| Contact Person                                                                                                                              |  |
| Telephone Number                                                                                                                            |  |
| Fax Number                                                                                                                                  |  |
| Email Address                                                                                                                               |  |
| Postal Address                                                                                                                              |  |
| Physical Address                                                                                                                            |  |
| <b>NB: Submit with the bid the following documents for both Prime and Sub-Contractors:</b>                                                  |  |
| Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.                           |  |
| In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country. |  |
| Latest copies of all share certificates, in case of a company or any other form of a legal entity.                                          |  |
| Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.                                |  |

|                                                                                                                                             |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>Other:</b>                                                                                                                               |  |
| Name of Bidder                                                                                                                              |  |
| Company / Close Corporation<br>Registration Number                                                                                          |  |
| VAT Registration Number                                                                                                                     |  |
| National Treasury Supplier Number                                                                                                           |  |
| Unique Registration Reference<br>Number                                                                                                     |  |
| Contact Person                                                                                                                              |  |
| Telephone Number                                                                                                                            |  |
| Fax Number                                                                                                                                  |  |
| Email Address                                                                                                                               |  |
| Postal Address                                                                                                                              |  |
| Physical Address                                                                                                                            |  |
| <b>NB: Submit with the bid the following documents:</b>                                                                                     |  |
| Copies of the bidder's CIPC company registration documents listing all members with percentages, in case of a CC.                           |  |
| In case of individual supply ID document for local and if foreigner supply passport number or identification as applicable in that country. |  |
| Latest copies of all share certificates, in case of a company or any other form of a legal entity.                                          |  |
| Shareholding breakdown per race, gender and percentage shareholding with shareholders of the bidding entity.                                |  |

## Declaration:

I, as the duly authorized representative of the bidder hereby authorize Armscor to request, investigate and process company information including tax compliance via the SARS website.

.....  
Name

.....  
ID number

**BID CONDITIONS ACCEPTANCE FORM**

**Bidders shall complete and sign this bid conditions acceptance form**

I/We hereby offer to supply all of the supplies and/or services described in the Pricing Schedule and /or attached documents on the terms and conditions and in accordance with the conditions set out in A-STD-0020 Issue 5 dated 22 June 2022 (and I/we acknowledge that I/we am/are acquainted therewith) at the price and on the terms of delivery/execution inserted by me/us.

I/We agree -

1. that this bid shall remain binding on me/us and open for acceptance for the period stipulated above;
2. that if my/our bids is accepted, the acceptance will be communicated to me/us by letter or order through the post, and such acceptance shall constitute a contract between me/us and Armscor, subject to the terms and conditions set out in Armscor's General Conditions of Contract (A-STD-0020), Issue 5 dated 25 July 2022, the contents of which I/we acknowledge ourselves to be acquainted with.

I/We choose as domicilium citandi et executandi in the Republic

.....

.....

(no post box or private bag)

IN BLOCK LETTERS ON BEHALF OF -

Complete registered:

Name of bidder:.....

**AUTHORISED SIGNATURE**

..... Date: .....

Name in block letters: .....

Capacity: .....

**NB: FAILURE TO COMPLETE AND SIGN THIS PAGE SHALL INVALIDATE THE BID AND WILL BE DISQUALIFIED FROM FURTHER EVALUATION.**

**SUPPLIER REGISTRATION**

- 1.1 Bidders must register on the National Treasury Central Supplier Database (CSD) in terms of National Treasury Instruction Note 3 of 2016/17.
- 1.2 Bidders must electronically register for Security on Armscor website to be considered for orders which are administered by Armscor SOC Ltd on Behalf of clients.

For more information on security registration contact:-

**The Security Registration**

**Private Bag X337**

**PRETORIA**

**0001**

**E-mail:- register@armscor.co.za**

**ALL BIDDERS SHALL COMPLY WITH THE FOLLOWING:**

1. The pages of the KD17 document are numbered from one, and the final page bears the words "and last". Bidders should check the numbers of the pages as no liability arising from claims owing to the omission or duplication of pages will be recognised by Armscor. The appendices mentioned in these pages form part of the bids.
2. **All bidders shall -**
  - 2.1. insert their name at the top of each price schedule form used (a rubber stamp may be used);
  - 2.2. insert the information in the spaces provided in the price schedules by writing or typing on the dotted lines only (additional information should be contained in a separate annexure);
  - 2.3. if they wish to make more than one bid against an item, as an alternative, apply for additional copies of the bid documents or photocopy one or more pages, and not retype or redraft any of the forms used;
  - 2.4. indicate the prices quoted in the units shown and quote them per item;
  - 2.5. indicate in respect of each item whether the goods/services quoted comply strictly with the specified requirements, and furnish particulars of deviations if this is not so;
  - 2.6. complete all appendices.
3. **Value-added tax, customs duties, *ad valorem* customs duties and surcharges:**
  - 3.1. Value added tax levied by the Receiver of Revenue must not be included in the prices quoted but be shown as a separate line item.
  - 3.2. Where supplies are quoted which are subject to levying of any customs duty, *ad valorem* customs or excise duty or surcharge by the Department of Customs and Excise, such charges must not be included by the bidder in the prices quoted. The applicable customs duty, *ad valorem* customs or excise duty or surcharge must, however, be indicated separately where provided for on Armscor's Questionnaire (KD 18).
4. **Security:**
  - 4.1. Classified bids are to be handled in the manner set out in Armscor's Security Instruction, document number A-WI-014, copies of which are obtainable on request from the Contractor Security Section, P O Box 411, Pretoria, 0001.
  - 4.2. Attention is drawn particularly to the procedure set out in chapter 4 of the manual, which is to be complied with when forwarding classified documents.

**5. Mandatory Requirements In Terms Of The 2019 Defence Sector Code (Where applicable)**

- 5.1 Bidders, excluding exempted entities, must comply with a minimum black equity ownership target of 35% in line with the Defence Sector Code, where applicable.
- 5.2 Mandatory requirements in terms of the defence sector code are applicable to all Department of Defence/Armcor requirements and all entities as envisaged in the Defence Sector Code.

**6. Advance payments:**

Bidders shall furnish the price without advance payment. (Consult paragraph 8 of A-STD-0010).

**7. Performance Guarantee:**

Armcor reserves the right to request the successful bidders to submit a performance guarantee for the proposed contract. Bidders must submit prices without provision for the performance guarantee as well as prices including the cost of such a guarantee.

**9. Commissions:**

If any commission is payable by yourself to any person(s) or body as a result of any order which may arise from this Request for Proposal, you must submit full details of the applicable person(s) or body and the amount payable, with this bids.

**10. Compliance with Arms Control and Non-Proliferation requirements**

Any bidder responding to this Request for Proposal (RFP) shall comply with the following when dealing with defence matériel:

- 10.1 All relevant South African legislation, including, but not restricted to, the following:
- a) National Conventional Arms Control Act, Act No. 41 of 2002, and its implementing Regulations; and
  - b) Non-proliferation of Weapons of Mass Destruction Act, Act No. 87 of 1993, as amended, and its implementing Regulations.
- 10.2 Defence export legislation of supplier countries, i.e. countries from which defence matériel is exported to South Africa as well as countries of origin of the matériel.

- 10.3 It is the responsibility of the bidder to, when applicable, register with the Directorate Conventional Arms Control (DCAC), Defence Secretariat, in terms of section 13 of the National Conventional Arms Control Act and with the South African Council for the Non-Proliferation of Weapons of Mass Destruction Act.
- 10.4 If a contract with Armscor is being entered into, the Contractor shall comply with arms control and non-proliferation requirements as prescribed by the contract-

#### 11. Submission of a NCACC Permit

- 11.1 In terms of the National Conventional Arms Control Act (Act No 41 of 2002, Chapter II, section 13), no person may trade in conventional arms, unless that person is:
- a) Registered with the National Conventional Arms Control Committee (NCACC)
  - b) Is in possession of a permit authorised by the NCACC and issued by the Directorate Conventional Arms control (DCAC).

**NOTE: Local bidders who trade in Conventional Arms as set out above are required to submit a certified copy of a valid NCACC permit when submitting a bid.**

#### 12. Tax Compliance

The conditions detailed in the Instruction for Application for Tax Compliance (KD 25) must be adhered to. Armscor Suppliers /Bidders must remain tax compliant for the duration of their contracts.

#### 13. Defence Industrial Participation and National Industrial Participation

- 13.1 The DIP value threshold of foreign content is based on:

Any single agreement of which the foreign content exceeds USD 2 million; Multiple main agreements concluded within two years of each other, within the framework of a specific project or across different projects, for same and or similar products or services, awarded to the same Seller of which the aggregate value of the foreign content exceeds USD 2 million; Extensions or amendments to the main agreement within the active life of the agreement, which result in the aggregate foreign content value of the project exceeding USD 2 million; Where multiple suppliers are used to address a single Defence Acquisition for the same products or services and the value of the foreign content, in total, exceeds USD 2 million, each supplier shall incur pro rata 50% of the total DIP obligation.

- 13.2 Where a contract to the value of the equivalent of USD10 000 000 or more, is placed on a foreign company, a minimum of 30 % National Industrial Participation (NIP) shall be part of the foreign company's contractual obligations, in addition to the 50 % DIP. This condition is also applicable to all contracts placed on a local company, subcontracting a single foreign company to the aforesaid value or more.

#### 14. Mandatory local production and content for designated sectors

- 14.1 When applicable, bids not meeting the mandatory local production and content for designated sectors will not be considered for further evaluation.
- 14.2 A person awarded a contract in relation to a designated sector, may not sub-contract in such a manner that the local production and content of the overall value of the contract is reduced to below the stipulated minimum threshold.
- 14.3 If there is no designated sector, Armscor will include as a specific condition of the bid, that only locally produced services or goods or locally manufactured goods with a stipulated minimum threshold for local production and content, will be considered.

## 15. Awarding of Bids

The awarding of bids will be in terms of the Preferential Procurement Policy Framework Act, 2000; Preferential Procurement Regulations, 2022 and Armscor Preference Point System of the Preferential Procurement Regulations, 2022.

The applicable points are:

|                                                |                   |
|------------------------------------------------|-------------------|
| <b>Price: (Pp)</b>                             | <b>90 Points</b>  |
| <b>Broad-Based Black Economic Empowerment:</b> | <b>10 Points</b>  |
|                                                | <b>Total:</b>     |
|                                                | <b>100 Points</b> |

The following formula must be used to calculate the points in respect of a bid to a rand value that exceeds R 50 000 000, 00 (all applicable taxes included).

(Armscor may also apply this formula to price quotations with a value of less than R30 000, if and when appropriate):

$$P_s = P_p$$

$$\text{Provided that } \sum (P_{pa}) = 90$$

|        |       |                                                  |
|--------|-------|--------------------------------------------------|
| Where: | $P_s$ | = points scored for bid/bids under consideration |
|        | $P_p$ | = points scored for price                        |
|        | $a$   | = allocated                                      |

$$\text{The points scored for price (Pp)} = P_{pa} * \left(1 - \frac{P_t - P_m}{P_m}\right)$$

Where:  $P_{pa}$  = points allocated for price

$P_t$  = comparative price of bid/bids under consideration

$P_m$  = comparative price of lowest acceptable bid/bids

## 16. Objective Criteria

- 16.1 A contract may be awarded to a bidder that did not score the highest points only in accordance with section 2 (1) (f) of the Act. If Armscor intends on applying objective criteria in terms of section 2(1) (f) of the Act, this will be stated in the bid document.

KD17

BID NUMBER : ARMD/2023/15

CLOSING AT 11:00 ON : 02/08/2023

VALIDITY PERIOD: 120 DAYS

NAME OF BIDDER :

| ITEM NO               | DESCRIPTION                                                                                            | QTY | UNIT PRICE IN FOREIGN CURRENCY | UNIT PRICE IN S.A. CURRENCY | SUBTOTAL |
|-----------------------|--------------------------------------------------------------------------------------------------------|-----|--------------------------------|-----------------------------|----------|
| 01                    | Refit of Frigate as per RFB, Statement of Work <b>Appendix A</b><br><br><b>Note</b><br>Single envelope |     |                                |                             |          |
| TOTAL (excluding VAT) |                                                                                                        |     |                                |                             |          |
| VAT                   |                                                                                                        |     |                                |                             |          |
| TOTAL (including VAT) |                                                                                                        |     |                                |                             |          |

1. Delivery address: Naval Base Simon's Town.
  2. \* Period required for commencement of delivery, after receipt of order: .....
  3. \* Rate of delivery: .....
  4. \* Period required for completion of order, after receipt thereof: .....
- \* Must be completed by Bidder if not completed by Armscor

**ARMAMENTS CORPORATION OF SOUTH AFRICA LTD  
(ARMSCOR)**

**QUESTIONNAIRE**

**REPLIES**

1. What is the request for bids number? .....
2. Price basis of bids (if deviating from **Delivered into store**): .....
3. Indicate which of the following applies:
 

3.1 The prices are fixed.

3.2 The prices are not fixed (N. B. See Par. 9 of A-Std-0010)
4. The delivery period fixed
5. Are you the accredited agent in the RSA for the manufacturer of the supplies quoted by you? .....

**WHERE SUPPLIES OFFERED ARE TO BE IMPORTED OR ARE OFFERED EX BONDED WAREHOUSE, THE ATTACHED SECURITY QUESTIONNAIRE (KD 22) MUST BE COMPLETED AND THE FOLLOWING QUESTIONS ANSWERED:**

6. Is a special import permit required? .....  
 If not, state your imports permit number .....
7. What are the names and addresses of your overseas suppliers? (Give particulars in KD 22) .....
8. Foreign content:
 

8.1 What amount in foreign currency must be remitted? overseas? .....  
 8.2 What is the rate of exchange used in converting the ZAR1, 00 = .....  
 amount into SA Rand and the date on which this is based? DATE: .....
9. Statutory costs:
 

9.1 Are the goods quoted on subject to customs duty, ad valorem customs or surcharge? .....

.../2

-2-

9.2 If so, what is the amount payable in respect of

- a) Customs duty .....
- b) Ad valorem customs duty? .....

### PRICE BREAKDOWN

10. The following particulars must be furnished, failure of which may invalidate the bids.

- 10.1 FOB/FCA cost of item
- 10.2 Sea/Air freight
- 10.3 Insurance charges
- 10.4 Clearance charges
- 10.5 Customs duties
- 10.6 Ad valorem customs duties
- 10.7 Delivery costs from port/airport to your premises
- 10.8 Local content (excluding (10.10)
- 10.9 Delivery costs from your premises into store
- 10.10 Balance (detail to be submitted)

**TOTAL**

| AMOUNT | % OF TOTAL PRICE |
|--------|------------------|
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |
|        |                  |

.....  
DATE

.....  
BIDDER'S SIGNATURE

-1-

**ARMAMENTS CORPORATION OF S.A. LIMITED  
(ARMSCOR)**

**PREVIOUS PURCHASES**

**LAST TWO BIDS**

If any similar or identical equipment has been supplied to ARMSCOR,  
or to any of ARMSCOR'S subsidiaries or the South African National Defence  
Force, the completion of this form by bidders is compulsory.

| DATE OF<br>BIDS | ORGANIZATION | ORDER<br>NO. | ITEMS<br>PURCHASED | UNIT<br>PRICE | MOTIVATION<br>FOR PRICE<br>DIFFERENCES |
|-----------------|--------------|--------------|--------------------|---------------|----------------------------------------|
|                 |              |              |                    |               |                                        |
|                 |              |              |                    |               |                                        |
|                 |              |              |                    |               |                                        |
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|                 |              |              |                    |               |                                        |
|                 |              |              |                    |               |                                        |
|                 |              |              |                    |               |                                        |
|                 |              |              |                    |               |                                        |

|                              |  |
|------------------------------|--|
| <b>BIDDER:</b>               |  |
| <b>SURNAME AND INITIALS:</b> |  |
| <b>DATE:</b>                 |  |
| <b>SIGNATURE:</b>            |  |

**ARMAMENTS CORPORATION OF SOUTH AFRICA LIMITED  
(ARMSCOR)**

**SECURITY QUESTIONNAIRE ON THE IMPORTED CONTENT OF BIDS**

1. In all cases where the supplies quoted are imported (either in full or in part), bidders shall furnish the following particulars (if space is insufficient, use additional pages):

1.1 COUNTRY OF ORIGIN:

| Item No(s). | Country |
|-------------|---------|
| .....       | .....   |
| .....       | .....   |
| .....       | .....   |
| .....       | .....   |

1.2 NAME OF MANUFACTURER(S)/SUPPLIER(S)/STOCKIST(S):

| Item No(s). | Name  |
|-------------|-------|
| .....       | ..... |
| .....       | ..... |
| .....       | ..... |
| .....       | ..... |

1.3 NAME OF INTERMEDIARY (IES) (WHEN THERE IS NO DIRECT CONTACT WITH THE FIRMS LISTED IN 1.2):

| Item No(s). | Name  |
|-------------|-------|
| .....       | ..... |
| .....       | ..... |
| .....       | ..... |
| .....       | ..... |

1.4 NAME OF AGENTS RESPONSIBLE FOR SHIPPING AND CLEARANCE:

| Item No(s) | Name  |
|------------|-------|
| .....      | ..... |
| .....      | ..... |
| .....      | ..... |
| .....      | ..... |

1.5 NAME OF BANK ARRANGING TRANSFER OF FUNDS OVERSEAS:

| Item No(s). | Name  |
|-------------|-------|
| .....       | ..... |
| .....       | ..... |
| .....       | ..... |
| .....       | ..... |

.../2

1.6 IS AN END-USER CERTIFICATE REQUIRED? YES/NO

If yes:-

Item No. (s).

.....  
 .....  
 .....  
 .....

1.7 ARE THE ITEMS SUBJECT TO ANY SPECIAL EXPORT REQUIREMENTS? YES/NO

If Yes:-

Item No. (s).

Requirements

|       |       |
|-------|-------|
| ..... | ..... |
| ..... | ..... |
| ..... | ..... |
| ..... | ..... |

2. Failure to furnish the information requested may render the bid invalid.

.....  
 NAME

.....  
 DATE

.....  
 BIDDER'S SIGNATURE

## BROAD-BASED BLACK ECONOMIC EMPOWERMENT

### ACRONYMS AND ABBREVIATIONS

|        |                                                |
|--------|------------------------------------------------|
| B-BBEE | Broad-Based Black Economic Empowerment         |
| CIPC   | Companies and Intellectual Property Commission |
| COTS   | Commercial Off The Shelf                       |
| EME    | Exempted Micro Enterprises                     |
| MOTS   | Military Off The Shelf                         |
| QSE    | Qualifying Small Enterprises                   |
| SANAS  | South African National Accreditations Systems  |

#### 1. MANDATORY B-BBEE REQUIREMENT:

- 1.1 In terms of the Defence Sector Codes, contracts for goods and services shall only be awarded to a bidder that has Black Equity Ownership of at least 25% in year 1 (12 April 2019 to 31 March 2020), 30% in year 2 (01 April 2020 to 31 March 2021) and 35% in year 3 (01 April 2021) onwards, where applicable.
- 1.2 EMEs are exempted from compliance with the mandatory B-BBEE requirement.

**NB: Failure by the bidder to comply with the B-BBEE Mandatory Requirements as stated herein above will lead to disqualification.**

## 2. PREFERENCE POINTS FOR BROAD-BASED BLACK ECONOMIC EMPOWERMENT

2.1 The B-BBEE preference points will be awarded in terms of the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2022; Armscor Preference Point System of the Preferential Procurement Regulations, 2022.

2.2 The 90/10 preference point system is applicable to all bids with a Rand value above R50 000 000,00 (all applicable taxes included)

2.3 Preference points for this bid shall be awarded for:

|                                                   |     |
|---------------------------------------------------|-----|
| PRICE                                             | 90  |
| B-BBEE STATUS                                     | 10  |
| Total points for Price and B-BBEE must not exceed | 100 |

2.4 Bidders who do not submit a valid proof of B-BBEE status will score zero (0) for preference points.

## 3. ALLOCATION OF PREFERENCE POINTS FOR SPECIFIC GOALS

3.1 The preference points for specific are to be claimed and allocated according to the table below for acquisition of services, works or goods with a value above R50 000 000, 00 and must be substantiated by means of a valid proof of B-BBEE.

| (Specific Goals) B-BBEE status level | Points Allocated |
|--------------------------------------|------------------|
| Level 1                              | 10               |
| Level 2                              | 9                |
| Level 3                              | 6                |
| Level 4                              | 5                |
| Level 5                              | 4                |
| Level 6                              | 3                |
| Level 7                              | 2                |
| Level 8                              | 1                |
| Non compliant                        | 0                |

3.2 The Armscor BBE Division reserves the right to require a bidder and/or its sub-contractor(s) to substantiate any claim at any stage in the bidding process to verify and confirm the B-BBEE status of the bidder and/or its sub-contractor(s).

**4. PRINCIPLES****4.1 Valid proof of B-BBEE status is either of the following:****4.1.1 A B-BBEE Sworn Affidavit fully completed and**

- 4.1.1.1** Deposed and signed in the presence of the Commissioner of Oaths
- 4.1.1.2** Does not contradict itself (% black ownership matches compliance level)
- 4.1.1.3** Commissioner of Oaths credentials and signature are reflected.

**4.1.2 A B-BBEE Certificate issued by either the CIPC or a SANAS Accredited Verification Agency****4.1.3 An unincorporated Joint Venture / Consortium must submit a Consolidated B-BBEE Certificate in the name of the Joint Venture / Consortium issued by a SANAS accredited Verification Agency.****4.1.4 B-BBEE status must be based on the latest financial year-end information, otherwise it is invalid and unacceptable.****4.2 Sub-Contracting****4.2.1 A bidder awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the bidder concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.****4.2.2 A bidder awarded a contract must obtain the approval of Armscor prior to any changes in the subcontracting arrangement.**

## B-BBEE DECLARATION

### 1. Confirmation of the Bidder's Turnover

|                                                       |    |  |                                                                              |
|-------------------------------------------------------|----|--|------------------------------------------------------------------------------|
| Name of the Bidder                                    |    |  |                                                                              |
| Registration Number                                   |    |  |                                                                              |
| Financial Year End                                    |    |  |                                                                              |
| Turnover<br><br>(As at the latest financial year end) | R. |  | Period Starting<br>(Day, Month, Year)<br>Period Ending<br>(Day, Month, Year) |

### 2. Confirmation of Subcontractors to be involved in the execution of the order:

| Bidder         | % Black Ownership | B-BBEE Status | % Value to be Contracted |
|----------------|-------------------|---------------|--------------------------|
| 1.             |                   |               |                          |
| Subcontractors | % Black Ownership | B-BBEE Status | % Value to be Contracted |
| 1.             |                   |               |                          |
| 2.             |                   |               |                          |
| 3.             |                   |               |                          |

\*Percentages of the bid value which will be subcontracted including main contractor must add up to 100%.

### 3. Confirmation of Suppliers to be involved in the execution of the order:

| Supplier's name | % Black Ownership | B-BBEE status | % Value to be Supplied |
|-----------------|-------------------|---------------|------------------------|
| 1.              |                   |               |                        |
| 2.              |                   |               |                        |
| 3.              |                   |               |                        |
| 4.              |                   |               |                        |
| 5.              |                   |               |                        |

I, the undersigned, am duly authorised to certify on behalf of the abovementioned entity that the information contained herein above is true and correct.

**AUTHORISED SIGNATURE** : ..... Date: .....

Name in block letters : .....

Capacity : .....

**It is a condition of bids that the successful bidder MUST be tax compliant, or that satisfactory arrangements have been made with the South African Revenue Service (SARS) to meet the bidder's tax obligations. FOREIGN COMPANIES ARE REQUIRED TO COMPLETE QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS OF ANNEXURE 1 TO KD 25**

1. In order to meet this requirement the bidder is required to access SARS e-filing and complete the SARS ONLINE "SARS tax compliance status" under tax status. Tax compliance requirements are also applicable to individuals who wish to submit bids.
2. SARS will then furnish the bidder with a Tax compliance PIN code that will be valid for a period of 1 (one) year from the date of approval.
3. The Tax compliance PIN letter shall be submitted with the bids, with an authorisation letter for Armscor to use the PIN code for verification of tax compliance status of the bidder.
4. In bids where Consortia /Joint Ventures / are involved, each party must submit a separate tax compliance PIN with authorisation letter.
5. In the event of subcontracting, tax compliance PIN letter and authorisation letter for the subcontractor must also be submitted with the bids.
6. Tax compliance is done via e-filing on the SARS website [www.sars.gov.za](http://www.sars.gov.za).

**NOTE: Armscor Suppliers/ Bidders and Subcontractors must remain tax compliant for the duration of their contracts.**

**BIDDER'S DISCLOSURE****1. PURPOSE OF THE FORM**

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

**2. Bidder's declaration**

- 2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest<sup>1</sup> in the enterprise, employed by the state? **YES/NO**

- 2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

| Full Name | Identity Number | Name of State institution |
|-----------|-----------------|---------------------------|
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |

- 2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

- 2.2.1 If so, furnish particulars:

.....

.....

- 2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

- 2.3.1 If so, furnish particulars:

.....

.....

<sup>1</sup> the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.

3 DECLARATION

I, the undersigned, (name)..... in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.  
I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature

.....  
Date

.....  
Position

.....  
Name of bidder

<sup>2</sup> Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.

**ARMAMENTS CORPORATION OF SOUTH AFRICA LIMITED  
(ARMSCOR)**

**INTELLECTUAL PROPERTY REQUIREMENTS**

**1 INTRODUCTION**

**1.1 What is Intellectual Property?**

Intellectual Property (or "IP") means the result or outcome of human creative effort as typically, but not exclusively, manifested and embodied in or taking the form of data items or documents.

IP typically includes design and mental activities, e.g.:

- Bills of Material (BOM's)
- Instructions,
- Reports,
- Specifications,
- Interface designs,
- Manufacturing processes,
- Material Specifications,
- Processes,
- Product designs,
- Re-engineering (maintenance/obsolescence),
- Software,
- Algorithms,
- Source Codes,
- System/integration designs,
- Test and Evaluation Methods, etc.

IP typically excludes Project Management activities and Hardware created/built according to a design or following a "recipe".

**1.2 How is IP manifested?**

IP is typically manifested and embodied in Data Items or Documents.

"Data items or Documents" means any recorded information, however recorded, including but not limited to books, manuscripts, reports, studies, algorithms, computer software, invention descriptions, registered patents, drawings, designs, plans, analyses, calculations, standards, data packs, process documents, instructions, specifications, mathematical or simulation models, compositions, photographs, video recordings, audio recordings, reports, holographic recordings, trademarks, graphical images, etc.

**NOTE:**

- The document itself is not IP
- The contents of a document represent IP
- The document becomes the tangible and recordable carrier of IP

**1.3 What is Background IP?**

For definition, refer to A-STD-0020 "Armcor General Conditions of Contract".

"Background IP" belongs to a contractor because he fully paid for the generation thereof or had bought it at his own cost, which may be used or serve as a basis from which to develop new Foreground IP.

#### 1.4 What is Historic IP?

"Historic IP" is existing IP which was created previously, and which may serve as a basis from which to develop new Foreground IP.

#### 1.5 What is Foreground IP?

For definition, refer to A-STD-0020 "Armcor General Conditions of Contract".

"Foreground IP" is new intellectual property that is created during the execution of the order.

#### 1.6 When is IP Shared or Jointly Owned or Co-owned?

For the definition, refer to A-STD-0020 "Armcor General Conditions of Contract".

"Shared" or "Jointly Owned" or "Co-owned" IP is IP which belongs to both the DOD and a contractor, because both contributed to the cost of generation thereof. Ownership is typically (and preferably) proportional to contribution.

Historic and Foreground IP may be either

1. Wholly owned by the DOD; or
2. Shared or Jointly Owned or Co-owned between DOD or the contractor

### 2. IP RECORDAL REQUIREMENTS

It is a requirement that prospective suppliers provide all information about applicable Intellectual Property (IP) to the bid. Armcor will record the information on their IP System that will generate a Statement of IP which will be appended to the order. The Statement of IP will serve as a contractual agreement between Armcor and the contractor in so far as IP related matters are concerned.

The recordal requirements are further described herein and broken down to an appropriate level, as follows:

#### 2.1 Background IP Utilised

For each Background IP Item that will be modified or utilised to generate Foreground IP in the execution of the quoted scope of work, provide the following details:

- Short IP description
- Original Supplier
- Cost of Establishment (If available)

#### 2.2 Historic IP Utilised

For each Historical IP item that will be modified or is required as a prerequisite in the execution of the quoted scope of work, provide the following details:

- Armcor IP Number (if available)
- Short IP description
- The next information is to be provided **per order**, on which Historic IP was established:
  - Order Number on which Historic IP was generated
  - Master record index (MRI) reference
  - Original Supplier
  - Cost of Establishment
  - Percentage Ownership (DOD)
  - Associated Milestone / Line item on the order under which the IP was established

### 2.3 Foreground IP to be generated

For each new Foreground IP item that will be generated in the execution of the quoted scope of work, provide the following details:

- IP number of Historic IP, if IP is enhanced (modified/improved/upgraded).
- Short IP description
- Master record index (MRI) reference with version and date
- Original Supplier
- Cost of Establishment
- Percentage Ownership (DOD)
- Associated Milestone / Line item on the order under which the IP will be established.

**Note 1:** The cost of establishment has always been included in item/milestone prices of order, and will continue to be so included, but will in future become visible by being shown separately in the Statement of IP appended to orders in order to properly manage such IP;

**Note 2:** To facilitate the easy and correct recording of IP, bidders and contractors will be required to utilise the specially constructed spread sheet from Armscor's web site.

After completion, the spreadsheet must be printed and attached to the bid, which will thus form an integral part of the bid.

## 3. SAFEGUARDING OF IP

### 3.1 IP Agreement

The IP agreement which will be embodied in the Statement of IP will be concluded with the main contractor in the name of the main contractor and will apply to the creating sub-contractor(s), who will remain the design authority for his particular IP.

### 3.2 Management and Safeguarding of IP

The main contractor will be responsible for the management of IP he generated during the execution of the order, as well as the management of IP generated by his sub-contractors. Upon completion of the project or order, the relevant IP will be formally transferred to the main contractor, who will then be responsible for the continued management of such IP.

The main contractor will be responsible for proper safeguarding and configuration control of IP, including off-site back-ups, as further described in various other Armscor documents, e.g. A-STD-0020 "Armscor General Conditions of Contract, K-STD-61 "Armscor Standard for Technical Contract Conditions", A-WI-014 "Armscor Security Instruction" and other documents that may be applicable.

### 3.3 IP Delivery

Notwithstanding 3.2 above, upon completion of the order, the main contractor will deliver all data items or documents relating to the IP generated during the execution of the order to Armscor ADAC Department.

### 3.4 IP Audits

Armscor is by law required to conduct an IP or intangible asset audit of all existing DOD IP every financial year. The main contractor will cooperate with Armscor's Intellectual Property Management Division and the Auditor General during the audit period and will make available all relevant information required to conduct the audit.

#### 4. COMPLETION OF THE IP INFORMATION BY MEANS OF THE ELECTRONIC FORM

##### 4.1 Background

The electronic form of the KD27 IP Information.xlsx is available as a Microsoft Excel workbook on the Armscor website ([www.armscor.co.za/Downloads/Download.asp](http://www.armscor.co.za/Downloads/Download.asp)) and must be used as template to provide the relevant IP information.

The workbook consists of the following three spreadsheets:

- "Background IP" provides a form to capture all background IP information
- "Historic IP" provides a form to capture all historic IP information.
- "Foreground IP" provides a form to capture all foreground IP information.

##### 4.2 Electronic Form Definitions

The column definitions as provided in the forms are as follows:

|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| IP Name                   | A short descriptive name to identify the IP item.                                                                           |
| IP Number                 | Armscor Number provided to Historic IP.                                                                                     |
| IP Description            | An abridged description of the IP Item.                                                                                     |
| Original Supplier         | The name of the supplier at which the IP item exists or was established.                                                    |
| Establishment Cost        | The amount paid by Armscor to establish the IP Item (including VAT).                                                        |
| MRI Reference             | The Master Record Index (MRI) or other document reference that uniquely describe the IP.                                    |
| DOD Shareholding          | The percentage of the IP that belongs to the DOD through Armscor                                                            |
| Associated Milestone/Item | The contractual milestone or item, which when completed, will define the point in time at which the IP will be established. |

**5. INTELLECTUAL PROPERTY QUESTIONNAIRE**

I/We, the undersigned, who warrant that I/we am/are duly authorised to do so on behalf of the firm certify that the following information is correct and complete in terms of Intellectual Property relevant to the offered scope of work. (Please circle the relevant answer)

Will Background IP be applicable during the execution of the quoted scope of work? Yes No

If yes, state particulars by completing the 'Background IP' worksheet. Indicate each IP item as a separate line.

Will Historic IP be utilised and/or is it required as a prerequisite to execute the quoted scope of work? Yes No

If yes, state particulars by completing the 'Historic IP' worksheet for each IP item. Indicate each IP item as a separate line;

Will any of these Historic IP items be enhanced during the execution of the quoted scope of work? Yes No

If yes, also complete the 'Foreground IP' worksheet for those IP items

Will new Foreground IP be generated during the execution of the quoted scope of work? Yes No

If yes, state particulars by completing the 'Foreground IP' worksheet for each IP item. Indicate each IP item as a separate line.

**This completed form, along with all additional information, as requested above where relevant, populated on the KD27 Spreadsheet, have to be attached to the bid.**

**WITNESSES:**

1 \_\_\_\_\_

2 \_\_\_\_\_

SIGNATURES OF BIDDER(S)

DATE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

**DEFENCE SECTOR BBBEE SWORN AFFIDAVIT – EXEMPTED MICRO ENTERPRISE**

I, the undersigned, \_\_\_\_\_

|                                |  |
|--------------------------------|--|
| <b>Full name &amp; Surname</b> |  |
| <b>Identity number</b>         |  |

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a Member / Director / Owner of the following enterprise and am duly authorised to act on its behalf:

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enterprise Name:</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Trading Name (If Applicable):</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Registration Number:</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Nature of Business:</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Definition of "Black People"</b>                    | <p>As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians –</p> <p>(a) who are citizens of the Republic of South Africa by birth or descent; or</p> <p>(b) who became citizens of the Republic of South Africa by naturalisation-</p> <p>i. before 27 April 1994; or</p> <p>ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"</p>                                                                                                                                                                      |
| <b>Definition of "Black Designated Groups"</b>         | <p>"Black Designated Groups means:</p> <p>(a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution;</p> <p>(b) Black people who are youth as defined in the National Youth Commission Act of 1996;</p> <p>(c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act;</p> <p>(d) Black people living in rural and under developed areas;</p> <p>(e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"</p> |

3. I hereby declare under Oath that:

- The Enterprise has \_\_\_\_\_% Black Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has \_\_\_\_\_% Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has \_\_\_\_\_% Black Designated Group Beneficiaries as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
  - Black Youth % = \_\_\_\_\_%
  - Black people living with disabilities % = \_\_\_\_\_%
  - Black Unemployed % = \_\_\_\_\_%
  - Black People living in Rural areas % = \_\_\_\_\_%
  - Black Military Veterans % = \_\_\_\_\_%
- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of \_\_\_\_\_, the annual Total Revenue was R5,000,000.00 (Five Million Rands) or less
- Please confirm on the table below the B-BBEE level contributor, **by ticking the applicable box.**

|                           |                                                         |  |
|---------------------------|---------------------------------------------------------|--|
| 100% Black Owned          | <b>Level One</b> (135% B-BBEE procurement recognition)  |  |
| At Least 51% Black Owned  | <b>Level Two</b> (125% B-BBEE procurement recognition)  |  |
| Less than 51% Black Owned | <b>Level Four</b> (100% B-BBEE procurement recognition) |  |

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.
5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

| Commissioner of Oaths     | Deponent  |
|---------------------------|-----------|
| Credentials and Signature |           |
|                           | Signature |
| Date                      | Date      |

## DEFENCE SECTOR BBBEE SWORN AFFIDAVIT – QUALIFYING SMALL ENTERPRISE

I, the undersigned,

|                                |  |
|--------------------------------|--|
| <b>Full name &amp; Surname</b> |  |
| <b>Identity number</b>         |  |

Hereby declare under oath as follows:

1. The contents of this statement are to the best of my knowledge a true reflection of the facts.
2. I am a Member / Director / Owner of the following enterprise and am duly authorised to act on its behalf:

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Enterprise Name:</b>                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Trading Name (If Applicable):</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Registration Number:</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Nature of Business:</b>                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Definition of "Black People"</b>                    | <p>As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians –</p> <p>(a) who are citizens of the Republic of South Africa by birth or descent; or</p> <p>(b) who became citizens of the Republic of South Africa by naturalisation-</p> <p>i. before 27 April 1994; or</p> <p>ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"</p>                                                                                                                                                                      |
| <b>Definition of "Black Designated Groups"</b>         | <p>"Black Designated Groups means:</p> <p>(a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution;</p> <p>(b) Black people who are youth as defined in the National Youth Commission Act of 1996;</p> <p>(c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act;</p> <p>(d) Black people living in rural and under developed areas;</p> <p>(e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"</p> |

3. I hereby declare under Oath that:

- The Enterprise has \_\_\_\_\_ % Black Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has \_\_\_\_\_ % Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- The Enterprise has \_\_\_\_\_ % Black Designated Group Beneficiaries as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,
- Black Designated Group Owned % Breakdown as per the definition stated above:
  - Black Youth % = \_\_\_\_\_ %
  - Black people living with disabilities % = \_\_\_\_\_ %
  - Black Unemployed % = \_\_\_\_\_ %
  - Black People living in Rural areas % = \_\_\_\_\_ %
  - Black Military Veterans % = \_\_\_\_\_ %
- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of \_\_\_\_\_, the annual Total Revenue was between R5,000,000.00 (Five Million Rands) to R50,000,000.00 (Fifty Million Rands)
- Please confirm on the table below the B-BBEE level contributor, by ticking the applicable box.

|                          |                                                        |  |
|--------------------------|--------------------------------------------------------|--|
| 100% Black Owned         | <b>Level One</b> (135% B-BBEE procurement recognition) |  |
| At Least 51% Black Owned | <b>Level Two</b> (125% B-BBEE procurement recognition) |  |

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the owners of the enterprise which I represent in this matter.

5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

| Commissioner of Oaths     | Deponent  |
|---------------------------|-----------|
| Credentials and Signature |           |
|                           | Signature |
| Date                      | Date      |

## ANNEXURE 1 TO KD25

|                                                                                                                                                                                                                     |                                                                                        |               |                                                                          |                                                          |                                                                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF ARMSCOR</b>                                                                                                                                                    |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| BID NUMBER:                                                                                                                                                                                                         |                                                                                        | CLOSING DATE: |                                                                          | CLOSING TIME:                                            |                                                                                       |
| DESCRIPTION                                                                                                                                                                                                         |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| <b>BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT :</b>                                                                                                                                         |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| ARMSCOR BID BOX VISITORS ENTRANCE (BLOCK 8),<br>370 NOSSOB STREET,                                                                                                                                                  |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| <b>BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO</b>                                                                                                                                                               |                                                                                        |               | <b>TECHNICAL ENQUIRIES MAY BE DIRECTED TO:</b>                           |                                                          |                                                                                       |
| CONTACT PERSON                                                                                                                                                                                                      | Mr. A.L Mmbengwa                                                                       |               | CONTACT PERSON                                                           | Mr. A.L Mmbengwa                                         |                                                                                       |
| TELEPHONE NUMBER                                                                                                                                                                                                    | 012 428 3610                                                                           |               | TELEPHONE NUMBER                                                         | 012 428 3610                                             |                                                                                       |
| FACSIMILE NUMBER                                                                                                                                                                                                    | N/A                                                                                    |               | FACSIMILE NUMBER                                                         | N/A                                                      |                                                                                       |
| E-MAIL ADDRESS                                                                                                                                                                                                      | scmbids@armscor.co.za                                                                  |               | E-MAIL ADDRESS                                                           | scmbids@armscor.co.za                                    |                                                                                       |
| <b>SUPPLIER INFORMATION</b>                                                                                                                                                                                         |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| NAME OF BIDDER                                                                                                                                                                                                      |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| POSTAL ADDRESS                                                                                                                                                                                                      |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| STREET ADDRESS                                                                                                                                                                                                      |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| TELEPHONE NUMBER                                                                                                                                                                                                    | CODE                                                                                   |               | NUMBER                                                                   |                                                          |                                                                                       |
| CELLPHONE NUMBER                                                                                                                                                                                                    |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| FACSIMILE NUMBER                                                                                                                                                                                                    | CODE                                                                                   |               | NUMBER                                                                   |                                                          |                                                                                       |
| E-MAIL ADDRESS                                                                                                                                                                                                      |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| VAT REGISTRATION NUMBER                                                                                                                                                                                             |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| SUPPLIER COMPLIANCE STATUS                                                                                                                                                                                          | TAX COMPLIANCE SYSTEM PIN:                                                             |               | OR                                                                       | CENTRAL SUPPLIER DATABASE No:                            | MAAA                                                                                  |
| B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE                                                                                                                                                                        | TICK APPLICABLE BOX]<br><br><input type="checkbox"/> Yes <input type="checkbox"/> No   |               | B-BBEE STATUS LEVEL SWORN AFFIDAVIT                                      |                                                          | [TICK APPLICABLE BOX]<br><br><input type="checkbox"/> Yes <input type="checkbox"/> No |
| <b>[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES &amp; QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]</b>                                               |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?                                                                                                                       | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>[IF YES ENCLOSE PROOF] |               | ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? |                                                          | <input type="checkbox"/> Yes <input type="checkbox"/> No                              |
| <b>QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS</b>                                                                                                                                                                   |                                                                                        |               |                                                                          |                                                          |                                                                                       |
| IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?                                                                                                                                                     |                                                                                        |               |                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |                                                                                       |
| DOES THE ENTITY HAVE A BRANCH IN THE RSA?                                                                                                                                                                           |                                                                                        |               |                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |                                                                                       |
| DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?                                                                                                                                                          |                                                                                        |               |                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |                                                                                       |
| DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?                                                                                                                                                               |                                                                                        |               |                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |                                                                                       |
| IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?                                                                                                                                                           |                                                                                        |               |                                                                          | <input type="checkbox"/> YES <input type="checkbox"/> NO |                                                                                       |
| IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW. |                                                                                        |               |                                                                          |                                                          |                                                                                       |

ANNEXURE 1 TO KD25

**1. BID SUBMISSION:**

- 1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
- 1.2. ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED-(NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.
- 1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.

**2. TAX COMPLIANCE REQUIREMENTS**

- 2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
- 2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE [WWW.SARS.GOV.ZA](http://WWW.SARS.GOV.ZA).
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
- 2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
- 2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

**NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.**

SIGNATURE OF BIDDER:

.....

CAPACITY UNDER WHICH THIS BID IS SIGNED:

(Proof of authority must be submitted e.g. company resolution)

.....

DATE:

.....



## **RFB NUMBER: ARMD/2023/15**

### **MAINTENANCE AND REPAIRS (REFIT) ON THE SAN MEKO A-200 VALOUR CLASS FRIGATE**

**Document nr. 7109-04-Tender documents-RFB**

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**SUMMARY: THIS DOCUMENT CONTAINS THE REQUIREMENT FOR MAINTENANCE AND  
REPAIRS (REFIT) ON THE SAN MEKO A-200 VALOUR CLASS FRIGATE**

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**DATE OF ISSUE : JULY 2023**

## AMENDMENT HISTORY

| DOCUMENT<br>ISSUE | DATE      | CHECKED<br>BY |
|-------------------|-----------|---------------|
| 01                | July 2023 | MR S. MANOTO  |
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| 01 (Master Copy) |  | Mr J Relihan | Armcor Dockyard Procurement Division |
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**DEFINITIONS**

The following non-standard terms have been used in this document, which are explained as follows:

|            |                                                                  |
|------------|------------------------------------------------------------------|
| Client     | ARMSCOR Dockyard                                                 |
| Contractor | The company contracted by ARMSCOR to supply as per Specification |
| RFB        | Request For Bid                                                  |

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## 1. INTRODUCTION

### 1.1 Instruction to Bidder

The Bidder must strictly adhere to the requirements stipulated in this Request for Bid (RFB). The onus rests on the Bidder to submit an unambiguous bid in order to enable Armscor to carry out a transparent and fair bid evaluation.

### 1.2 Scope

The scope of this RFB covers the requirement for the maintenance and repairs (refit) on the SAN Meko A-200 Valour class frigate of the South African Navy.

## 2. DOCUMENTS

Armscor documents are available on the Armscor Website <http://www.armscor.co.za>. The following documents are applicable to this RFB to the extent specified herein:

### 2.1 APPLICABLE DOCUMENTS

| No | Document No     | Title                                                                                                     |
|----|-----------------|-----------------------------------------------------------------------------------------------------------|
| 1  | A-PROC-9053     | Supplier Sourcing Procedure                                                                               |
| 2  | A-DOC-9046      | Terms of Reference for the Bid Specification Committee                                                    |
| 3  | A-DOC-9045      | Terms of Reference for the Bid Evaluation Committee                                                       |
| 4  | A-STD-0010      | Rules Applicable to prospective Contractors, Issue 2, 21 April 2014.                                      |
| 5  | A-STD-0020      | Armscor's General Conditions of Contract, Issue: 005, 22 June 2022.                                       |
| 6  | A-STD-61 Part 6 | Contract Conditions, Technical, Standard for Maintenance Programmes Applicable to clause 2 of A-STD-0020. |

### 2.2 REFERENCE DOCUMENTS

| No | Document No                     | Title                                                                        |
|----|---------------------------------|------------------------------------------------------------------------------|
| 1  | AA-GUID-1014                    | Critical Criteria Guideline                                                  |
| 2  | Act 5 of 2000                   | Preferential Procurement Policy Framework Act (PPPFA) No.5                   |
| 3  | Act 52 of 2003                  | Broad-Based Black Economic Empowerment Act, as amended                       |
| 4  | Defence Sector Code             | Codes of Good Practice on Broad based Black Economic Empowerment as Gazetted |
| 5  | PPPFA Regulations of 2017       | Preferential Procurement Regulations, 2017                                   |
| 6  | Armscor Practice Note 1 of 2017 | Preferential Procurement Regulations Practice Note 1 of 2017                 |

### **3. BID REQUIREMENTS**

#### **3.1 General**

The bid shall address each and every requirement of the RFB in a comprehensive and logical way. The following information and communication is to be observed:

##### **3.1.1 Armscor Registration**

In order to qualify as a potential supplier, prospective Bidders must be registered with Armscor as a supplier. Bidders that are not registered shall undertake to register before the bid submission closing date. Registration must take place prior to any contract placement.

##### **3.1.2 Communication**

3.1.2.1 All communication with Armscor shall be made to: The Procurement Division, E-mail address: Sandile Maseko Tel: +27 (021) 787 3831.

3.1.2.2 The Bidder shall appoint a single person for communication with Armscor. Communication shall not take place via an agent or representative other than a fulltime employee of the Bidder.

3.1.2.3 All enquiries regarding the RFB shall be directed to the Procurement Division and the RFB reference number shall be used in all correspondence.

3.1.2.4 No direct contact or communication with Armscor or the Department of Defence personnel shall be allowed, unless through formally arranged meetings or briefing sessions if and when required by the prospective Bidders.

##### **3.1.3 Submission of Bids**

**Partial Bids:** Note: Armscor shall only consider a bid for the total requirement. Partial bids shall not be considered.

##### **3.1.4 Validity of Bids**

The validity of the bid shall be one hundred and twenty (120) days after the tender closing date.

##### **3.1.5 Confidentiality of information**

The information contained in this RFB, as well as the response received shall be treated as "Company Confidential" between Armscor and the Bidder submitting the response. The receiver of this RFB may not disclose any information in connection with this RFB to the media or any third party, or allow information to be disclosed without prior written approval of Armscor. The potential Bidder shall ensure that any confidentiality arrangements between themselves and Armscor apply *mutatis mutandis* to partners and/or subcontractors or agents of the Bidder.

##### **3.1.6. Submission of Bid documentation**

The original bid and two (2) copies thereof together with any supporting documentation such as brochures, handbooks and drawings shall be submitted to Armscor. The original must be marked as the original and each copy must be marked with a copy number. The original shall take precedence over any copy in the event of discrepancies.

### 3.2 Minimum requirements

The following is the minimum prescribed requirements of the bid:

#### 3.2.1 Covering letter

The covering letter shall give a brief introduction to the bid and briefly summarize the implementation methodology, time-scale and the total cost. The letter shall also state any other aspects the Bidder deems necessary and important. The Bidder shall use the company's official letterhead when providing the covering letter.

#### 3.2.2 Forms to be completed

The following forms shall be completed by the Bidder and submitted as part of the bid:

- Commercial Bid: all Armscor KD forms as per Armscor Procurement Secretariat requirements.

#### 3.2.3

The Bidder shall **demonstrate**, as part of their bid and with the necessary **evidence**, that they have the necessary resources and appropriate expertise to offer the service should they be awarded the contract.

**Note:** The ARMSCOR Dockyard retains the right to perform an audit to confirm the integrity of the content of the bids received.

### 3.3 Registration of E-portal bids

In the case where potential bidders have downloaded the bid documents or obtained it from a party that downloaded it from the E-portal or from any other tender notification service provider, they are requested to inform the following person

Mr. Sandile Maseko, E-mail address: SandileM@armscordy.co.za Tel: +27 (021) 787 3831.

By doing so, they will ensure that they are captured on the list of potential bidders and receive tender related correspondence such as bidders briefing minutes etc. Failure to register as such may invalidate the bidders bid as their bid may exclude updated information issued by means of Bidders briefing minutes or updates.

### 3.4 Bidders conference

A **COMPULSORY** bidder's conference shall be held at Armscor Dockyard, Simon's Town on 19 July 2023 at 11 am. Potential bidders are required to RSVP with Mr. Sandile Maseko at telephone number (021) 787 3831 / E-mail address: SandileM@armscordy.co.za no later than 18 July 2023

## MANDATORY CRITERIA

### 3.5 TAX CLEARANCE CERTIFICATE REQUIREMENTS

**It is a condition of bid that the successful bidder must be tax compliant, or that satisfactory arrangements have been made with the South African Revenue Service (SARS) to meet the bidder's tax obligations. (Not applicable to foreign companies).**

3.5.1 In order to meet this requirement the bidder is required to access SARS e-filing and complete the SARS ONLINE "SARS tax compliance status" under tax status. Tax compliance requirements are also applicable to individuals who wish to submit bids.

3.5.2. SARS will then furnish the bidder with a Tax compliance PIN code that will be valid for a period of 1 (one) year from the date of approval.

3.5.3. The Tax compliance PIN letter shall be submitted with the bid, with an authorisation letter for Armscor to use the PIN code for verification of tax compliance status of the supplier.

3.5.4. In bids where Consortia /Joint Ventures / are involved, each party must submit a separate tax compliance PIN with authorisation letter.

3.5.4. In the event of subcontracting, tax compliance PIN letter and authorisation letter for the subcontractor must also be submitted with the bid.

3.5.6. Tax compliance is done via e-filing on the SARS website [www.sars.gov.za](http://www.sars.gov.za).

3.5.7 Original valid tax clearance certificates issued before 18 April 2016 are still valid until the expiry date or on replacement with SARS tax compliance PIN.

**NOTE: Armscor Suppliers/ Bidders and Subcontractors must remain tax compliant for the duration of their contracts.**

3.6 The Bidder shall complete, sign and submit the DIP/NIP Confirmation by the Bidder (CBB) as attached to this RFB document.

## **4. BID EVALUATION**

### **4.1 Bids received**

4.1.1 Bids received will be evaluated in accordance with an approved value model that was developed in accordance with A-PROC-9053, and such value model consists of critical criteria and preference points system (PPS) that are reflected in this RFB. Failure by a Bidder to comply with a single critical criterion will result in immediate elimination from the adjudication process.

4.1.2 Each received bid will be evaluated in 2-stages as shown in **Table 1** below. A bid that does not comply with the requirements of Stage 1 will be eliminated from the evaluation process. Failure by the Bidder to comply with any single critical criterion will result in immediate elimination from the evaluation process.

**Table 1: Evaluation Stages**

|                |                                |
|----------------|--------------------------------|
| <b>STAGE 1</b> | <b>CRITICAL CRITERIA</b>       |
| <b>STAGE 2</b> | <b>PREFERENCE POINT SYSTEM</b> |

### **4.2 AWARDING OF BIDS**

## RESTRICTED

Each bid that complies with all the critical criteria that have been set for the RFB shall be further evaluated in term of the 90 / 10 Preference Point System (PPS). A maximum of 90 points shall be awarded for Price and a maximum of 10 points shall be awarded for Specific Goals.

4.2.1 For this RFB, the applicable **Specific Goal will be BBEE Level**. Points scored for Price and Specific Goal shall be added together to the maximum of 100 points and rounded off to the nearest two decimal points.

4.2.2 The bid shall be awarded to the bidder which scores the highest points in terms of 90 / 10 PPS.

4.2.3 The Bidder shall submit with the Bid documents the BEE certificate (BBEE certificate issued by a SANAS accredited verification agency), CIPC BBEE certificate and or completed BBEE Sworn affidavit as a proof of compliance to claim preference points. If the Bidder is an unincorporated Joint Venture (JV) or Consortium, the Bidder shall submit with the Bid, a consolidated proof of B-BBEE status.

| (Specific Goals) B-BBEE status level | Points Allocated |
|--------------------------------------|------------------|
| Level 1                              | 10               |
| Level 2                              | 9                |
| Level 3                              | 6                |
| Level 4                              | 5                |
| Level 5                              | 4                |
| Level 6                              | 3                |
| Level 7                              | 2                |
| Level 8                              | 1                |
| Non-compliant                        | 0                |

The Armscor BBE Division reserves the right to require a bidder and/or its sub-contractor(s) to substantiate any claim at any stage in the bidding process to verify and confirm the B-BBEE status of the bidder and/or its sub-contractor(s).

The awarding of bids will be in terms Preference Point System (PPS). All bids conforming to the stated critical criteria will be evaluated in terms of the following PPS:

The applicable PPS points are:

**Price:** 90 points  
**BBEE:** 10 points

## 4.4 SPECIFIC GOALS

Mandatory Black Equity Ownership of at least 35% is not applicable; however specific goals will be used to allocate preference points. The Specific Goal applicable is **BBBEE – Level**.

#### Evidence Required:

The Bidder shall submit with the Bid documents the BEE certificate (BBBEE certificate issued by a SANAS accredited verification agency), CIPC BBBEE certificate and or completed BBBEE Sworn affidavit as a proof of compliance to claim preference points. If the Bidder is an unincorporated Joint Venture (JV) or Consortium, the Bidder shall submit with the Bid, a consolidated proof of B-BBEE status.

#### 4.5 Critical Criteria

Bids received will be evaluated against the critical criteria shown in Table 2 below. Should the bidder(s) fail to comply with any of the critical criteria specified, the bid **will be eliminated from the selection process** resulting in it not being eligible for the awarding of an order.

The Bid evaluation process is shown in **Figure 2** below.

**Table 2 – Critical Criteria**

| No | Critical Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | <p><b><u>Mandatory bidders conference</u></b></p> <p>The bidder shall attend the mandatory bidder's conference at the naval base in Simon's Town. The date and venue of the conference is obtained in paragraph 2 of this RFB.</p> <p><b>Note:</b> If the date of the bidder's conference is changed, bidders who have indicated their intention to attend will be notified of the change via Supply Chain Management.</p> <p><b>Proof of compliance</b></p> <p>The bidder shall complete and sign the attendance register at the bidder's conference as confirmation of attendance of conference.</p> |
| 2  | <p><b><u>Technical Experience</u></b></p> <p>The bidder shall have completed a REFIT;</p> <p>a) for a Frigate class vessel;</p> <p>or</p> <p>b) a vessel of Minimum of similar in dimension (121m x16m) , minimum gross tonnage (3600 tons).</p> <p><b>Proof of compliance</b></p> <p>The bidder shall submit documentary proof issued by the client confirming completion of a Frigate class vessel REFIT.</p> <p>or</p> <p>The bidder shall submit a Class Surveyor reports of a completed REFIT.</p>                                                                                                |
| 3  | <p><b><u>Access to Facilities</u></b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## RESTRICTED

|   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p>The bidder shall have access to dry-dock and workshop(s) to conduct a REFIT for a Frigate class vessel in the Republic of South Africa, which will be able to supply power of 440V 60Hz and not less than 300A.</p> <p><b>Proof of compliance</b></p> <p>(a) The bidder shall submit proof that they shall be granted access to use the dry-dock issued by Transnet National Ports Authority;</p> <p>and</p> <p>(b) The bidder shall submit prove ownership or lease/occupancy agreement of the workshops that will be used for the REFIT, which shall include physical address of the workshop;</p> <p>and</p> <p>(c) The Bidder's authorised official shall complete and sign Bid Conditions Acceptance Form provided on page 7 of KD17. By signing the KD 17 page 7 of the RFB, the Bidder declares that he/she will be able to provide power of 440V 60Hz and not less than 300A.</p> <p><b>Note: Armscor reserves the right to conduct due diligence that the dry-dock and workshop(s) is suitable to conduct a REFIT.</b></p> |
| 4 | <p><b><u>Statement of Work:</u></b></p> <p>The Bidder shall have the capability and capacity to conduct all tasks specified in the Statement of Work (Appendix A of RFB). Any alternative means of compliance shall be highlighted therein.</p> <p><b>Proof of compliance</b></p> <p>The Bidder shall complete the Compliance Matrix to the Statement of Work (Appendix B of RFB) to indicate their ability to conduct the tasks specified in the Statement of Work. The Bidder's authorised official shall complete and sign Bid Conditions Acceptance Form provided on page 7 of KD17. By signing the KD 17 page 7 of the RFB, the Bidder declares that he/she will be able to conduct the tasks specified in the Statement of Work.</p>                                                                                                                                                                                                                                                                                             |

## SPECIFIC GOALS

Mandatory Black Equity Ownership of at least 35% is not applicable; however specific goals will be used to allocate preference points. The Specific Goal applicable is **BBBEE – Level.**

### Evidence Required:

the bidder shall submit a valid proof of B-BBEE status (B-BBEE certificate issued by a SANAS accredited verification agency or CIPC B-BBEE certificate or B-BBEE affidavit duly sworn and commissioned). If the bidder is a Joint Venture (JV) or Consortium, the bidder shall submit with the bid, a consolidated proof of B-BBEE status..

## 4.7 **SPECIAL REQUIREMENT: SUB-CONTRACTING**

## RESTRICTED

Bidder must sub-contract a minimum of 30% of the value of the contract to any of the following entities which are at least 51% black owned:

- 1.1.1 EMEs or QSEs owned by Black people
- 1.1.2 EMEs or QSEs owned by military veterans
- 1.1.3 EMEs or QSEs owned by female(s)
- 1.1.4 EMEs or QSEs owned by youth
- 1.1.5 EMEs or QSEs owned by people living with disabilities

### **Evidence Required:**

The Bidder should submit with the Bid, documents such as the BEE Certificate (BBBEE certificate issued by SANAS accredited verification agency), CIPC BBBEE certificate and or a completed BBBEE Sworn Affidavit as a proof of compliance for all sub-contractors.

## **4.8 Materials/ Equipment and Consumable Stores**

Where equipment, parts and material required to execute the scope of the work is not supplied as CFE, the contractor shall supply all such equipment, parts and material. All equipment, parts and material provided in this manner by the contractor shall meet the original manufacturer's specifications or shall be approved in writing by the client. The client reserves the right to refuse any part not meeting these requirements.

The contractor shall be responsible for the supply of all consumable items such as nuts, bolts, studs, washers, split pins, jointing compounds, gasket materials, greases, etc., the quality of which shall be appropriate for the intended purpose, meet the OEM's laid down specification, and be approved by the client.

The contractor shall provide all cleaning materials and paints, all of which shall meet the approval of the client.

## **4.9 SPECIAL CONDITIONS**

1. During the execution phase of the order, when Ad-Hoc work is identified, requiring the procurement of parts and materials, such will be executed by means of the Work-Authorization process. At this stage, any Designated Sector requirements, in terms of Local Content, will be identified and will need to be adhered to by the Contractor.

## BID EVALUATION PROCESS DIAGRAM

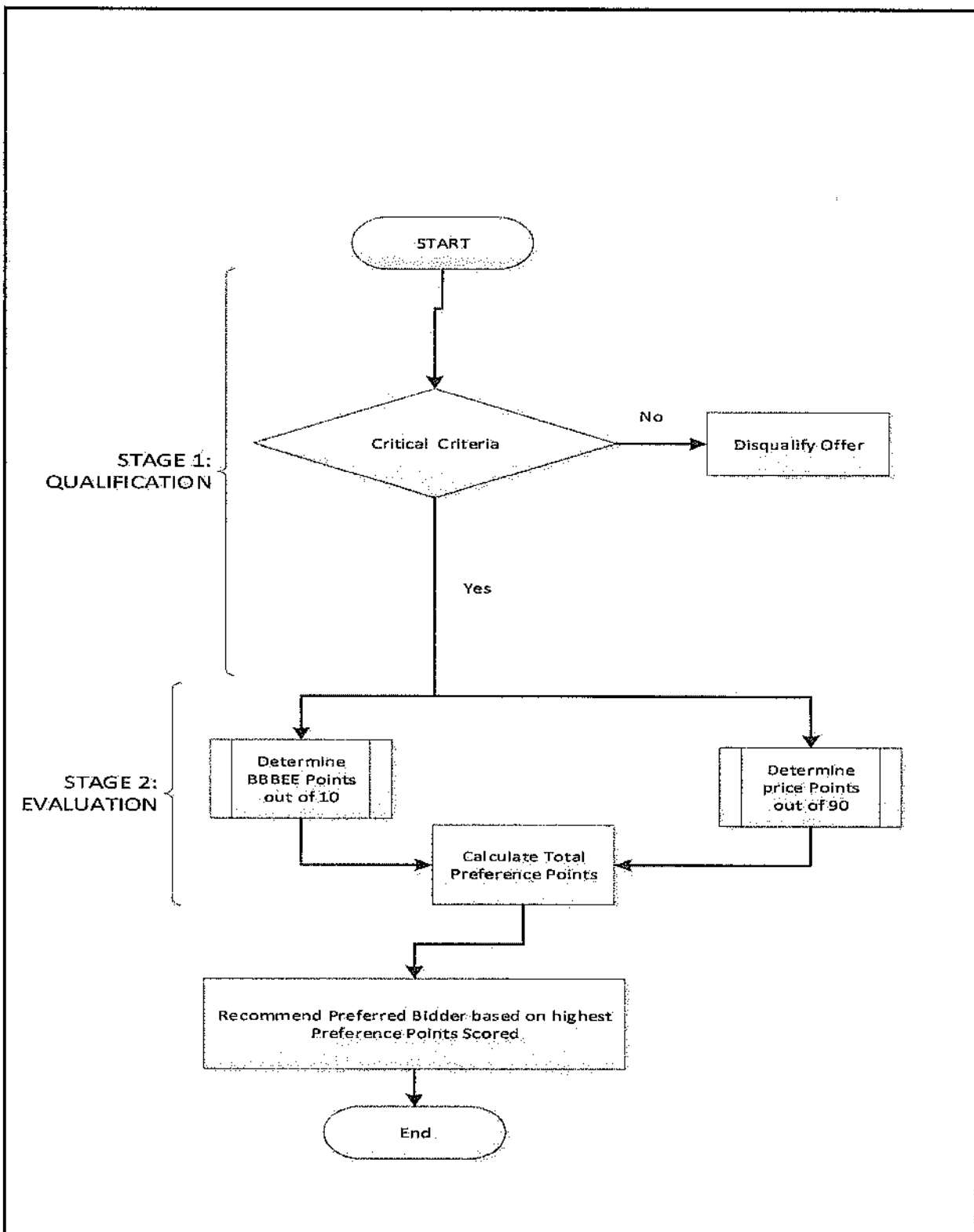


Figure 2: Bid Evaluation Process

## **Section 2: Safety, Health and Environmental (SHE) Legislation**

### **1. Compliance**

- 1.1 The contractor shall comply with all statutory requirements and in particular with the provisions of the Occupational Health and Safety Act, Act No 85 of 1993, as amended from time to time, where applicable, as well as with the under-mentioned conditions:
- 1.2 The contractor shall identify, document and comply with all Safety, Health and Environmental ("SHE") laws and regulations, approvals, licences and permits which are applicable to the work ("SHE Laws").
- 1.3 The contractor must keep accurate, current and legible evidence to prove compliance with the SHE conditions of this contract ("SHE conditions"). The contractor must at the request of the client produce documentary and other evidence to prove compliance with these SHE conditions.
- 1.4 The contractor will, immediately upon receipt of any notice (including approvals) from any government or statutory authority or body that relates to any SHE aspect of the work, provide the client with a copy of such notice.

### **2. Remediation and Termination for Breach of SHE Conditions E**

- 2.1 The contractor agrees that in the event that the contractor or any of the contractor's personnel breach any SHE condition, the client will be notified immediately. Any breach or breaches will be remedied promptly and, as agreed with the client, steps taken to avoid recurrence. Nothing in this clause (2) will limit any other right or remedy available to the client.
- 2.2 The client and the contractor agree that the SHE conditions are of the utmost importance. Any significant or repeated breach or violation thereof will be deemed to be a material breach ("Material Breach") of this contract.

- 2.3 Should the client observe an act or become aware of an omission which in its opinion violates any of the SHE conditions (including but not limited to any unsafe act), or becomes aware of a planned act, or any other act that in its opinion might violate any of the SHE conditions, the client may direct the contractor or the contractor's personnel to cease, or not to proceed with such act and the contractor will, at the contractor's own cost and risk, promptly modify the contractor's and/or the contractor's personnel's method of work so that the work is carried out in accordance with these SHE conditions.
- 2.4 Where such an act or omission may in the opinion of the client cause fatality or serious injury, the client may direct the contractor to immediately cease all work and not recommence any work until an improvement plan has been submitted to and approved by the client and the method of work has been modified and the contractor's personnel retrained to remove the risk of fatality or serious injury.

### **3 SHE Indemnity**

- 3.1 The contractor will indemnify and keep indemnified the client, its affiliates and their directors, officers, employees and agents from and against any loss or damage of any kind whatsoever, arising from:
- a. Any breach of these SHE conditions by the contractor or the contractor's personnel;
  - b. Any personal injury, illness or death to any person or damage to any property or any other loss or damage caused by or contributed to by:
  - c. The performance by the contractor or the contractor's personnel of the contractor's obligations under this contract and/or
  - d. The entry onto, or the activities undertaken on, under or around the site and other premises of the client and/or ARMSCOR by the contractor or the contractor's personnel;
  - e. Any negligence or misconduct by the contractor or the contractor's personnel arising out of or in connection with this contract; or

- 3.2 Any penalty imposed for breach of an applicable law in connection with the performance of the work by the contractor or the contractor's personnel, except to the extent that any liability, loss or damage is directly caused by the client's wilful misconduct.

**4. Audit, Inspection & Reporting**

- 4.1 The client has the right, at any time, without giving prior notice to the contractor, to conduct audits or inspections of the work to determine the contractor's compliance or otherwise with these SHE Conditions. The contractor is expected to cooperate fully with the client during such audits or inspections, but the client's rights under this section will not relieve the contractor of his own obligations to conduct audits and reviews of his own SHE performance or expose the client to any liabilities which may arise from the contractor's failure to satisfy the SHE conditions.
- 4.2 The contractor shall render reasonable assistance to the client and give the client access to the contractor's records, the contractor's personnel, the site and the work to enable the client to conduct a SHE audit or inspection.
- 4.3 Where such audits or inspections reveal non-compliances with these SHE conditions and the plan and/or deficiencies in the plan, the contractor shall, at the contractor's own cost, rectify such non-compliances and/or deficiencies as soon as practicable and advise the client of all actions taken to remedy non-compliances and/or deficiencies.
- 4.4 The contractor shall have a system for regularly auditing own SHE performance and the contractor's personnel's performance, which must be submitted to the client's SHE manager for approval.
- 4.5 The contractor shall maintain a SHE audit action status register, which, upon the request of the client, must be made available for inspection. The contractor must share lessons learned (positive and negative) with the client and the contractor's personnel.
- 4.6 The client may conduct follow-up audits to ensure that the contractor has rectified non-compliances with the SHE conditions and the plan and/or deficiencies in the plan.

**5. SHE Training**

- 5.1 Before commencement of any work, the contractor shall, at the contractor's own expense, ensure that the contractor's personnel have been given the necessary SHE training.
- 5.2 The contractor shall ensure that the contractor's personnel attend refresher courses to maintain familiarity with current procedures. In addition, the contractor will, if requested by the client, provide the client with details of on-going training programmes and all revisions to such programmes during the term. The contractor will provide evidence of completion of all training and competency assessments on request of the client.
- 5.3 The contractor acknowledges that the cost of providing all training and instruction required to perform the work under this contract shall be borne by the contractor.

**6. Personal Protective Equipment (PPE)**

- 6.1 The contractor shall provide PPE for his employees, including the necessary training for the utilisation of the PPE.
- 6.2 The contractor shall provide the following PPE to his employees:
- Overalls
  - Safety boots
  - Safety helmets
  - Ear protection
  - Eye/ear protection
  - Foul weather gear
  - Safety Harnesses

- 6.3 The contractor shall provide his personnel with all required special PPE e.g. for hazardous environments, when required, in accordance with the Occupational Health and Safety Act, Act 85 of 1993 and the client's safety regulations.
- 6.4 Contractor's personnel without the proper PPE shall not be allowed on site.
- 6.5 Where necessary, the client shall provide training to the contractor's personnel, in the use of the special PPE.

## **Requirement Statement**

### **1. Introduction**

This section provides the necessary information on the Statement of Work (SOW) for this contract. The successful Bidder will be required to use the Build Group Structure according to the SOW, in Annexure A, as a basis for the Contract Work required.

### **2. Purpose**

The Purpose of this Request For Bid (RFB) is to engage the industry for maintenance and repairs (refit) on the SAN Meko A-200 valour class frigate of the SA Navy, so that the vessels can be operationally ready for deployment.

### **3. Background**

The South African Navy (SAN) has a requirement for the maintenance and repairs (refit) on the SAN Meko A-200 valour class frigate of the SA Navy, so that the vessels can be operationally ready for deployment.

### **4. STATEMENT OF WORK**

#### **4.1 Requirements**

The frigate must be refitted at the Contractor's facility. The requirement is for the main contractor to complete all tasks as listed in **Annexure A, Statement of Work.**

#### **4.2 Work Authorisation**

- 4.2.1 The available budget shall be applied to the Scope of Work to derive maximum benefit for the SA Navy. The mechanism to be used for this will be the WA process.
- 4.2.2 Work execution shall proceed on Works Authorisation (WA) basis. A formal and logical work methodology shall be employed to accurately quantify costs of a WA.
- 4.2.3 An approved WA will be treated as a fixed cost deliverable.
- 4.2.4 A budget plan shall be prepared to track and monitor performance against cash flow.

## **5 Conditions of Acceptance**

5.1 Work on all systems will be presented for a Harbour Acceptance Test (HAT). Work on a system will be considered completed at the point when the HAT has been signed off as completed.

5.2 Inspection/ Release/ Acceptance certificate (Form AK-FORM-0047) issued, signed and stamped by a representative of Armscor Dockyard Quality Department.

5.3 Payment will only be made once an Inspection/ Release/ Acceptance certificate (Form AK-FORM-0047) is signed and stamped by the Armscor QA representative.

5.4 Place of release: The Contractor's premises.

5.5 Time of release: After delivery.

5.6 A representative of ARMSCOR Dockyard/SA Navy will monitor the acceptance of the products and documentation at the Armscor Dockyard's premises.

5.7 The Contractor shall Issue a Certificate of Conformance to certify that the product adhere to their requirement with respect to SA Navy system functionality.

## **6 Quality Assurance**

ARMSCOR Technical Conditions of Contract; A-STD-61 (Part-6).

Armscor Dockyard is ISO 9001: 2015 certified, the contractor shall be obliged to follow the processes of ISO 9001 in addition to their own internal quality processes.

## **7 Import/Export, Customs and Excise Duties:**

The delivery basis shall be FOB. The Contractor shall at its own expense, be responsible for obtaining an export license and/or any other approvals from the German authorities that may be required for the export to South Africa. Armscor will arrange for the necessary End User Certificate as well as the clearing of the goods and delivery thereof to the final delivery destination in South Africa. Customs duties, insurance and ad valorem costs will be covered by Armscor.

## **8 Customer Furnished Equipment/Customer Furnished Services & Customer Furnished Items**

The bidder is to include all CFE/CFI and CFS that will be required to assist them in completion of the tasks.

## **9 Supplementary Information**

9.1 A breakdown of costs for flights, subsistence allowances and accommodation shall be included in the bid where applicable.

9.2 Costs to establish a site office and any other requirements considered essential during the technical and support services to be included in the bid where applicable.

9.3 The contractor shall attend monthly progress meetings to report on progress and milestones against plan. The progress meetings will be chaired by the Dockyard Project Manager and minutes will be recorded.

**APPENDIX A**

The Bidder shall indicate in the Compliance Matrix below, any deviation from the provided Statement of Work.

**Compliance Matrix**

| Job Card No | Job Card Description | Partial<br>Comply | Do not<br>Comply | Comments |
|-------------|----------------------|-------------------|------------------|----------|
|             |                      |                   |                  |          |
|             |                      |                   |                  |          |
|             |                      |                   |                  |          |

# Annexure A - Statement of Work

**SOW – STATEMENT OF WORK**

| APPENDIX A, PART 1 - STATEMENT OF WORK (SOW) |                                           |            |                   |                                                                                                                                                                                                                           |  |
|----------------------------------------------|-------------------------------------------|------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| SYSTEM                                       | REMARKS                                   | SMT CODE   | JOB CARD NO:      | JOB DESCRIPTION                                                                                                                                                                                                           |  |
| 1                                            |                                           |            |                   | Active jammer deck to be needle scaled, scarify, sandblasted, repair and repainted due to excessive inclement weather.                                                                                                    |  |
| 2                                            |                                           |            | ISA-7765-00006009 | Remove shelving from the following compartments, repair and replace defective shelving. Also descale the following storage room decks and repaint on completion with required paint spec: As listed below Deck store 1,3, |  |
| 4                                            |                                           |            |                   | Flameable store and paint store, naval store 2, naval store 2, forward spare parts store, dry prov 2, BC Store, waste handling room and waste storage room lobby, gym                                                     |  |
| 5                                            |                                           |            | ISA-7765-00006011 | All internal doors and stairwell doors and water tight hatch seals are to be replaced. Upperdeck doors to be included                                                                                                     |  |
| 6                                            |                                           |            | ISA-7765-00006014 | Remove anchor chain, inspect links for elongation and replace all seizing wire. Clean, paint and oil                                                                                                                      |  |
| 7                                            |                                           |            | ISA-7765-00006074 | Weapons Electrical Room 5 deck to be stripped and re-painted.                                                                                                                                                             |  |
| 8                                            | Hul, Structure<br>Geeneral<br>Preparation |            | ISA-7765-00006077 | Weapons Electrical Room 2 deck plates to be scaled and painted.                                                                                                                                                           |  |
| 9                                            |                                           |            | ISA-7765-00006088 | Monkey deck to be scarified, sandblasted painted and made non slip.                                                                                                                                                       |  |
| 10                                           |                                           | HS111/VAL- | ISA-7765-         | Perform Two Annual Cleaning of the Hull Fittings and Structures -                                                                                                                                                         |  |

|    |     |                         |                |                   |                                                                                                                                           |  |
|----|-----|-------------------------|----------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|
|    |     |                         | 1102           | 00005986          | Underwater Hull                                                                                                                           |  |
| 11 |     |                         | HS111/VAL-3404 | ISA-7765-00001948 | Perform Two Annual Painting of the Hull Fittings and Structures - Underwater Hull                                                         |  |
| 12 |     |                         |                |                   | Perform Two Annual Painting of the Hull Fittings and Structures - Sea Chest Main Suction Valves for Main Machinery                        |  |
| 13 |     |                         | HS181/VAL-0602 | ISA-7765-00001945 | Perform Two Annual Inspection of the Hull Fittings and Structures - Cable Locker and Anchor & Cable . clean and paint                     |  |
| 14 |     |                         | HS112/VAL-0001 | ISA-7765-00001942 | Perform Two Annual Removal and Replacement of the Hull Fittings and Structures - Sea Chest Main Suction Valves for Main Machinery         |  |
| 15 |     |                         | HS112/VAL-0002 | ISA-7765-00001943 | Perform Two Annual Removal and Replacement of the Hull Fittings and Structures - Sea Chest Main Suction Valves for Main Machinery - crane |  |
| 17 |     |                         | HS112/VAL-0101 | ISA-7765-00001973 | Perform Two Annual Removal of the Hull Fittings and Structures - Underwater Valves & Fittings                                             |  |
| 19 |     |                         | HS112/VAL-0603 | ISA-7765-00001844 | Perform Two Annual Inspection of the Hull Fittings and Structures - Sea Inlet and Discharge Valves (Docking Task)                         |  |
| 21 |     |                         | HS112/VAL-0605 | ISA-7765-00001972 | Perform Two Annual Inspection of the Hull Fittings and Structures - Underwater Ships Structure                                            |  |
| 23 |     |                         | HS231/VAL-0601 | ISA-7765-00001815 | Perform Two Annual Survey of the Hull Fittings and Structures - Galley and Associated Structure                                           |  |
| 25 |     |                         | HS434/VAL-0601 | ISA-7765-00002776 | Perform Sixteen Monthly Survey of the Watertight Compartments                                                                             |  |
| 26 |     |                         | HS491/VAL-0601 | ISA-7765-00001828 | Perform Two Annual Survey of the Hull Structure, General (Docking Task)                                                                   |  |
| 27 | 100 | Hull Structure, General | HS525/VAL-0601 | ISA-7765-00001829 | Perform Two Annual Survey of the Hull Fittings and Structures - Radar Cross Section Nets replace nets                                     |  |

|    |                              |                   |                   |                                                                                                                               |
|----|------------------------------|-------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 28 |                              |                   |                   | Perform Two Annual Removal and Refurbish of the Hull Fittings and Structures - Sea Gratings                                   |
| 30 |                              |                   |                   | Perform Two Annual Inspection of the Hull Fittings and Structures - Underwater Area - Paint (Docking Task)                    |
| 32 | HS111/VAL-0604               | ISA-7765-00001968 |                   | Perform Two Annual Inspection of the Hull Fittings and Structures - Zinc Anodes. Replace all Anodes                           |
| 33 |                              |                   |                   | Perform Two Annual Cleaning of the Hull Fittings and Structures - Underwater Hull (Docking Task)                              |
| 35 | HS111/VAL-3001               | ISA-7765-00001969 |                   | Perform Two Annual Welding / Burning of the Hull Fittings and Structures - Zinc Anodes                                        |
| 36 | HS111/VAL-3402               | ISA-7765-00001966 |                   | Perform Two Annual Painting of the Hull Fittings and Structures - Underwater Area. Grating area                               |
| 37 | HS112/VAL-0003               | ISA-7765-00001971 |                   | Perform Two Annual Removal and Replacement of the Hull Fittings and Structures - Weed Clearing Pipes                          |
| 39 | HS112/VAL-0601               | ISA-7765-00001842 |                   | Perform Two Annual Inspection of the Hull Fittings and Structures - Underwater Ships Structure (Docking Task) Repair findings |
| 41 |                              |                   |                   | Perform Two Annual Non Destructive Testing of the Hull Fittings and Structures -                                              |
| 42 |                              |                   |                   | Underwater Valves & Fittings - Sea Tubes and Studs                                                                            |
| 43 | 1102<br>Hull Structure Above | HS112/VAL-3401    | ISA-7765-00001976 | Perform Two Annual Painting of the Hull Fittings and Structures according to ISO standards - Underwater Valves & fittings     |
| 44 | Underwater Body              | HS181/VAL-3401    | ISA-7765-00001946 | Perform Two Annual Painting of the Hull Fittings and Structures - Cable Locker                                                |

|    |         |                |                   |  |                                                                                                                                                                                     |
|----|---------|----------------|-------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 45 |         |                |                   |  | Perform Two Annual Maintenance of the Hull Fittings and Structures - Weather Deck Spaces and Platforms CranRequirements                                                             |
| 46 |         | HS441/VAL-0601 | ISA-7765-00001825 |  | Perform Two Annual Survey of the Hull Fittings and Structures - Weather Deck Spaces and Platforms                                                                                   |
| 47 |         | HS668/3-0601   | ISA-7765-00002927 |  | Perform Annual Survey of the Harpoon Grid. Grid to be belzona treated below                                                                                                         |
| 48 |         |                |                   |  | Perform Two Annual Removal of the Hull Fittings and Structures - Foreign Material from Underwater Valves & Fittings (Docking Task)                                                  |
| 49 |         | HS154/VAL-0601 | ISA-7765-00001808 |  | Perform Two Annual Survey of the Furnishings for Living Spaces - Accommodation Structures. Repair as per survey report                                                              |
| 50 | 120     |                |                   |  | Perform Two Annual Survey of the Hull Fittings and Structures - Ammunition & Provision Lift, Food & Spare Part Lift and 76 mm Ammunition Lift Trunks                                |
| 51 |         | HS416/VAL-0602 | ISA-7765-00001967 |  | Perform Two Annual Inspection of the Hull Fittings and Structures and repair and set to work - Ammunition & Provision Lift, Food & Spare Part Lift and 76 mm Ammunition Lift Trunks |
| 52 |         | HS391/VAL-0601 | ISA-7765-00001820 |  | Perform Two Annual Survey of the Hull Fittings and Structures - Various Tanks (Diesel, Lube Oil & Avcat Tanks) Gas Free and Inspection                                              |
| 53 | 1231000 | HS391/VAL-0602 | ISA-7765-00001950 |  | Perform Two Annual Inspection of the Hull Fittings and Structures - Various Tanks (Diesel, Lube Oil & Avcat Tanks) - After Cleaning. Paint on completion                            |
| 54 |         | HS397/VAL-     | ISA-7765-         |  | Perform Annual Opening and the Cleaning of the Hull Fittings and                                                                                                                    |

|  |    |    |    |    |    |    |    |    |    |    |
|--|----|----|----|----|----|----|----|----|----|----|
|  | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 |
|--|----|----|----|----|----|----|----|----|----|----|

|                |                   |                                                                                                                                            |
|----------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 0001           | 00004684          | Structures - Sewage Tanks and grey water tanks Gas Free and Inspection                                                                     |
| HS397/VAL-0002 | ISA-7765-00001952 | Perform Two Annual Maintenance of the Hull Fittings and Structures - Sewage Drain Tanks - Gas Free and Inspection                          |
| HS397/VAL-0601 | ISA-7765-00001821 | Perform Two Annual Survey of the Hull Fittings and Structures - Sewage Drain Tanks                                                         |
| HS411/VAL-0001 | ISA-7765-00001955 | Perform Two Annual Inspection of the Hull Fittings and Structures - Sewage Drain Tanks - After Cleaning. Paint on completion               |
| HS411/VAL-0002 | ISA-7765-00001954 | Perform Two Annual Maintenance of the Hull Fittings and Structures - Fresh Water Tanks - Gas Free and Inspection.                          |
| HS411/VAL-0602 | ISA-7765-00001823 | Perform Two Annual Maintenance of the Hull Fittings and Structures - Watertight Trimming and Water Ballast Tanks - Gas Free and Inspection |
|                |                   | Perform Two Annual Survey of the Hull Fittings and Structures - Fresh Water Tanks                                                          |
|                |                   | Perform Two Annual Inspection of the Hull Fittings and Structures - Fresh Water Tanks - After Cleaning and paint ** IMMEDIATELY            |
| HS411/VAL-1101 | ISA-7765-00001822 | Perform Two Annual Cleaning of the Hull Fittings and Structures - Watertight Trimming and Water Ballast Tanks                              |
| HS411/VAL-3401 | ISA-7765-00001953 | Perform Two Annual Painting of the Hull Fittings and Structures - Watertight Trimming and Water Ballast Tanks                              |
| HS432/VAL-0601 | ISA-7765-00001824 | Perform Two Annual Survey of the Hull Fittings and Structures - Watertight Trimming and Water Ballast Tanks (Docking Task)                 |

|    |         |                      |                |                   |                                                                                                                                                 |
|----|---------|----------------------|----------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| 65 |         |                      | HS432/VAL-0602 | ISA-7765-00001958 | Perform Two Annual Inspection of the Hull Fittings and Structures - Watertight Trimming and Water Ballast Tanks - After Cleaning REPAIR DEFECTS |
| 66 | 150     | Deck House Structure | HS593/VAL-0901 | ISA-7765-00001831 | Perform Two Annually Test on the Hull Fittings and Structures - Gas Citadel And Compartment - Pressure and Vacuum Test                          |
| 67 | 1671041 | Hatches, Deck 1      | HS446/VAL-1502 | ISA-7765-00005006 | Perform , Lubrication of the Flight Deck and Forecastle Hatches - Oil Change                                                                    |
| 68 |         |                      | HS446/VAL-0001 | ISA-7765-00002784 | Perform One Thousand Five Hundred Hours Inspection and Oil Sample of the Shell Flaps - Flight Deck and Forecastle Hatches                       |
| 69 |         |                      | HS446/VAL-0003 | ISA-7765-00002805 | Perform Four Monthly Inspection of the Anchor Flap - Operating Hydraulic Ram Flexible Hoses                                                     |
| 70 |         |                      | HS446/VAL-0004 | ISA-7765-00002806 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Rams                                                              |
| 71 |         |                      | HS446/VAL-0005 | ISA-7765-00002807 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses                                                |
| 72 |         |                      | HS446/VAL-0006 | ISA-7765-00002817 | Perform Six Monthly Inspection and Test on the Anchor Flap - Pilot Control Valve                                                                |
| 73 |         |                      | HS446/VAL-0007 | ISA-7765-00002818 | Perform Annual Test on the Anchor Flap - Pilot Control Valve                                                                                    |

|    |                             |                                        |                |                   |                                                                                                |
|----|-----------------------------|----------------------------------------|----------------|-------------------|------------------------------------------------------------------------------------------------|
| 74 | 1671041B105(1671041B005 and | Hydraulic AGGR for Flight Deck Hatches | HS446/VAL-0008 | ISA-7765-00002840 | Perform Eight Monthly Inspection and Test on the Anchor Flap - Locking Pin Pilot Control Valve |
|----|-----------------------------|----------------------------------------|----------------|-------------------|------------------------------------------------------------------------------------------------|

|    |              |                |                   |                                                                                                   |
|----|--------------|----------------|-------------------|---------------------------------------------------------------------------------------------------|
| 75 | 1671041B006) | HS446/VAL-0009 | ISA-7765-00002841 | Perform Annual Test and Adjustment of the Anchor Flap - Throttle Valve                            |
| 76 |              | HS446/VAL-0010 | ISA-7765-00002842 | Perform Annual Test and Inspection of the Anchor Flap - Operating Hydraulic Ram                   |
| 77 |              | HS446/VAL-0606 | ISA-7765-00002862 | Perform Six Monthly Inspection of the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses      |
| 78 |              | HS446/VAL-0701 | ISA-7765-00002863 | Perform Annual Overhaul of the Anchor Flap - Locking Pin Pilot Control Valve                      |
| 79 |              | HS446/VAL-0702 | ISA-7765-00002864 | Perform Annual Overhaul of the Anchor Flap - Line Rupture Valve                                   |
| 80 |              | HS446/VAL-0703 | ISA-7765-00002865 | Perform Annual Overhaul of the Anchor Flap - Anchor Flap Locking Pin Check Valve                  |
| 81 |              | HS446/VAL-2001 | ISA-7765-00002893 | Perform Annual Calibration of the Anchor Flap - Hydraulic Pressure Gauge                          |
| 82 |              | HS446/VAL-2002 | ISA-7765-00002894 | Perform Annual Calibration of the Anchor Flap - Adjustable Relief Valve                           |
| 83 |              | HS446/VAL-2601 | ISA-7765-00002895 | Perform One Thousand Five Hundred Hourly (Two Annual) Oil Analysis of the Shell Flaps - Pump Unit |
| 84 |              | HS446/VAL-3601 | ISA-7765-00002896 | Perform Eight Monthly Test on the Anchor Flap - Pump Suction Filter                               |

|    |         |                                                      |                |                   |                                                                                                                           |
|----|---------|------------------------------------------------------|----------------|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| 85 | 1671051 | Hatches, Deck 01                                     | HS446/VAL-1502 | ISA-7765-00005005 | Perform , Lubrication of the Flight Deck and Forecastle Hatches - Oil Change                                              |
| 86 |         |                                                      | HS446/VAL-0001 | ISA-7765-00002785 | Perform One Thousand Five Hundred Hours Inspection and Oil Sample of the Shell Flaps - Flight Deck and Forecastle Hatches |
| 87 |         |                                                      | HS446/VAL-0003 | ISA-7765-00002808 | Perform Four Monthly Inspection of the Anchor Flap - Operating Hydraulic Ram Flexible Hoses                               |
| 88 |         |                                                      | HS446/VAL-0004 | ISA-7765-00002809 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Rams                                        |
| 89 |         |                                                      | HS446/VAL-0005 | ISA-7765-00002810 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses                          |
| 90 |         |                                                      | HS446/VAL-0006 | ISA-7765-00002819 | Perform Six Monthly Inspection and Test on the Anchor Flap - Pilot Control Valve                                          |
| 91 |         |                                                      | HS446/VAL-0007 | ISA-7765-00002820 | Perform Annual Test on the Anchor Flap - Pilot Control Valve                                                              |
| 92 |         |                                                      | HS446/VAL-0008 | ISA-7765-00002843 | Perform Eight Monthly Inspection and Test on the Anchor Flap - Locking Pin Pilot Control Valve                            |
| 93 |         |                                                      | HS446/VAL-0009 | ISA-7765-00002844 | Perform Annual Test and Adjustment of the Anchor Flap - Throttle Valve                                                    |
| 94 |         | Hydraulic AGGR for Forecastle Hatch 1A (1671051B002) | HS446/VAL-0010 | ISA-7765-00002845 | Perform Annual Test and Inspection of the Anchor Flap - Operating Hydraulic Ram                                           |

|     |      |                |                   |                                                                                                                                     |                  |
|-----|------|----------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|------------------|
| 95  |      | HS446/VAL-0606 | ISA-7765-00002866 | Perform Six Monthly Inspection of the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses                                        |                  |
| 96  |      | HS446/VAL-0701 | ISA-7765-00002867 | Perform Annual Overhaul of the Anchor Flap - Locking Pin Pilot Control Valve                                                        |                  |
| 97  |      | HS446/VAL-0702 | ISA-7765-00002868 | Perform Annual Overhaul of the Anchor Flap - Line Rupture Valve                                                                     |                  |
| 98  |      | HS446/VAL-0703 | ISA-7765-00002869 | Perform Annual Overhaul of the Anchor Flap - Anchor Flap Locking Pin Check Valve                                                    |                  |
| 99  |      | HS446/VAL-2001 | ISA-7765-00002897 | Perform Annual Calibration of the Anchor Flap - Hydraulic Pressure Gauge                                                            |                  |
| 100 |      | HS446/VAL-2002 | ISA-7765-00002898 | Perform Annual Calibration of the Anchor Flap - Adjustable Relief Valve                                                             |                  |
| 101 |      | HS446/VAL-2601 | ISA-7765-00002899 | Perform One Thousand Five Hundred Hourly (Two Annual) Oil Analysis of the Shell Flaps - Pump Unit                                   |                  |
| 102 |      | HS446/VAL-3601 | ISA-7765-00002900 | Perform Eight Monthly Test on the Anchor Flap - Pump Suction Filter                                                                 |                  |
| 103 |      | HS629/VAL-0603 | ISA-7765-00002910 | Perform Eight Monthly Inspection of the Watertight Doors and Hatches - Triple Interlock Mechanism of Watertight Doors Shock Limiter |                  |
| 104 |      | HS629/VAL-1801 | ISA-7765-00005020 | Perform , Adjustment of the Watertight Doors and Hatches - Pneumatic System Pressure Regulators                                     |                  |
| 105 | 1672 | HS629/VAL-1802 | ISA-7765-00005021 | Perform , Adjustment of the Watertight Doors and Hatches - Throttle Non-return Valve                                                | Watertight Doors |
| 106 |      | HS629/VAL-4601 | ISA-7765-00005022 | Perform , Replacement of the Watertight Doors and Hatches - Gastight Door Static Seal                                               |                  |
| 107 |      | HS629/VAL-4602 | ISA-7765-00005023 | Perform , Replacement of the Watertight Doors and Hatches - PAS                                                                     |                  |

|     |                         |                |                   |                                                                                                                           |
|-----|-------------------------|----------------|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| 108 |                         | HS629/VAL-4603 | ISA-7765-00005024 | Perform , Replacement of the Watertight Doors and Hatches - Splash water Seal - Doors and Hatches                         |
| 109 |                         | HS629/VAL-4604 | ISA-7765-00005025 | Perform , Replacement of the Watertight Doors and Hatches - Clevis Bolt on WT Doors with Triple Interlock                 |
| 110 |                         | HS629/VAL-4605 | ISA-7765-00005026 | Perform , Replacement of the Watertight Doors and Hatches - Brass Wear Plates                                             |
| 111 | 1676001 Hydraulic Flaps | HS446/VAL-2602 | ISA-7765-00001827 | Perform Six Annual Removal and Refill of the Shell Flaps - Hydraulic Oil                                                  |
| 112 |                         | HS446/VAL-2603 | ISA-7765-00005007 | Perform , Topping Up of the Shell Flaps (E-Motors for Hydraulic AGGR) - Hydraulic Power Unit Oil Reservoir                |
| 113 |                         | HS446/VAL-0001 | ISA-7765-00002783 | Perform One Thousand Five Hundred Hours Inspection and Oil Sample of the Shell Flaps - Flight Deck and Forecastle Hatches |
| 114 |                         | HS446/VAL-0003 | ISA-7765-00002802 | Perform Four Monthly Inspection of the Anchor Flap - Operating Hydraulic Ram Flexible Hoses                               |
| 115 |                         | HS446/VAL-0004 | ISA-7765-00002803 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Rams                                        |

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| 116 | 1676001A100 | HS446/VAL-0005 | ISA-7765-00002804 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses |
| 117 |             | HS446/VAL-0006 | ISA-7765-00002815 | Perform Six Monthly Inspection and Test on the Anchor Flap - Pilot Control Valve                 |
| 118 |             | HS446/VAL-0007 | ISA-7765-00002816 | Perform Annual Test on the Anchor Flap - Pilot Control Valve                                     |
| 119 |             | HS446/VAL-0008 | ISA-7765-00002837 | Perform Eight Monthly Inspection and Test on the Anchor Flap - Locking Pin Pilot Control Valve   |

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| 120 | HS446/VAL-0009 | ISA-7765-00002838 | Perform Annual Test and Adjustment of the Anchor Flap - Throttle Valve                                                    |
| 121 | HS446/VAL-0010 | ISA-7765-00002839 | Perform Annual Test and Inspection of the Anchor Flap - Operating Hydraulic Ram                                           |
| 122 |                |                   | Perform Six Monthly Inspection of the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses                              |
| 123 | HS446/VAL-0701 | ISA-7765-00002859 | Perform Annual Overhaul of the Anchor Flap - Locking Pin Pilot Control Valve                                              |
| 124 | HS446/VAL-0702 | ISA-7765-00002860 | Perform Annual Overhaul of the Anchor Flap - Line Rupture Valve                                                           |
| 125 | HS446/VAL-0703 | ISA-7765-00002861 | Perform Annual Overhaul of the Anchor Flap - Anchor Flap Locking Pin Check Valve                                          |
| 126 | HS446/VAL-2001 | ISA-7765-00002889 | Perform Annual Calibration of the Anchor Flap - Hydraulic Pressure Gauge                                                  |
| 127 | HS446/VAL-2002 | ISA-7765-00002890 | Perform Annual Calibration of the Anchor Flap - Adjustable Relief Valve                                                   |
| 128 |                |                   | Perform One Thousand Five Hundred Hourly (Two Annual) Oil Analysis of the Shell Flaps - Pump Unit                         |
| 129 | HS446/VAL-3601 | ISA-7765-00002892 | Perform Eight Monthly Test on the Anchor Flap - Pump Suction Filter                                                       |
| 130 |                |                   | Perform One Thousand Five Hundred Hours Inspection and Oil Sample of the Shell Flaps - Flight Deck and Forecastle Hatches |

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| HS446/VAL-0003 | ISA-7765-00002790 | Perform Four Monthly Inspection of the Anchor Flap - Operating Hydraulic Ram Flexible Hoses      |
| HS446/VAL-0004 | ISA-7765-00002791 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Rams               |
| HS446/VAL-0006 | ISA-7765-00002793 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses |
| HS446/VAL-0007 | ISA-7765-00002812 | Perform Six Monthly Inspection and Test on the Anchor Flap - Pilot Control Valve                 |
|                |                   | Perform Annual Test on the Anchor Flap - Pilot Control Valve                                     |
|                |                   | Perform Eight Monthly Inspection and Test on the Anchor Flap - Locking Pin Pilot Control Valve   |

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| HS446/VAL-0009 | ISA-7765-00002826 | Perform Annual Test and Adjustment of the Anchor Flap - Throttle Valve                       |
| HS446/VAL-0010 | ISA-7765-00002827 | Perform Annual Test and Inspection of the Anchor Flap - Operating Hydraulic Ram              |
|                |                   | Perform Six Monthly Inspection of the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses |
| HS446/VAL-0701 | ISA-7765-00002849 | Perform Annual Overhaul of the Anchor Flap - Locking Pin Pilot Control Valve                 |

Hydraulic AGGR  
(Bow and Anchor  
Flap)

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| HS446/VAL-0702 | ISA-7765-00002850 | Perform Annual Overhaul of the Anchor Flap - Line Rupture Valve                                                           |
| HS446/VAL-0703 | ISA-7765-00002851 | Perform Annual Overhaul of the Anchor Flap - Anchor Flap Locking Pin Check Valve                                          |
| HS446/VAL-2001 | ISA-7765-00002877 | Perform Annual Calibration of the Anchor Flap - Hydraulic Pressure Gauge                                                  |
| HS446/VAL-2002 | ISA-7765-00002878 | Perform Annual Calibration of the Anchor Flap - Adjustable Relief Valve                                                   |
|                |                   | Perform One Thousand Five Hundred Hourly (Two Annual) Oil Analysis of the Shell Flaps - Pump Unit                         |
| HS446/VAL-3601 | ISA-7765-00002880 | Perform Eight Monthly Test on the Anchor Flap - Pump Suction Filter                                                       |
|                |                   | Perform One Thousand Five Hundred Hours Inspection and Oil Sample of the Shell Flaps - Flight Deck and Forecastle Hatches |
| HS446/VAL-0003 | ISA-7765-00002798 | Perform Four Monthly Inspection of the Anchor Flap - Operating Hydraulic Ram Flexible Hoses                               |
| HS446/VAL-0004 | ISA-7765-00002799 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Rams                                        |

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|                |                   |  | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses |
| HS446/VAL-0006 | ISA-7765-00002801 |  | Perform Six Monthly Inspection and Test on the Anchor Flap - Pilot Control Valve                 |
| HS446/VAL-0007 | ISA-7765-00002814 |  | Perform Annual Test on the Anchor Flap - Pilot Control Valve                                     |
|                |                   |  | Perform Eight Monthly Inspection and Test on the Anchor Flap - Locking Pin Pilot Control valve   |
| HS446/VAL-0009 | ISA-7765-00002834 |  | Perform Annual Test and Adjustment of the Anchor Flap - Throttle Valve                           |
| HS446/VAL-0010 | ISA-7765-00002835 |  | Perform Annual Test and Inspection of the Anchor Flap - Operating Hydraulic Ram                  |
|                |                   |  | Perform Six Monthly Inspection of the Anchor Flap - Locking Pin Hydraulic Ram Flexible horse     |
| HS446/VAL-0701 | ISA-7765-00002855 |  | Perform Annual Overhaul of the Anchor Flap - Locking Pin Pilot Control Valve                     |

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| HS446/VAL-0702 | ISA-7765-00002856 |  | Perform Annual Overhaul of the Anchor Flap - Line Rupture Valve      |
| HS446/VAL-     | ISA-7765-         |  | Perform Annual Overhaul of the Anchor Flap - Anchor Flap Locking Pin |

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| 0703           | 00002857          | Check Valve                                                                                                               |
| HS446/VAL-2001 | ISA-7765-00002885 | Perform Annual Calibration of the Anchor Flap - Hydraulic Pressure Gauge                                                  |
| HS446/VAL-2002 | ISA-7765-00002886 | Perform Annual Calibration of the Anchor Flap - Adjustable Relief Valve                                                   |
|                |                   | Perform One Thousand Five Hundred Hourly (Two Annual) Oil Analysis of the Shell Flaps - Pump Unit                         |
| HS446/VAL-3601 | ISA-7765-00002888 | Perform Eight Monthly Test on the Anchor Flap - Pump Suction Filter                                                       |
|                |                   | Perform One Thousand Five Hundred Hours Inspection and Oil Sample of the Shell Flaps - Flight Deck and Forecastle Hatches |
| HS446/VAL-0003 | ISA-7765-00002786 | Perform Four Monthly Inspection of the Anchor Flap - Operating Hydraulic Ram Flexible Hoses                               |
| HS446/VAL-0004 | ISA-7765-00002787 | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Rams                                        |
|                |                   | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses                          |
| HS446/VAL-0006 | ISA-7765-00002789 | Perform Six Monthly Inspection and Test on the Anchor Flap - Pilot Control Valve                                          |
| HS446/VAL-0007 | ISA-7765-00002811 | Perform Annual Test on the Anchor Flap - Pilot Control Valve                                                              |
|                |                   | Perform Eight Monthly Inspection and Test on the Anchor Flap - Locking Pin Pilot Control Valve                            |
| HS446/VAL-0009 | ISA-7765-00002822 | Perform Annual Test and Adjustment of the Anchor Flap - Throttle Valve                                                    |
| HS446/VAL-0010 | ISA-7765-00002823 | Perform Annual Test and Inspection of the Anchor Flap - Operating Hydraulic Ram                                           |

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| 175 |                |                   |  | Perform Six Monthly Inspection of the Anchor Flap - Locking Pin                                                           |
| 176 |                |                   |  | Hydraulic Ram Flexible Hoses                                                                                              |
| 177 | HS446/VAL-0701 | ISA-7765-00002846 |  | Perform Annual Overhaul of the Anchor Flap - Locking Pin Pilot Control Valve                                              |
| 178 | HS446/VAL-0702 | ISA-7765-00002847 |  | Perform Annual Overhaul of the Anchor Flap - Line Rupture Valve                                                           |
| 179 | HS446/VAL-0703 | ISA-7765-00002848 |  | Perform Annual Overhaul of the Anchor Flap - Anchor Flap Locking Pin Check Valve                                          |
| 180 | HS446/VAL-2001 | ISA-7765-00002873 |  | Perform Annual Calibration of the Anchor Flap - Hydraulic Pressure Gauge                                                  |
| 181 | HS446/VAL-2002 | ISA-7765-00002874 |  | Perform Annual Calibration of the Anchor Flap - Adjustable Relief Valve                                                   |
| 182 |                |                   |  | Perform One Thousand Five Hundred Hourly (Two Annual) Oil Analysis of the Shell Flaps - Pump Unit                         |
| 183 | HS446/VAL-3601 | ISA-7765-00002876 |  | Perform Eight Monthly Test on the Anchor Flap - Pump Suction Filter                                                       |
| 184 |                |                   |  | Perform One Thousand Five Hundred Hours Inspection and Oil Sample of the Shell Flaps - Flight Deck and Forecastle Hatches |
| 185 | HS446/VAL-0003 | ISA-7765-00002794 |  | Perform Four Monthly Inspection of the Anchor Flap - Operating Hydraulic Ram Flexible Hoses                               |
| 186 | HS446/VAL-0004 | ISA-7765-00002795 |  | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Rams                                        |
| 187 | HS446/VAL-0006 | ISA-7765-00002797 |  | Perform Annual Inspection and Test on the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses                          |
| 188 | HS446/VAL-     | ISA-7765-         |  | Perform Six Monthly Inspection and Test on the Anchor Flap - Pilot Control Valve                                          |
|     |                |                   |  | Perform Annual Test on the Anchor Flap - Pilot Control Valve                                                              |

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| 189 | 0007           | 00002813          | Perform Eight Monthly Inspection and Test on the Anchor Flap - Locking Pin Pilot Control Valve       |
| 190 | HS446/VAL-0009 | ISA-7765-00002830 | Perform Annual Test and Adjustment of the Anchor Flap - Throttle Valve                               |
| 191 | HS446/VAL-0010 | ISA-7765-00002831 | Perform Annual Test and Inspection of the Anchor Flap - Operating Hydraulic Ram                      |
| 192 |                |                   | Perform Six Monthly Inspection of the Anchor Flap - Locking Pin Hydraulic Ram Flexible Hoses         |
| 193 | HS446/VAL-0701 | ISA-7765-00002852 | Perform Annual Overhaul of the Anchor Flap - Locking Pin Pilot Control Valve                         |
| 194 | HS446/VAL-0702 | ISA-7765-00002853 | Perform Annual Overhaul of the Anchor Flap - Line Rupture Valve                                      |
| 195 | HS446/VAL-0703 | ISA-7765-00002854 | Perform Annual Overhaul of the Anchor Flap - Anchor Flap Locking Pin Check Valve                     |
| 196 | HS446/VAL-2001 | ISA-7765-00002881 | Perform Annual Calibration of the Anchor Flap - Hydraulic Pressure Gauge                             |
| 197 | HS446/VAL-2002 | ISA-7765-00002882 | Perform Annual Calibration of the Anchor Flap - Adjustable Relief Valve                              |
| 198 |                |                   | Perform One Thousand Five Hundred Hourly (Two Annual) Oil Analysis of the Shell Flaps - Pump Unit    |
| 199 | HS446/VAL-3601 | ISA-7765-00002884 | Perform Eight Monthly Test on the Anchor Flap - Pump Suction Filter                                  |
| 200 | HS446/VAL-0002 | ISA-7765-00002778 | Perform Annual Performance Inspection of the Anchor Flap                                             |
| 201 |                |                   | Perform Four Monthly Lubrication of the Anchor Flap                                                  |
| 202 |                |                   | Perform Annual Maintenance on the FSP 250mm Dual Purpose Visual Signaling Projectors - Extension Arm |

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| 203 |             |                           | HS435/VAL-1502 | ISA-7765-00003767 | Perform Three Monthly Maintenance on the FSP 250mm Dual Purpose Visual Signaling Projectors - Extension Arm |
| 204 | 5100100A001 | Vacuum Pump Condensate    | HS831/VAL-4601 | ISA-7765-00004688 | Replacement of the Vacuum System, Vacuumator Jets X2                                                        |
| 205 | 5831        | Boat Handling and Stowage | HS561/VAL-0001 | ISA-7765-00004677 | Perform Three Monthly Maintenance on the Boat Boom - Wire Rope and Cordage                                  |
| 206 |             |                           | HS561/VAL-0002 | ISA-7765-00004678 | Perform Three Monthly Maintenance on the Boat Boom - Pulley and Beam                                        |
| 207 | 5831061     | Boat Boom Port, Fr 68     | HS561/VAL-0003 | ISA-7765-00005008 | Perform Two Annual Maintenance on the Boat Boom                                                             |
| 208 |             |                           | HS561/VAL-0004 | ISA-7765-00003592 | Perform Six Annual Maintenance of the Boat Boom                                                             |
| 209 |             |                           | HS561/VAL-0005 | ISA-7765-00003594 | Perform Six Annual Maintenance on the Boat Boom - Steel Wire Rope and Cordage                               |
| 210 | 5831062     | Boat Boom Stbd, Fr 68     | HS561/VAL-0003 | ISA-7765-00005009 | Perform Two Annual Maintenance on the Boat Boom                                                             |
| 211 |             |                           | HS561/VAL-0004 | ISA-7765-00003593 | Perform Six Annual Maintenance of the Boat Boom                                                             |
| 212 |             |                           | HS561/VAL-0005 | ISA-7765-00003595 | Perform Six Annual Maintenance on the Boat Boom - Steel Wire Rope and Cordage                               |
| 213 |             |                           | HS640/VAL-0201 | ISA-7765-00002911 | Perform Six Monthly Installation of the Jettison Fuel Rack - Canister                                       |
| 214 | 5833        | Small Boats               |                |                   | Perform Annual Inspection of the Jettison Fuel Rack - Hydraulic                                             |

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|                |                   | System and Hydraulic Cylinder - Leaks                                                                                   |
| HS640/VAL-0901 | ISA-7765-00002913 | Perform Six Monthly Test of the Jettison Fuel Rack - Operation                                                          |
| HS640/VAL-1501 | ISA-7765-00002914 | Perform Six Monthly Lubrication of the Jettison Fuel Rack - Moment Arms Friction Pads                                   |
| HS640/VAL-1801 | ISA-7765-00002915 | Perform Six Monthly Adjustment of the Jettison Fuel Rack, Canister - Lashing                                            |
|                |                   | Perform Two Annual Inspection of the Hanger Door - Motor Brake - Air Gap at the Electrical Drive AND REPAIR ALL DEFECTS |
| HS597/VAL-4606 | ISA-7765-00005010 | Perform , Replacement of the Hangar Door - Sealing for Door Blades                                                      |
|                |                   | Perform , Replacement of the Hangar Door - Sealing for Door Frame and Sliding Foil                                      |
| HS597/VAL-4609 | ISA-7765-00001964 | Perform Six Annual Replacement of the Hangar Door - Drive Rope                                                          |
|                |                   | Perform Six Monthly Lubrication of the Hanger Door - Winch Drum - Bearings and Plastic Guiding                          |

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| 1676112B001   | Anchor Flap       | HS446/VAL-     |
| 1501          | ISA-7765-00003768 | 1676112B001    |
|               | Anchor Flap       | HS446/VAL-1501 |
| 7765-00003768 |                   | ISA-           |

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| 223 |                                         | HS597/VAL-4601 | ISA-7765-00004160 | Perform Six Annual Replacement of the Hangar Door - Transmission Oil of the Motor/Gearbox Unit                                          |
| 224 |                                         | HS597/VAL-4602 | ISA-7765-00004163 | Perform Six Annual Replacement of the Hangar Door - Drive Rope                                                                          |
| 225 |                                         |                |                   | Perform Six Monthly Lubrication of the Hangar Door - Winch Drum - Bearings and Plastic Guiding                                          |
| 226 |                                         | HS597/VAL-4601 | ISA-7765-00004159 | Perform Six Annual Replacement of the Hangar Door - Transmission Oil of the Motor/Gearbox Unit                                          |
| 227 |                                         | HS597/VAL-4602 | ISA-7765-00004162 | Perform Six Annual Replacement of the Hangar Door - Drive Rope                                                                          |
| 228 |                                         |                |                   | Perform Six Monthly Lubrication of the Hangar Door - Winch Drum - Bearings and Plastic Guiding                                          |
| 229 |                                         | HS597/VAL-4601 | ISA-7765-00004158 | Perform Six Annual Replacement of the Hangar Door - Transmission Oil of the Motor/Gearbox Unit                                          |
| 230 |                                         | HS597/VAL-4602 | ISA-7765-00004161 | Perform Six Annual Replacement of the Hangar Door - Drive Rope                                                                          |
| 231 |                                         |                |                   | Perform Two Annual Replacement of the Grey Water Tanks - Rubber Membranes                                                               |
| 232 | 5931<br>Black and Grey<br>Water Systems | HS831/VAL-4603 | ISA-7765-00001838 | Perform Eight Monthly Cleaning of the Vacuum System, Vacuumator Jets - NR Valve and Related Hoses for Vacuum Supply to Valve Controller |
| 233 | 6122                                    | HS645/VAL-0601 | ISA-7765-00001836 | Perform Two Annual Survey of the Hull Fittings and Structures - Flight Deck Nets                                                        |
| 234 |                                         | HS645/VAL-0602 | ISA-7765-00001965 | Perform Two Annual Inspection of the Hull Fittings and Structures - Flight Deck Nets                                                    |
| 235 | 6235004A001                             | HS631/VAL-0002 | ISA-7765-00002917 | Perform Three Annual Replacement of the Accommodation Ladder - Winch - Gear Oil                                                         |

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| 236 |             | HS631/VAL-0003                          | ISA-7765-00002918 | Perform Five Annual Replacement of the Accommodation Ladder - Wire Rope                                                             |
| 237 |             |                                         |                   | Perform Eight Monthly Inspection of the Accommodation Ladder - Bolts and Screw Connections for the Whole System                     |
| 238 |             |                                         |                   | Perform Preservative Maintenance on the Accommodation Ladder - More Than Six Months out of Commission                               |
| 239 |             | HS631/VAL-4401                          | ISA-7765-00004164 | Perform Ten Thousand Hourly Maintenance on the Accommodation Ladder - Hydraulic Power Pack - Clean the Tank and Replace the Oil     |
| 240 |             | HS631/VAL-2601                          | ISA-7765-00001835 | Perform Two Annual Oil Change on the Accommodation Ladder - Hydraulic Power Pack                                                    |
| 241 | 644         | Sanitary Spaces and Fixtures            | HS156/VAL-0601    | Perform Two Annual Survey AND REPLACE the Hull Fittings and Structures - Bathrooms, Showers and WCS                                 |
| 242 | 655         | Laundry Spaces                          | HS156/VAL-0601    | Perform Two Annual Survey AND REPLACE of the Hull Fittings and Structures - Bathrooms, Showers and WCS                              |
| 243 | 656         | Trash Disposal Spaces                   | HS311/VAL-0601    | Perform Two Annual Survey of the Hull Fittings and Structures - General Machinery Spaces                                            |
| 244 | 662         | Machinery Control Centers Furnishings   | HS311/VAL-0601    | Perform Two Annual Survey of the Hull Fittings and Structures - General Machinery Spaces                                            |
| 245 |             |                                         | HS213/VAL-0601    | Perform Two Annual Survey of the Hull Fittings and Structures - Electrical Compartments                                             |
| 246 | 663         | Electronics Control Centers Furnishings |                   | Perform , Replacement of the Damage Control Equipment - Detector, Portable, Chemical Agent, RAID-1 - Battery                        |
| 247 |             |                                         | HS600/VAL-4605    | Perform , Replacement of the Damage Control Equipment - Detector, Portable, Chemical Agent, RAID-1 - Nozzle Protective Cap Assembly |
| 248 | 6641001A004 | Portable Meas.                          | HS600/VAL-        | Perform , Replacement of the Damage Control Equipment -                                                                             |

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|     |             | Unit Raid 1                                                 | 4604           | 00005017          | Detector, Portable, Chemical Agent, RAID-1 - Battery                                                                                |
| 249 |             |                                                             | HS600/VAL-4605 | ISA-7765-00005019 | Perform , Replacement of the Damage Control Equipment - Detector, Portable, Chemical Agent, RAID-1 - Nozzle Protective Cap Assembly |
| 250 | 6641001B011 | Measuring Unit<br>GID2A, Scramble<br>Room                   | HS600/VAL-0010 | ISA-7765-00005012 | Perform , Cleaning or Replace of the Damage Control Console - Gas Detector Pump, Exhaust Valve                                      |
| 251 |             |                                                             | HS600/VAL-4601 | ISA-7765-00005014 | Perform , Replacement of the Damage Control Consoles - Gas Detector Pump, Socket/Membrane                                           |
| 252 | 6641001B012 | Measuring Unit<br>GID2A, WE2                                | HS600/VAL-0010 | ISA-7765-00005013 | Perform , Cleaning or Replace of the Damage Control Console - Gas Detector Pump, Exhaust Valve                                      |
| 253 |             |                                                             | HS600/VAL-4601 | ISA-7765-00005015 | Perform , Replacement of the Damage Control Consoles - Gas Detector Pump, Socket/Membrane                                           |
| 254 | 6642        | Damage Control<br>Equipment                                 | HS600/VAL-0606 | ISA-7765-00004093 | Perform Annual Inspection of the Pogo Dry Flashback Arrestor For Tightness                                                          |
| 255 |             | Damage Control<br>Pump, Electric<br>Driven, Aft<br>Stowage  | HS600/VAL-0608 | ISA-0000004883    | Perform Three Monthly Inspection of the Submersible Pump - Lower and Upper Seals                                                    |
| 256 |             |                                                             | HS600/VAL-0903 | ISA-0000011948    | Perform Four Monthly Functional Test of the Submersible Pump                                                                        |
| 257 | 6642001A041 | Damage Control<br>Pump, Electric<br>Driven, Fwd.<br>Stowage | HS600/VAL-0608 | ISA-0000010445    | Perform Three Monthly Inspection of the Submersible Pump - Lower and Upper Seals                                                    |
| 258 |             |                                                             | HS600/VAL-0903 | ISA-0000012462    | Perform Four Monthly Functional Test of the Submersible Pump                                                                        |
| 259 |             |                                                             | HS600/VAL-0301 | ISA-7765-00002923 | Perform Two Hundred Hourly Inspection and Cleaning of the Diesel Engines Portable Centrifugal Fire Pump - Injector Nozzles          |
| 260 |             |                                                             | HS600/VAL-0302 | ISA-7765-00002924 | Perform Two Hundred Hourly Exchange of the Diesel Engine Portable Centrifugal Fire Pump - Fuel Filter Cartridge                     |
| 261 |             |                                                             |                |                   | Perform Two Hundred Hourly Exchange of the Diesel Engine Portable Centrifugal Pump - Lube Oil Cartridge                             |

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| 262 |             |                                                  | HS600/VAL-0603 | ISA-7765-00002925 | Perform Two Hundred Hourly Inspection of the Diesel Engine Portable Centrifugal Fire Pump - Clearance Between the Rocker Arms and Valves        |
| 263 |             |                                                  | HS600/VAL-0001 | ISA-7765-00002908 | Perform Two Hundred Hourly Inspection and Cleaning of the Diesel Engines Portable Centrifugal Fire Pump - Injector Nozzles                      |
| 264 |             |                                                  | HS600/VAL-0301 | ISA-7765-00002920 | Perform Two Hundred Hourly Exchange of the Diesel Engine Portable Centrifugal Fire Pump - Fuel Filter Cartridge                                 |
| 265 | 6642001A043 | Damage Control Pump, Diesel Driven, Fwd. Stowage | HS600/VAL-0302 | ISA-7765-00002921 | Perform Two Hundred Hourly Exchange of the Diesel Engine Portable Centrifugal Pump - Lube Oil Cartridge                                         |
| 266 |             |                                                  | HS600/VAL-0603 | ISA-7765-00002922 | Perform Two Hundred Hourly Inspection of the Diesel Engine Portable Centrifugal Fire Pump - Clearance Between the Rocker Arms and Valves        |
| 267 |             |                                                  | HS600/VAL-1401 | ISA-0000010865    | Perform Four Monthly Service of the Diesel Engine Portable Centrifugal Fire Pump - Diesel Engine (Oil Change)                                   |
| 268 | 6642002A117 | Thermal Imaging Camera                           | HS641/2-0001   | ISA-0000013527    | Perform Annual Maintenance on the Thermal Imaging Camera                                                                                        |
| 269 |             |                                                  |                |                   | Perform Two Annual Survey of the Hull Fittings and Structures - General Machinery Spaces                                                        |
| 270 |             |                                                  | HS600/VAL-1101 | ISA-7765-00004094 | Perform Annual Cleaning of the Lifting and Pulling Machine                                                                                      |
| 271 | 6650007A001 | Welding Transformer                              | HS600/VAL-1103 | ISA-7765-00004095 | Perform Six Monthly Cleaning of the Welding Transformer - Internal Components                                                                   |
| 272 | 6651001B    | Mechanical Workshop                              | HS600/VAL-1402 | ISA-7765-00004096 | Perform Annual Service of the Hydraulic Hand Pump - (Oil Change). REMOVE,INSPECT, REFURBISH, REINSTALL AND SET TO WORK FWD AND AFT CHILLER UNIT |

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| 273 | ISA-0000001018    | UV UNIT. FRESH WATER: REMOVE, INSPECT, REFURBISH, REINSTALL AND SET TO WORK                                                                                                                                                                                 |
| 274 | ISA-7765-00002678 | Corrective Maintenance on the AVCAT Digital counter displaying error indication on the counter unable to refuel using counter repair the defect conduct functional test with the heli set the system to work.                                               |
| 275 |                   | The PD Enclosure door seals are worn. Replace all                                                                                                                                                                                                           |
| 276 | ISA-7765-00002690 | Corrective Maintenance to be done on all main groups and weapon groups as MG 3.3, 4.2 and WG 2.1 are displaying battery failure with amber light on conduct a battery check via charger unit correct defect, perform functional test and set to work.       |
| 277 | ISA-7765-00002700 | Pipe work shop to repair fire pump 5 vortex chamber pipes, pipes are leaking when pump is running.                                                                                                                                                          |
| 278 | ISA-7765-00002702 | 40 > 8 bar air reducer is defective, currently the bypass valve have to be operated in order to establish 8 bar air. Suspect Pressure Regulator valve defective. Remove, inspect, refurbish and install.                                                    |
| 279 | ISA-7765-00002711 | STBD CPP Plummer Block FWD and AFT dial thermometers are defective. Replace                                                                                                                                                                                 |
| 280 | ISA-7765-00002730 | Found chilled water pipe fittings in various WE Spaces (OPS Room, Sonar Compartment, and Master Datum Room etc.) to be corroded externally due to condensation. Survey pipes and fittings internally/externally, replace pipes and fittings where required. |
| 281 | ISA-7765-00002732 | Conduct Deck Coefficient of Friction test in the hanger and flight deck. On completion of repairs                                                                                                                                                           |
| 282 |                   | Conduct W4 service on Port PD.                                                                                                                                                                                                                              |
| 283 | ISA-7765-00002734 | Corrective Maintenance on the HP motor on the fwd. RO plant is defective therefore plant is an unable to operator. Functional test to be                                                                                                                    |

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|     |                   | done and set to work.                                                                                                                                                                                                                                        |
| 284 |                   | Refurbish and install the 250 > 3.5 bar.                                                                                                                                                                                                                     |
| 285 | ISA-7765-00002743 | Engine Room Heat Exchangers to be removed, inspected, refurbished and pressure tested and installed.                                                                                                                                                         |
| 286 |                   | Remove, inspect, refurbish and install bilge pumps and set to work.<br>Replace gauges                                                                                                                                                                        |
| 287 | ISA-7765-00002748 | DG 1,2,3 and 4 Start Air Cylinder condensate drain valve and FWD and AFT 40 bar Distribution is corroded and defective. No stock is available AFT Breathing Air<br>Compressor filter cartridges are beyond service life, ship staff unable to acquire spares |
| 288 | ISA-7765-00002766 | Remove, inspect, refurbish and install all Fire main isolation, risers, cross-connection and drain valves.                                                                                                                                                   |
| 289 | ISA-7765-00002769 | Manufacture cover for the Ras capstan motor on the missile deck .                                                                                                                                                                                            |
| 290 | ISA-7765-00002770 | Failure of infrared lamps and defective goosenecks and switches on lamps.                                                                                                                                                                                    |
| 291 | ISA-7765-00002771 | Install wipers on bridge windows and wiper motors. Remove bridge windows and repair the window frames.                                                                                                                                                       |
| 292 | ISA-7765-00002773 | Repair CED as per Report REF 7103-13-02-06-01<br>Remove all Siemens Hydroboils and replace with Zip Boils. All hydro boils defective                                                                                                                         |
| 294 | ISA-7765-         | Replace all Honey well temperature sensors in cabins, dining halls, rec                                                                                                                                                                                      |

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|     |             |                                                        |              |                   | spaces and compartments.                                                                                                  | 00006066          |
| 295 |             |                                                        |              |                   | Replace the Chlorifier (Hot water Generator) and elements                                                                 | ISA-7765-00006068 |
| 296 |             |                                                        |              |                   | Brush gear and brushes on diesel shafts require to be replaced with original parts (brush gear, incl. x2 silver brushes)  |                   |
| 297 |             |                                                        |              | EL65/10-4602      | Perform Six Monthly Replacement of the Visual Landing Aid System - Operating Panel Housing Drying Agent and Inspect Seals | ISA-7765-00002945 |
| 298 | 3142001A001 | Frequency Converter 1, 400 Hz, Forward                 | EL39/10-0601 | ISA-7765-00004641 | Perform Annual Inspection of the Static Frequency Converter ACM15 - Power and Control Terminals - Security                |                   |
| 299 | 3142001A002 | Frequency Converter 2, 400 Hz, Aft                     | EL39/10-0601 | ISA-7765-00004642 | Install Static Frequency Converter ACM15 - Power and Control Terminals - Security                                         |                   |
| 300 | 3143001     | Uninterruptible Power Supply Units (UPS)               | EL87/21-0601 | ISA-7765-00004673 | Perform Annual Inspection of the Static UPS System ASM30 - Tightness of Power and Control Terminals                       |                   |
| 301 |             |                                                        | EL87/21-4602 | ISA-7765-00002951 | Perform Four Annual Replacement of the Static UPS System ASM30 - Battery                                                  |                   |
| 302 | 3146001     | Transformers, External to Main Group and Weapons Group | EL18/31-0001 | ISA-7765-00003748 | Perform Four Monthly Cleaning and Inspection of the Transformers                                                          |                   |
| 303 |             |                                                        | EL16/24-0601 | ISA-7765-00003741 | Perform Four Monthly Inspection of the Starter Boxes - Secure Fitting of Devices and Components                           |                   |
| 304 |             |                                                        | EL16/24-0902 | ISA-7765-00003550 | Perform Annual Test of the Starter Boxes - Thermistor Motor Protection - Function                                         |                   |
| 305 |             |                                                        |              |                   | Perform Annual Inspection of the Starter Boxes - Rotary Disk Switches and Relays - Mechanical Function                    |                   |

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| 306 |     |                            |              |                   | Perform Annual Inspection of the Tank Level Indicators & Limit Monitors - Function                              |
| 307 | 320 | Power Distribution Systems |              |                   | Perform Annual Inspection of the Starter Boxes - Components with Output Devices - Function                      |
| 308 |     |                            | EL16/24-1101 | ISA-7765-00003745 | Perform Four Monthly Cleaning and Lubrication of the Starter Boxes - Door                                       |
| 309 |     |                            |              |                   | Perform Four Monthly Inspection of the Main Switchboard FWD - Connections and Components for Security           |
| 310 |     |                            | EL12/20-0910 | ISA-7765-00003720 | Perform Four Monthly Testing of the Main Switchboard FWD - Seldom Used Circuit Breakers                         |
| 311 |     |                            | EL12/20-0911 | ISA-7765-00003721 | Perform Annual Testing of the Main Switchboard FWD - Main Circuit Breakers (Remove and Reinstall)               |
| 312 |     |                            | EL12/20-0912 | ISA-7765-00003722 | Perform Annual Testing of the Main Switchboard FWD - Tripping Devices of the Main Circuit Breakers              |
| 313 |     |                            | EL12/20-0913 | ISA-7765-00003723 | Perform Annual Testing of the Main Switchboard FWD - Switches, Contactors and Relays                            |
| 314 |     |                            |              |                   | Perform Annual Testing of the Main Switchboard FWD - Reverse-Power Releases for the Alternator Circuit Breakers |
| 315 |     |                            | EL12/20-0919 | ISA-7765-00003726 | Perform Four Monthly Inspection of the Main Switchboards FWD - Vital Monitoring Instruments - Displays          |
| 316 |     |                            | EL12/20-     | ISA-7765-         | Perform Four Monthly Cleaning of the Main Switchboards FWD                                                      |

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| 317 | 1102         | 00003728          | Perform Four Monthly Inspection of the Main Switchboard AFT - Connections and Components for Security            |
| 318 | EL12/20-0903 | ISA-7765-00003715 | Perform Four Monthly Testing of the Main Switchboard AFT - Seldom Used Circuit Breakers                          |
| 319 |              |                   | Perform Annual Testing of the Main Switchboard AFT - Main Circuit Breakers (Remove and Reinstall)                |
| 320 | EL12/20-0905 | ISA-7765-00003717 | Perform Annual Testing of the Main Switchboard AFT - Tripping Devices of the Main Circuit Breakers               |
| 321 | EL12/20-0906 | ISA-7765-00003718 | Perform Annual Testing of the Main Switchboard AFT - Switches, Contactors and Relays                             |
| 322 |              |                   | Perform Annual Testing of the Main Switchboard AFT - Reverse-Power Releases for the Alternator Circuit Breakers  |
| 323 | EL12/20-1101 | ISA-7765-00003727 | Perform Four Monthly Cleaning of the Main Switchboards AFT                                                       |
| 324 | EL87/20-0601 | ISA-7765-00003543 | Perform Annual Inspection of the Battery Charger NLG100 - Terminals For Tightness                                |
| 325 |              |                   | Perform Six Monthly Inspection of the Main Groups - Secure Fitting of Devices and Components Mechanical Function |
| 326 | EL16/20-0604 | ISA-7765-00003544 | Perform Annual Inspection of the Main Groups - Rotary Disk Switches & Relays -                                   |
| 327 | EL16/20-0605 | ISA-7765-00003545 | Perform Annual Inspection and Maintenance of the Main Groups - Circuit Breakers and Fused Isolators              |

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| 328 |             | EL16/20-0902 | ISA-7765-00003731 | Perform Four Monthly Test of the Main Group - Rarely Used Circuit Breakers                      |
| 329 |             | EL16/20-1101 | ISA-7765-00003732 | Perform Four Monthly Cleaning of the Main Group - Switchboard                                   |
| 330 |             | EL16/20-4601 | ISA-7765-00003733 | Perform Six Monthly Replacement of the Main Group - Filter Mats                                 |
| 331 |             | EL87/20-4602 | ISA-7765-00003591 | Perform Six Annual Replacement of NLG100 Battery Chargers - Batteries                           |
| 332 | 3242001A100 | EL87/20-0901 | ISA-7765-00003583 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 333 | 3242001A200 | EL87/20-0902 | ISA-7765-00003584 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 334 | 3242001A300 | EL87/20-0903 | ISA-7765-00003585 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 335 | 3242001A400 | EL87/20-0904 | ISA-7765-00003586 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 336 | 3242001A500 | EL87/20-0905 | ISA-7765-00003587 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 337 | 3242001A600 | EL87/20-0906 | ISA-7765-00003588 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 338 | 3242001A700 | EL87/20-0908 | ISA-7765-00003590 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 339 | 3242001A800 | EL87/20-0907 | ISA-7765-00003589 | Perform Two Annual Test of the Main Group - Battery Charger - Load and Capacity                 |
| 340 |             |              |                   | Perform Four Monthly Inspection of the Weapons Group - Secure Fitting of Devices and Components |

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| 341 |             | EL16/21-0602 | ISA-7765-00003546 | Perform Annual Inspection of the Weapons Group - Circuit Breakers and Fuse Isolators        |
| 342 |             |              |                   | Perform Annual Inspection of the Weapons Group - Rotary Disk Switches and Relays - Function |
| 343 |             | EL16/21-0903 | ISA-7765-00003735 | Perform Four Monthly Test of the Weapons Group - Rarely Used Circuit Breakers               |
| 344 |             | EL16/21-1101 | ISA-7765-00003736 | Perform Four Monthly Cleaning of the Weapons Group - Panel                                  |
| 345 |             | EL16/21-4601 | ISA-7765-00003737 | Perform Four Monthly Replacement of the Weapons Group - Cabinet Fan Filter Mats             |
| 346 | 3242002A200 | EL16/21-0904 | ISA-7765-00004988 | Perform Two Annual Test of the Weapons Group - Battery Charger - Load and Capacity          |
| 347 | 3242002A300 | EL16/21-0907 | ISA-7765-00004991 | Perform Two Annual Test of the Weapons Group - Battery Charger - Load and Capacity          |
| 348 |             | EL16/21-0908 | ISA-7765-00004992 | Perform Two Annual Test of the Weapons Group - Battery Charger - Load and Capacity          |

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| 349 |             |                  | EL16/21-0905 | ISA-7765-00004989 | Perform Two Annual Test of the Weapons Group - Battery Charger - Load and Capacity                                 |
| 350 |             |                  |              |                   | Perform Two Annual Test of the Weapons Group - Battery Charger - Load and Capacity                                 |
| 351 |             |                  | EL16/21-0906 | ISA-7765-00004990 | Perform Four Monthly Inspection of the Fan Groups - Secure Fitting of Devices and Components                       |
| 352 |             |                  | EL16/23-0602 | ISA-7765-00003541 | Perform Annual Inspection of the Fan Groups - Rotary Disk Switches and Relays - Mechanical Function                |
| 353 |             |                  | EL16/23-0902 | ISA-7765-00003744 | Perform Four Monthly Test of the Fan Groups - Rarely Used Circuit Breakers                                         |
| 354 |             |                  | EL16/23-1101 | ISA-7765-00003542 | Perform Four Monthly Cleaning of the Fan Groups - Switchboard                                                      |
| 355 | 3242002A500 | Weapon Group 2.3 |              |                   | Perform Four Monthly Inspection of the Sub-Groups - Secure Fitting of Devices and Components                       |
| 356 |             |                  | EL16/22-0602 | ISA-7765-00003548 | Perform Annual Inspection and Maintenance of the Sub-Groups - Circuit Breakers and Fused Isolators (If Applicable) |
| 357 |             |                  | EL16/22-0603 | ISA-7765-00003549 | Perform Annual Inspection of the Sub-Groups - Rotary Disk Switches and Relays - Mechanical Function                |
| 358 |             |                  | EL16/22-0904 | ISA-7765-00003739 | Perform Four Monthly Test of the Sub-Groups - Rarely Used Circuit Breakers                                         |
| 359 |             |                  | EL16/22-     | ISA-7765-         | Perform Four Monthly Cleaning of the Sub-Groups - Panel /                                                          |

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|     |         |                        | 1101         | 00003740          | Switchboard                                                                                                                                                                    |  |
| 360 |         |                        | EL16/22-1102 | ISA-7765-00003742 | Perform Annual Cleaning of the Sub-Groups - Box - Internal and External                                                                                                        |  |
| 361 |         |                        |              |                   | Perform Six Monthly Service and Clean of the Distribution and Fuse Boxes - Terminal Boxes                                                                                      |  |
| 362 |         |                        | EL12/20-0917 | ISA-7765-00003725 | Perform Four Monthly Inspection of the Shore Connection Boxes (1 to 4), 440V 400A - Connections and Components for Security                                                    |  |
| 363 |         |                        |              |                   | Perform Four Monthly Cleaning of the Shore Connection Boxes (1 to 4), 440V 400A                                                                                                |  |
| 364 | 3243019 | Shore Connection Boxes | EL12/20-1103 | ISA-7765-00003729 | Perform Four Monthly Functional Check of the Lighting Systems - Charging Unit, Switchboard Switches and Control Lamps, Switches and Leads at the Posi+Signal Lamp Switch Panel |  |
| 365 |         |                        | EL18/30-0602 | ISA-7765-00003747 | Perform Three Monthly Inspection of the Lighting System - Equipment is Mounted Securely                                                                                        |  |
| 366 |         |                        | EL18/30-0603 | ISA-7765-00003554 | Perform Annual Inspection of the Lighting System - Electrical Connections are Secure                                                                                           |  |
| 367 |         |                        | EL18/32-0901 | ISA-7765-00003555 | Perform Annual Operational Check of the Low Location Lighting System                                                                                                           |  |
| 368 |         |                        | EL90/32-0001 | ISA-7765-00004148 | Perform , Draining of the Magnetic Compass MARS T12A - Compass Fluid                                                                                                           |  |
| 369 |         |                        |              |                   | Perform , Maintenance on the Magnetic Compass MARS T12A - Pivot                                                                                                                |  |

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| 370 | 4211200A001 | Magnetic Compass<br>with Reflection Tube | EL90/32-<br>0601 | ISA-7765-<br>00002958 | Perform , Replenishment and De-aeration of the Magnetic Compass<br>MARS T12A - Compass Liquid |
| 371 |             |                                          | EL90/32-<br>0901 | ISA-7765-<br>00004151 | Perform Three Monthly Inspection of the Magnetic Compass MARS T12A                            |
| 372 |             |                                          | EL90/32-<br>2801 | ISA-7765-<br>00004152 | Perform , Test on the Magnetic Compass MARS T12A - Card Bearing Test                          |
| 373 |             |                                          | EL90/32-<br>2901 | ISA-7765-<br>00004153 | Perform , Dis-assembly of the Magnetic Compass MARS T12A                                      |
| 374 |             |                                          | EL90/32-<br>4604 | ISA-7765-<br>00004154 | Perform , Assembly of the Magnetic Compass MARS T12A                                          |
| 375 |             |                                          | EL90/32-<br>4605 | ISA-7765-<br>00004155 | Perform , Replacement of the Magnetic Compass MARS T12A - Lamps                               |
| 376 |             |                                          |                  |                       | Perform , Replacement of the Magnetic Compass MERKUR S - Lamp                                 |
| 377 |             |                                          |                  |                       | Perform , Replacement of the Magnetic Compass MARS T12A - Sapphire<br>Bearing and Mount       |
| 378 |             |                                          | EL90/32-<br>4607 | ISA-7765-<br>00004157 | Perform , Replacement of the Magnetic Compass MARS T12A - Retaining<br>Springs                |

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| 379 |             |                                              |              |                   | Perform Three Monthly Inspection and Cleaning of the Doppler Log - Electronic Cabinet Air Filter Pads                |
| 380 |             |                                              | EL93/30-0903 | ISA-7765-00005440 | Perform Six Monthly Functional Test of the Doppler Log - Fans and Stand-By Heating                                   |
| 381 | 4242100A004 | Control / Display Unit, Doppler Log          | EL93/30-0001 | ISA-7765-00002957 | Perform Three Monthly Cleaning and Inspection of the Doppler Log - Transducer Face                                   |
| 382 | 4260100     | Ships Time System                            | EL101/1-4601 | ISA-7765-00001845 | Perform Two Annual Replacement of the Ship's Time System - Back-Up Battery                                           |
| 383 |             |                                              |              |                   | Perform Annual Cleaning of the Speed Log System - Flush-Fitted Sensor NF                                             |
| 384 | 4262100A004 | Flat Log Sensor                              | EL93/32-1101 | ISA-7765-00002952 | Perform Three Monthly Lubrication of the Speed Log System - Flush-Fitted Sensor NF - Sea Valve - Spindle             |
| 385 |             |                                              | EL90/30-0002 | ISA-7765-00005981 | Perform , Capacitance Inspection and Discharge of Battery of the Gyro Compass System PL41 MK4 (Workshop Maintenance) |
| 386 | 4271100A001 | PL 41, MK4, MOD 1, Basic Unit, INS (Forward) | EL90/30-0003 | ISA-7765-00005983 | Perform , Charging of the Gyro Compass System PL41 MK4 - Battery (Workshop Maintenance)                              |
| 387 |             |                                              | EL90/30-0004 | ISA-7765-00005985 | Perform , Recharging of the Inertial Navigation System - Battery (On-Board)                                          |

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| 388 | 4271200A001 |                                                  | EL90/30-0002 | ISA-7765-00005980 | Perform , Capacitance Inspection and Discharge of Battery of the Gyro Compass System PL41 MK4 (Workshop Maintenance) |
| 389 |             | PL 41, MK4, MOD 1,<br>Basic Unit, INS 2<br>(Aft) |              |                   | Perform , Charging of the Gyro Compass System PL41 MK4 - Battery (Workshop Maintenance)                              |
| 390 |             |                                                  |              |                   | Perform , Recharging of the Inertial Navigation System - Battery (On-Board)                                          |

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| 391 |               |                                 |              |                   | Perform Six Monthly Inspection of the Relay Box of the Hydraulic Lock Alarm - Electrical Connections and Mechanical Damage |
| 392 | 4360001       | Fire Detection System           | EL55/30-0908 | ISA-7765-00003750 | Perform Four Monthly Test of the Fire Alarm System - Detectors Alarm Test                                                  |
| 393 |               |                                 | EL55/30-1101 | ISA-7765-00004993 | Perform , Cleaning of the Fire Alarm System - Detector                                                                     |
| 394 |               |                                 |              |                   | Perform Four Monthly Test of the Fire Alarm System - Detectors Alarm Test (Operating Unit BS-100BF-E)                      |
| 395 | 4360002       | Int Comms Alarm Light Columns   | EL55/31-0602 | ISA-7765-00002929 | Perform Four Monthly Visual Inspection of the Light Calling Column System - Internal Parts                                 |
| 396 | 4380          | Integrated Platform Management  | EL61/30-0001 | ISA-7765-00004669 | Perform Three Monthly Reboot of the Integrated Platform Management System                                                  |
| 397 |               |                                 | EL61/30-4604 | ISA-7765-00002933 | Perform Four Annual Replacement of the Integrated Platform Management System - Lithium Battery                             |
| 398 |               |                                 | EL61/30-4605 | ISA-7765-00001846 | Perform Two Annual Replacement of the Integrated Platform Management System - UPS Accumulators                             |
| 399 |               |                                 | EL61/30-4602 | ISA-7765-00002931 | Perform Annual Replacement of the Integrated Platform Management System - S7-400 Back-Up Battery                           |
| 400 | 4380004       | IPMS Sub-Stations               | EL61/30-4603 | ISA-7765-00002932 | Perform Annual Replacement of the Integrated Platform Management System - S7-300 Back-Up Battery                           |
| 401 | 4380009       | Machinery Control Console (MCC) | EL61/30-4601 | ISA-7765-00002930 | Perform Six Monthly Replacement of the Integrated Platform Management System - Filter Pads                                 |
| 402 | 4380009A00123 | IPMS Computer, ELEC, MCC        | EL61/30-4628 | ISA-7765-00004994 | Perform , Replacement of the IPMS Signal Distribution System - (Electrical Console) Mo-Drive                               |
| 403 | 4751001       | Degaussing System               | EL95/10-0002 | ISA-7765-00003762 | Perform Three Monthly Inspection and Cleaning of the Degaussing System - Power Supply - Filter Mats                        |
| 404 |               |                                 | EL95/10-     | ISA-7765-         | Perform Annual Inspection of the Degaussing System - Components                                                            |

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| 405 |  | 0601         | 00003763          | Perform Annual Inspection of the Degaussing System - Cable Lines, Terminal Connectors and Earth Leakage |
| 406 |  | EL95/10-0604 | ISA-7765-00003765 | Perform Annual Inspection of the Degaussing System - Door and Cover Seals                               |
| 407 |  | EL95/10-0901 | ISA-7765-00005004 | Perform , Testing of the Degaussing System                                                              |
| 408 |  |              |                   | Perform Annual Inspection and Lubrication of the Degaussing System - Doors and Associated Components    |
| 409 |  | EL95/10-1501 | ISA-7765-00005442 | Perform Annual Lubrication of the Degaussing System - Door Hinges and Locks                             |
| 410 |  | EL95/10-4601 | ISA-7765-00005443 | Perform Four Annual Replacement of the Degaussing Central Unit - Battery                                |
| 411 |  |              |                   | Perform , Replacement of the Helicopter Landing Aids - Lamps of The Glide Slope Indicator (GSI)         |

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| 412 | 4920003A029 | Switch Cabinet                            | EL65/10-4601 | ISA-7765-00002944 | Perform Six Monthly Replacement of the Visual Landing Aids System - Filter Mats in Central Switch Cabinet                            |
| 413 | 4926        | Lighting System, Visual Aid (Air Capable) | EL65/10-4603 | ISA-7765-00003752 | Perform Six Monthly Replacement of the Visual Landing Aid System - Flight Deck and Hangar Wall Lights Drying Agent and Inspect Seals |
| 414 | 49333100    | Close Circuit TV System                   | EL61/31-0602 | ISA-7765-00002934 | Perform Annual Inspection of the CCTV - Plug-in Connections - Proper Contact                                                         |
| 415 |             |                                           |              |                   | Perform Six Monthly Test of the Close Circuit TV System - Cameras for Correct Pan and Tilt Operation                                 |
| 416 |             |                                           |              |                   | Perform Annual Cleaning of the CCTV - Computer Cabinet and Fans                                                                      |
| 417 |             |                                           |              |                   | Perform , Adjustment of the Close Circuit TV System - Camera Station S-5 - Focus                                                     |
| 418 |             |                                           |              |                   | Perform , Replacement of the Close Circuit TV System - Wiper Arm (Camera Station PT30)                                               |
| 419 | 420         |                                           | EL61/31-4606 | ISA-7765-00004997 | Perform , Replacement of the Close Circuit TV System - Wiper Unit (Camera Station PT30)                                              |
| 420 |             |                                           | EL61/31-4607 | ISA-7765-00004998 | Perform , Replacement of the Close Circuit TV System - Water Tank (Camera Station PT30)                                              |
| 421 |             |                                           | EL61/31-4608 | ISA-7765-00004999 | Perform , Replacement of the Close Circuit TV System - Wiper Blade (Camera Station PT30)                                             |

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| 422 |  |              | EL61/31-4611 | ISA-7765-00005000 | Perform , Replacement of the Close Circuit TV System - Power Supply/Pub (Camera Station S-9)                                                               |
| 423 |  |              | EL85/20-0001 | ISA-7765-00003756 | Perform Six Monthly Cleaning and Inspection of the Electrical Heaters and Junction Boxes                                                                   |
| 424 |  |              |              |                   | Perform Six Monthly Inspection of the Switch Cabinet Main System - Electrical Connections for Fit, Tightness and Damage                                    |
| 425 |  |              | EL63/10-0602 | ISA-7765-00002938 | Perform Six Monthly Inspection of the Switch Cabinet Stand-by System - Electrical Connections for Fit, Tightness and Damage                                |
| 426 |  |              | EL63/10-0603 | ISA-7765-00002939 | Perform Six Monthly Inspection of the Bridge Panel - Electrical Connections for Fit, Tightness and Damage                                                  |
| 427 |  | 5141001      | EL63/10-0604 | ISA-7765-00002940 | Perform Six Monthly Inspection of the Junction Box for Control Valve Box - Electrical Connections                                                          |
| 428 |  |              | EL63/10-0605 | ISA-7765-00002941 | Perform Six Monthly Inspection of the Junction Box for Emergency Hand Pump - Electrical Connections                                                        |
| 429 |  |              | EL63/10-0606 | ISA-7765-00002942 | Perform Six Monthly Inspection of the Steering Gear Pump Control Panel - Electrical Connections, Fit, Tightness and Damage                                 |
| 430 |  |              | EL63/10-0607 | ISA-7765-00002943 | Perform Six Monthly Inspection of the Terminal Box at the Hydraulic Power Unit - Electrical Connections                                                    |
| 431 |  |              |              |                   | Perform Three Monthly Cleaning of the Refrigerators, Medical 200 L - Condenser                                                                             |
| 432 |  | 65200005A201 | EL86/11-1101 | ISA-7765-00003758 | Perform Ten Annual Replacement of the General Purpose Removable Davits - Transportable Power Distribution System (TPDS) - Electrical Components and Cables |
|     |  |              |              |                   | Refrigerator 200 Lit, Sickbay                                                                                                                              |

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| 433 |             |                                        | EL111/01-4601 | ISA-7765-00004918 | Perform Ten Annual Replacement of the General Purpose Removable Davits - Transportable Power Distribution System (TPDS) - Electrical Components and Cables                                                                         |
| 434 |             |                                        | EL111/01-0901 | ISA-7765-00002954 | Perform Annual Test of the General Purpose Removable Davits - Transportable Power Distribution System (TPDS) - Functional Test and Certification                                                                                   |
| 435 |             | 5831072B001 SP Davit Port              | EL111/01-0901 | ISA-7765-00004931 | Perform Annual Test of the General Purpose Removable Davits - Transportable Power Distribution System (TPDS) - Functional Test and Certification Transportable Power Distribution System (TPDS) - Electrical Components and Cables |
| 436 |             |                                        | EL111/01-4601 | ISA-7765-00002955 | Perform Ten Annual Replacement of the General Purpose Removable Davits -                                                                                                                                                           |
| 437 |             |                                        | EL111/01-4601 | ISA-7765-00004932 | Perform Ten Annual Replacement of the General Purpose Removable Davits - Transportable Power Distribution System (TPDS) - Electrical Components and Cables load test                                                               |
| 438 | 5880002A001 | Helicopter Power Unit Assembly, Hangar |               | ISA-7765-00002775 | Perform Ten Annual Replacement of the General Purpose Removable Davits - Transportable Power Distribution System (TPDS) - Electrical Components and Cables load test                                                               |
| 439 |             |                                        | EL103/1-0601  | ISA-7765-00004667 | Perform Annual Inspection of the Converter Unit and Hangar & Flight Deck Boxes - Damage and Function                                                                                                                               |
| 440 | 5880004A001 | Combi Ground Power Unit                | EL103/1-4601  | ISA-7765-00002928 | Perform Nine Annual Replacement of the COMBI Ground Power Unit - Battery.                                                                                                                                                          |
| 441 |             | Bridge Window Wipers                   | EL93/31-4601  | ISA-7765-00005002 | Perform , Replacement of the Window Wiper Blade                                                                                                                                                                                    |
| 442 | 6250003     |                                        | EL93/31-      | ISA-7765-         | Perform , Replacement of the Window Wiper Motor                                                                                                                                                                                    |

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|     |  |  | 4602         | 00005003          |  | Perform Two Annual Inspection of the Impressed Current Cathodic Protection (Pre and Post DED Trial)                              |
| 443 |  |  |              |                   |  |                                                                                                                                  |
| 444 |  |  | EL72/10-0004 | ISA-7765-00001848 |  | Perform Two Annual Inspection of the Impressed Current Cathodic Protection - Reference Cells and Anodes                          |
| 445 |  |  | EL72/10-1101 | ISA-7765-00003754 |  | Perform Six Monthly Cleaning and Inspection of the Impressed Current Cathodic Protection - CPU - Connections and Component Parts |
| 446 |  |  | EL72/10-1401 | ISA-7765-00003755 |  | Perform Six Monthly Service of the Impressed Current Cathodic Protection System - Controller Power Unit                          |
| 447 |  |  | EL86/10-0601 | ISA-7765-00002946 |  | Perform Annual Inspection and repair and set to work of the Refrigerators, 1000L - Cooling System                                |
| 448 |  |  | EL86/10-1101 | ISA-7765-00003757 |  | Perform Three Monthly Cleaning of the Refrigerators, 1000L - Condenser                                                           |
| 449 |  |  | EL86/10-4601 | ISA-7765-00002947 |  | Perform Annual Replacement of the Refrigerators, 1000L - Oil                                                                     |
| 450 |  |  |              |                   |  | Perform Annual Cleaning of the Refrigerators, 100L - Refrigeration Unit and Heat Exchanger                                       |
| 451 |  |  | EL86/12-0601 | ISA-7765-00002948 |  | Perform Annual Inspection and repair and set to work of the Refrigerators, 300L- Cooling System                                  |
| 452 |  |  | EL86/12-1101 | ISA-7765-00002949 |  | Perform Three Monthly Cleaning of the Refrigerators, 300L - Condenser                                                            |
| 453 |  |  | EL86/12-4601 | ISA-7765-00002950 |  | Perform Annual Replacement of the Refrigerators, 300L - Oil                                                                      |

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| 454 |  |  | ISA-7765-00004668 | Perform Annual Functional Test of the Medical Room Equipment, Operating Table. Foot piece to be derusted and polished. Oxygen bottle securing brackets required to be fitted. |
| 455 |  |  |                   | Main Engines Plate Core Heat Exchangers are to be inspected and cleaned and pressure tested.                                                                                  |
| 456 |  |  | ISA-7765-00002663 | Install new GT Louvre solenoid valve.                                                                                                                                         |
| 457 |  |  | ISA-7765-00002665 | Engine room deck plates and frames need to be removed, acid dipped and painted. Replace all securing bolts                                                                    |
| 458 |  |  |                   | PD/GT air intake covers are worn through due to exposure to the Elements.                                                                                                     |
| 459 |  |  | ISA-7765-00002670 | HELI REFUELLING HOSE AND RAS REFUELLING HOSE TO BE PRESSURE TESTED and replaced if faulty                                                                                     |
| 460 |  |  | ISA-7765-00002673 | PP91 SW Cooling Pump Mechanical Seal is leaking. Overhaul pump                                                                                                                |
| 461 |  |  |                   | Nitrogen bladders to be recharged                                                                                                                                             |
|     |  |  | ISA-7765-00002683 |                                                                                                                                                                               |
| 462 |  |  |                   | DG1, 2, 3 and 4 Primary and Secondary Silencers need to be removed, inspected, refurbished and replaced. Lagging to be replaced.                                              |
| 463 |  |  | ISA-7765-00005998 | Replace all scupper inserts throughout the ship to accommodate the bell cups                                                                                                  |

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| ISA-7765-00005999 | Replace all ED, FD and VPC valves on all lift tanks and heads and urinals                                                                              |
| ISA-7765-00006003 | Remove and replace all lagging for GT, DG and PD Exhaust lines.                                                                                        |
| ISA-7765-00006004 | Remove and replace all piping and wire mountings inside the combined exhaust duct and ventilation trunking, hydraulic hoses, cables and valve spindles |
| ISA-7765-00006006 | Replace all exhaust sea water cooling copper piping for DGs, Provision Cooling plant, Chilled Water plant Fwd. and AFT and PDs                         |
| ISA-7765-00006010 | Remove, inspect, refurbish and install all valves on grease separator                                                                                  |
| ISA-7765-00006012 | Inspect, service and repair all 8>3bar reducers associated with inflatable door seals.                                                                 |
| ISA-7765-00006013 | Replace all Non Return Valves on Propulsion Systems and Auxiliary Systems.                                                                             |
| ISA-7765-00006015 | Service and load test 2,5 ton crane                                                                                                                    |
| ISA-7765-00006016 | Calibrate all Fuel, Coolant, Air and Sea Water gauges.                                                                                                 |
| ISA-7765-00006016 | Overhaul FWD and AFT Fuel Separators.                                                                                                                  |
| ISA-7765-00006016 | Replace all air intake filters for GT, PDs and DGs BC Flaps, vent. mode                                                                                |

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|     |         |                              | 00006017          |                                                                                                                                                                |
| 475 | 6520005 | Equipment in Sickbay Complex | ISA-7765-00006019 | Remove, inspect, refurbish and install all fire pumps and motors. Quantity 8                                                                                   |
| 476 |         |                              | ISA-7765-00006020 | Service and load test 2 ton overhead gantry crane                                                                                                              |
| 477 |         |                              | ISA-7765-00006021 | Replace all Non Return valves on the Fire Main System.                                                                                                         |
| 478 |         |                              | ISA-7765-00006023 | Remove, inspect, refurbish and Recalibrate all overboard spring loaded valves.                                                                                 |
| 479 |         |                              |                   | Replace all wire stantion cabling on all-weather decks with 750KG capacity                                                                                     |
| 480 |         |                              | ISA-7765-00006024 | Inspect all forecastle and quarterdeck shell flap combing, butterfly nuts, stoppers, rubber seals and gas dampers/ dashpod. In the event of any defects repair |
| 481 |         |                              | ISA-7765-00006028 | Remove, inspect, refurbish and install all hyfex piping nozzles in the fire main system.                                                                       |
| 482 |         |                              | ISA-7765-00006029 | Remove, inspect, refurbish and install 2 foam monitors on hyfex system.                                                                                        |
| 483 |         |                              | ISA-7765-00006032 | Drain and refill hyfex FWD and AFT Hyfex tanks.                                                                                                                |
| 484 |         |                              |                   | Replace all Grey and Black water piping.                                                                                                                       |
| 485 |         |                              | ISA-7765-00006035 | Replace all sea suction suction strainers on all sea water inlets.                                                                                             |
| 486 |         |                              | ISA-7765-00006037 | Remove, inspect, refurbish, install and set to work the following compressors: WP5500, WP45L x 2, Breathing Air x2                                             |

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| 487 |                   | Remove, inspect, refurbish and install All deck plate anti vibration rubbers.                                                                                                                                |
| 488 | ISA-7765-00006042 | Replace all compensators for DGs, PDs, Chilled Water Units and Provision Cooling Plant.                                                                                                                      |
| 489 | ISA-7765-00006043 | All corroded piping to be replaced on DG, GT and PD. Replace lagging                                                                                                                                         |
| 490 | ISA-7765-00006044 | Replace all filters in BC Stations and inside vent mods                                                                                                                                                      |
| 491 | ISA-7765-00006046 | Replace all defective piping inside the vent mods                                                                                                                                                            |
| 492 |                   | Remove, inspect, refurbish and install and set to work all Water fountains. (4 in No)                                                                                                                        |
| 493 | ISA-7765-00006047 | Remove, inspect, refurbish and install Remove the following Exhaust Injection cooling pumps: 2 x PD injection, 1 x GT injection and 2 x DG injection cooling pumps.                                          |
| 494 | ISA-7765-00006064 | Remove, inspect, refurbish and install the following pumps on the Sewage system, 2 x Vacuumator Pumps, 2 x Macerator pumps, 2 x dosing pumps and 2 x Mixing/Draining pumps.                                  |
| 495 | ISA-7765-00006065 | Replace all tank, exhaust and pressure sensors.                                                                                                                                                              |
| 496 | ISA-7765-00006070 | Replace all Emergency lanterns Chilled water connector pipes for multi-functional consoles and electronic processing unit housings to be changed to stainless steel piping to prevent rust and condensation. |
| 497 |                   | Remove, inspect, refurbish and install the following Shafts:                                                                                                                                                 |
| 498 | ISA-7765-00006095 | 2 x Propulsion shafts                                                                                                                                                                                        |

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| 499 |         |                         |              | 1 x Gas Turbine shaft. |                                                                                                                                                                               |
| 500 |         |                         |              | Replace Thordon bushes |                                                                                                                                                                               |
| 501 |         |                         | M311/30-0002 | ISA-7765-00005987      | Perform Two Annual Removal and Replacement of the Compressed Air System, Pressure Vessel - Starting Air Bottle (125 L X4) - (ZEICHN. FL 23061)                                |
| 502 |         |                         | M311/30-0003 | ISA-7765-00005988      | Perform Two Annual Removal and Replacement of the Compressed Air System, Pressure Vessel - Starting Air Bottle (125 L X4) - (ZEICHN. FL 23061) - Heads and Piping             |
| 503 |         |                         | M362/40-0901 | ISA-7765-00001887      | Perform Two Annual Function Test of the Rudder Shaft and Accessories - Steering Gear Function Check (Docking Task) Replace rudder stock seals                                 |
| 504 |         |                         | M114/10-0002 | ISA-7765-00001977      | Perform Six Annual Maintenance of the jet Assembly - Hydraulic Reverse and Closing Cylinders -Scaffolding . Replace X2 feedback cables                                        |
| 505 |         |                         | M114/10-0003 | ISA-7765-00001978      | Perform Six Annual Removal and Replacement of the Water Jet Assembly - Hydraulic Reverse and Closing Cylinders - Cranes Remove, inspect, refurbish and install hydraulic rams |
| 506 | 100     | Hull Structure, General | M114/10-2901 | ISA-7765-00002017      | Perform Two Annual Assembly of the Water jet - Reverse Bucket and Accessories - Erection of Scaffolding                                                                       |
| 507 |         |                         | M311/30-0007 | ISA-7765-00003620      | Perform Two Annual Assembly and Dis-assembly of the Compressed Air System, Pressure Vessel - Starting Air Bottle (250 L X4) - Scaffolding                                     |
| 508 |         |                         | M311/30-0017 | ISA-7765-00003653      | Perform Two Annual Inspection of the Compressed Air System, Pressure Vessel - Distribution and Torpedo Air Bottles (63L X2) - Remove, inspect, refurbish and install          |
| 509 | 1140003 | Shaft Struts            | M132/4-0001  | ISA-7765-00005076      | Perform , Maintenance for Turning of the PD Shafts with Forced Cooling on "A" Brackets                                                                                        |

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| 510 |         |                                        |                   | Perform Two Annual Cleaning of the Steering Gear - Rudder Blades Remove, inspect, refurbish and install                                                                                                                                                     |
| 511 |         |                                        | M362/40-1101      | Perform , Maintenance for Turning of the PD Shafts with Forced Cooling on "A" Brackets                                                                                                                                                                      |
| 512 | 1140005 | Rudder Blades                          | ISA-7765-00002019 | Perform Two Annual Removal and Replacement of the Compressed Air System, Pressure Vessel - Starting Air Bottle (500 L X2) Propulsion Diesel Engine - (ZEICHN. FL 23062) - Heads and Piping Remove, inspect, refurbish and install. Conduct hydrostatic test |
| 513 | 233     | Propulsion Internal Combustion Engines | M970/1-2302       | Perform Three Monthly Vibration Measuring on Measuring Points of Propulsion Diesel' Data Collection Route                                                                                                                                                   |
| 514 |         |                                        | M113/30-0019      | Perform Twelve Thousand Hours (Twelve Annual) Maintenance (W5.2) on the Stbd Propulsion Diesel Engine                                                                                                                                                       |
| 515 |         |                                        | M583/11-0002      | Perform , Cleaning or Replacement of the Seawater Cooling Pump, Main Machinery Exhaust - Propulsion Diesel Engines Seawater Filter Inserts                                                                                                                  |
| 516 |         |                                        | M583/11-0005      | Perform , Cleaning or Replacement of the Sea Water Cooling System - Engine Room Air Coolers F1, F2, G1,G2, H1, J1, Propulsion Diesel Capsule Coolers and Lubrication Oil<br>Cooler Starting Air Compressor GT - Seawater Filter Inserts                     |
| 517 |         |                                        | M583/11-0606      | Perform Four Monthly Inspection of the Sea Water Cooling System - Valves and Flaps                                                                                                                                                                          |
| 518 |         |                                        | ISA-7765-00003814 | Perform Four Monthly Inspection of the Sea Water Cooling System - Shock and Vibration Absorbers                                                                                                                                                             |
| 519 |         |                                        | M583/11-0608      | Perform Annual Inspection of the Sea Water Cooling System - Zinc Anodes                                                                                                                                                                                     |

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| 520 |              | ISA-7765-00006050 | Replace all solenoid valves on Exhaust Sea Water System for Propulsion Diesel Engines.                                                                          |
| 521 |              | ISA-7765-00006051 | Remove and pressure test Plate core heat exchanger on Port and STBD PDs and rectify any defects encountered.                                                    |
| 522 | M113/30-0016 | ISA-7765-00005198 | Perform Five Hundred Hourly (Six Monthly) Function Check (Engine Stationary) of the Local Operating Panel, Propulsion Diesel Engine                             |
| 523 | M113/30-0017 | ISA-7765-00005199 | Perform One Thousand Hourly (Annual) Inspection and Cleaning of the Local Operating Panel, Propulsion Diesel Engine - Damage                                    |
| 524 | M113/30-0020 | ISA-7765-00002962 | Perform Twenty Four Thousand Hours (Eighteen Annual) Maintenance (W6) on the Stbd Propulsion Diesel Engine                                                      |
| 525 | M113/30-0611 | ISA-0000010766    | Perform One Thousand Hourly (Annual) Inspection of the Oil Cooling Pump Controller, Propulsion Diesel Engine - Cable Entries and Mechanical Fixing of Mountings |
| 526 | M113/30-0614 | ISA-7765-00004167 | Perform , Inspection of the Propulsion Diesel Engine - Coolant Thermostat - Emergency Setting                                                                   |
| 527 | M113/30-0615 | ISA-7765-00004169 | Perform , Inspection of the Propulsion Diesel Engine - Exhaust Control Line Water Discharge                                                                     |
| 528 | M113/30-0626 | ISA-7765-00005184 | Perform One Thousand Hourly (Annual) Inspection of Propulsion Diesel Engine, Torsion Resilient Coupling                                                         |
| 529 | M113/30-0627 | ISA-0000010767    | Perform Three Thousand Hourly (Two Annual) Inspection of Propulsion Diesel Engine, Engine Mount Bolts (Tightness)                                               |
| 530 | M113/30-0902 | ISA-7765-00005157 | Perform , Function Tests of the Propulsion Diesel Engine (Port) - Monitoring Units                                                                              |
| 531 | M113/30-0903 | ISA-7765-00005158 | Perform , Functional Test of the Propulsion Diesel Engine - Fuel Rack Position Sensor - G84.551                                                                 |
| 532 | M113/30-0904 | ISA-7765-00005159 | Perform , Functional Test of the Propulsion Diesel Engine - Governor Actuator                                                                                   |

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| M113/30-0908 | ISA-7765-00004177 | Perform , Engine Barring Testing of the Propulsion Diesel Engine                                             |
| M113/30-0909 | ISA-7765-00004179 | Perform , Testing of Compression Pressure of the Propulsion Diesel Engine                                    |
| M113/30-0911 | ISA-7765-00004183 | Perform , Testing of the Propulsion Diesel Engine - Sequential Turbocharging Control Flaps, Position         |
| M113/30-0913 | ISA-7765-00004185 | Perform , Testing of Propulsion Diesel Engine, Engine Oil Thermostat Emergency Setting and Governor Movement |
|              |                   | Perform , Testing of Propulsion Diesel Engine, Exhaust Backpressure                                          |

2330 Propulsion Diesel Engine, Main  
2330 Propulsion Diesel Engine, Main

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| M113/30-0914 | ISA-7765-00002966 | Perform Five Hundred Hourly (Six Monthly) Testing of Emergency Air Shut-Off Flaps                                      |
| M113/30-0917 | ISA-0000010770    | Perform One Thousand Hourly (Annual) Testing of Propulsion Diesel Engine, Cold Start System                            |
| M113/30-0918 | ISA-0000010771    | Perform One Thousand Hourly (Annual) Testing of Propulsion Diesel Engine, Engine Coolant System Fluid Level Monitoring |
| M113/30-0919 | ISA-7765-00005161 | Perform Three Thousand Hourly (Two Annual) Testing of Propulsion Diesel Engine, Vertical Shock Buffer                  |
|              |                   | Perform Three Thousand Hourly (Two Annual) Testing of Propulsion Diesel Engine, Horizontal Shock Buffer                |
|              |                   | Perform , Functional Test on the Engine Control System, ECS 1163/S                                                     |
|              |                   | Perform , Testing of Engine Control System, ECS 1163/S - Manual Operating Mode Switching                               |
| M113/30-1102 | ISA-7765-00004191 | Perform , Cleaning of the Propulsion Diesel Engine - Air Intake Drain Lines                                            |
|              |                   | Perform One Thousand Hourly (Annual) Cleaning of Propulsion Diesel Engine, Raw Water Filter                            |
| M113/30-1105 | ISA-7765-00005202 | Perform One Thousand Hourly (Annual) Cleaning of Propulsion Diesel Engine, Start Pilot Filter                          |
| M113/30-1106 | ISA-7765-00005187 | Perform One Thousand Hourly (Annual) Cleaning of Propulsion Diesel Engine, Engine Oil Disc-Pack Filter                 |
| M113/30-1401 | ISA-7765-00005203 | Perform Five Hundred Hourly (Six Monthly) Service and Oil Change on the Main Engine                                    |
|              |                   | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Coupling on Governor Linkage             |

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| M113/30-1502 | ISA-7765-00005205 | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Emergency Air Shut-Off Flaps                    |
| M113/30-1503 | ISA-7765-00004126 | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Sequential Turbocharging System Control Linkage |
| M113/30-1504 | ISA-7765-00005188 | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Cold Start System Compressor                    |
| M113/30-2601 | ISA-7765-00004193 | Perform , Filling of the Propulsion Diesel Engine - Engine Oil System                                                         |
| M113/30-2602 | ISA-7765-00004195 | Perform , Replenishing of the Propulsion Diesel Engine - Engine Coolant                                                       |
| M113/30-3601 | ISA-0000013075    | Perform Five Hundred Hourly (Six Monthly) Sampling of Engine Oil for Analysis                                                 |
| M113/30-3703 | ISA-7765-00004197 | Perform , Drain/Purge of the Fuel System of the Propulsion Diesel Engine                                                      |
| M113/30-3704 | ISA-7765-00004275 | Perform , Draining of Engine Coolant of Propulsion Diesel Engine                                                              |

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| M113/30-3705 | ISA-7765-00004199 | Perform , Drain/Purge of Propulsion Diesel Engine - Compressed Air System                                  |
| M113/30-4601 | ISA-7765-00005164 | Perform Preservative Maintenance on the Propulsion Diesel Engine - Extended Shutdown (One to Three Months) |
| M113/30-4602 | ISA-7765-00005165 | Perform , Replacement of the Propulsion Diesel Engine - Crankcase Safety Valve                             |
|              |                   | Perform , Replacement of the Propulsion Diesel Engine - Miltac Microswitch                                 |
|              |                   | Perform , Replacement of the Propulsion Diesel Engine - Delivery Valve (Oil                                |

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|     |              |                   | Pump)                                                                                                                                                                                                                                       |
| 564 | M113/30-4631 | ISA-0000013076    | Perform Five Hundred Hourly (Six Monthly) Remove and Replace of Propulsion Diesel Engine, Piston Cooling Oil Filter                                                                                                                         |
| 565 | M113/30-4632 | ISA-7765-00002988 | Perform One Thousand Hourly (Annual) Remove and Replace of Propulsion Diesel Engine, Fuel Pre-Filter Elements                                                                                                                               |
| 566 | M145/13-0609 | ISA-7765-00003040 | Perform One Hundred Hourly (Monthly) Inspection of Propulsion Diesel Engine STB, Exhaust System - Textile Compensators                                                                                                                      |
| 567 | M145/13-0612 | ISA-7765-00003041 | Perform One Hundred Hourly (Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks                                                                       |
| 568 | M145/13-0613 | ISA-7765-00003042 | Perform One Hundred Hourly (Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Textile Compensators                                                                                                                 |
| 569 | M145/13-0614 | ISA-7765-00005206 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Stainless Steel Compensators for Rupture                                                                                       |
| 570 | M145/13-0617 | ISA-7765-00005207 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System- Flexible Supports (Wire Isolators)                                                                                                 |
| 571 | M145/13-0618 | ISA-7765-00005208 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Injector Nozzles                                                                                                                  |
| 572 | M145/13-0619 | ISA-7765-00005209 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Seawater Regulation Valves (Electronic Control Valves) Exhaust<br>System - Seawater Regulation Valves (Electronic Control Valves) |

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| M145/13-0620 | ISA-7765-00005210 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Seawater Supply                                              |
| M145/13-0624 | ISA-7765-00003106 | Perform One Hundred Hourly (Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks |
| M145/13-0626 | ISA-7765-00005211 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine PORT, Exhaust System - Drainage System                                          |
| M145/13-0627 | ISA-7765-00004127 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine PORT, Exhaust System - Sensors                                                  |
| M145/13-0628 | ISA-7765-00005212 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System- Flexible Supports (Wire Isolators)                           |
| M145/13-0630 | ISA-7765-00005213 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Seawater Regulation Valves (Electronic Control Valves)      |
| M145/13-0631 | ISA-7765-00005214 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Seawater Supply                                             |

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| M145/13-0675 | ISA-7765-00005215 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine STB, Exhaust System - Drainage System |
| M145/13-0676 | ISA-7765-00004128 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine                                       |
| 2330001A001  | Propulsion Diesel | Perform Four Hundred Hourly (Three Monthly) Inspection of the                                                                |

|     | Engine, Starboard |              |                   | Propulsion Diesel Engine PORT, Exhaust System - Stainless Steel Compensators for Rupture                                            |
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| 583 |                   | M145/13-0678 | ISA-7765-00005217 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Injector Nozzles         |
| 584 |                   | M145/13-1105 | ISA-7765-00005878 | Perform One Hundred and Fifty Hourly Cleaning of the Propulsion Diesel Engine PORT, Exhaust System - Sensors and Switches           |
| 585 |                   | M145/13-1107 | ISA-7765-00003107 | Perform Hundred and Fifty Hourly Cleaning of the Propulsion Diesel Engine STB, Exhaust System - Sensors and Switches                |
| 586 |                   | M145/13-1108 | ISA-7765-00005218 | Perform Hundred and Fifty Hourly Cleaning of the Propulsion Diesel Engine STB, Exhaust System - Injector Nozzles                    |
| 587 |                   | M113/30-0016 | ISA-7765-00002967 | Perform Five Hundred Hourly (Six Monthly) Function Check (Engine Stationary) of the Local Operating Panel, Propulsion Diesel Engine |
| 588 |                   | M113/30-0017 | ISA-7765-00002968 | Perform One Thousand Hourly (Annual) Inspection and Cleaning of the Local Operating Panel, Propulsion Diesel Engine - Damage        |
| 589 |                   | M113/30-0020 | ISA-7765-00002971 | Perform Twenty Four Thousand Hours (Eighteen Annual) Maintenance (W6) on the Propulsion Diesel Engine                               |
| 590 |                   | M113/30-0024 | ISA-7765-00004166 | Perform , Venting of the Propulsion Diesel Engine (Starboard) - Oil Level Regulating System                                         |
| 591 |                   | M113/30-0025 | ISA-7765-00002972 | Perform One Thousand Hourly (Annual) Inspection and Adjustment of Propulsion Diesel Engine, Valve Clearances                        |
| 592 |                   | M113/30-0026 | ISA-7765-00002973 | Perform One Thousand Hourly (Annual) Replacement and Analysis of Propulsion Diesel Engine, Coolant                                  |
| 593 |                   | M113/30-     | ISA-7765-         | Perform Three Thousand Hourly (Two Annual) Removal, Cleaning and                                                                    |

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| 0027         | 00002974          | Testing of Propulsion Diesel Engine, Fuel Injectors                                                                                                             |
| M113/30-0028 | ISA-7765-00002975 | Perform Five Hundred Hourly (Six Monthly) Inspection of Drain Sludge Residue, Remove and Replace Propulsion Diesel Engine Oil Filter                            |
| M113/30-0029 | ISA-7765-00002976 | Perform Five Hundred Hourly (Six Monthly) Inspection of Drain Sludge Residue, Remove and Replace Propulsion Diesel Engine Oil By-Pass Filter                    |
| M113/30-0609 | ISA-7765-00002977 | Perform Five Hundred Hourly (Six Monthly) Inspection of the Engine Control System, Propulsion Diesel Engine - Tightness, Damage and Wiring Condition            |
| M113/30-0611 | ISA-7765-00002979 | Perform One Thousand Hourly (Annual) Inspection of the Engine Control System, Propulsion Diesel Engine - Tightness of Terminal Strip Screws                     |
| M113/30-0614 | ISA-7765-00004168 | Perform One Thousand Hourly (Annual) Inspection of the Oil Cooling Pump Controller, Propulsion Diesel Engine - Cable Entries and Mechanical Fixing of Mountings |
| M113/30-0615 | ISA-7765-00004170 | Perform , Inspection of the Propulsion Diesel Engine - Coolant Thermostat - Emergency Setting                                                                   |
| M113/30-0626 | ISA-7765-00002980 | Perform , Inspection of the Propulsion Diesel Engine - Exhaust Control Line Water Discharge                                                                     |
| M113/30-0902 | ISA-7765-00004172 | Perform One Thousand Hourly (Annual) Inspection of Propulsion Diesel Engine, Torsion Resilient Coupling                                                         |
|              |                   | Perform , Function Tests of the Propulsion Diesel Engine (Port) - Monitoring Units                                                                              |

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| 603 | M113/30-0903 | ISA-7765-00004174 | Perform , Functional Test of the Propulsion Diesel Engine - Fuel Rack Position Sensor - G84.551                        |
| 604 | M113/30-0904 | ISA-7765-00004176 | Perform , Functional Test of the Propulsion Diesel Engine - Governor Actuator                                          |
| 605 | M113/30-0908 | ISA-7765-00004178 | Perform , Engine Barring Testing of the Propulsion Diesel Engine                                                       |
| 606 | M113/30-0909 | ISA-7765-00004180 | Perform , Testing of Compression Pressure of the Propulsion Diesel Engine                                              |
| 607 |              |                   | Perform , Testing of the Propulsion Diesel Engine - Sequential Turbocharging Control Flaps, Position                   |
| 608 | M113/30-0911 | ISA-7765-00004184 | Perform , Testing of Propulsion Diesel Engine, Engine Oil Thermostat Emergency Setting and Governor Movement           |
| 609 | M113/30-0913 | ISA-7765-00004186 | Perform , Testing of Propulsion Diesel Engine, Exhaust Backpressure                                                    |
| 610 | M113/30-0914 | ISA-7765-00002982 | Perform Five Hundred Hourly (Six Monthly) Testing of Emergency Air Shut-Off Flaps                                      |
| 611 | M113/30-0916 | ISA-7765-00002984 | Perform One Thousand Hourly (Annual) Testing of Propulsion Diesel Engine, Cold Start System                            |
| 612 | M113/30-0917 | ISA-7765-00002985 | Perform One Thousand Hourly (Annual) Testing of Propulsion Diesel Engine, Engine Coolant System Fluid Level Monitoring |
| 613 |              |                   | Perform Three Thousand Hourly (Two Annual) Testing of Propulsion Diesel Engine, Vertical Shock Buffer                  |

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| M113/30-0918 | ISA-7765-00002986 | Perform Three Thousand Hourly (Two Annual) Testing of Propulsion Diesel Engine, Horizontal Shock Buffer                       |
| M113/30-0919 | ISA-7765-00004188 | Perform , Functional Test on the Engine Control System, ECS 1163/S                                                            |
|              |                   | Perform , Testing of Engine Control System, ECS 1163/S - Manual Operating Mode Switching                                      |
|              |                   | Perform , Cleaning of the Propulsion Diesel Engine - Air Intake Drain Lines                                                   |
| M113/30-1102 | ISA-7765-00004192 | Perform One Thousand Hourly (Annual) Cleaning of Propulsion Diesel Engine, Raw Water Filter                                   |
|              |                   | Perform One Thousand Hourly (Annual) Cleaning of Propulsion Diesel Engine, Start Pilot Filter                                 |
| M113/30-1106 | ISA-7765-00002991 | Perform One Thousand Hourly (Annual) Cleaning of Propulsion Diesel Engine, Engine Oil Disc-Pack Filter                        |
|              |                   | Perform Five Hundred Hourly (Six Monthly) Service and Oil Change on the Main Engine                                           |
|              |                   | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Coupling on Governor Linkage                    |
| M113/30-1502 | ISA-7765-00002994 | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Emergency Air Shut-Off Flaps                    |
| M113/30-1503 | ISA-7765-00002995 | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Sequential Turbocharging System Control Linkage |
| M113/30-1504 | ISA-7765-00002996 | Perform One Thousand Hourly (Annual) Lubrication of Propulsion Diesel Engine, Cold Start System Compressor                    |
| M113/30-     | ISA-7765-         | Perform , Filling of the Propulsion Diesel Engine - Engine Oil System                                                         |

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| 2601         | 00004194          |                                                                                                                        |
| M113/30-2602 | ISA-7765-00004196 | Perform , Replenishing of the Propulsion Diesel Engine - Engine Coolant                                                |
| M113/30-3601 | ISA-7765-00002997 | Perform Five Hundred Hourly (Six Monthly) Sampling of Engine Oil for Analysis                                          |
| M113/30-3703 | ISA-7765-00004198 | Perform , Drain/Purge of the Fuel System of the Propulsion Diesel Engine                                               |
| M113/30-3704 | ISA-7765-00004276 | Perform , Draining of Engine Coolant of Propulsion Diesel Engine                                                       |
| M113/30-3705 | ISA-7765-00004200 | Perform , Drain/Purge of Propulsion Diesel Engine - Compressed Air System                                              |
| M113/30-4601 | ISA-7765-00004204 | Perform Preservative Maintenance on the Propulsion Diesel Engine - Extended Shutdown (One to Three Months)             |
|              |                   | Perform , Replacement of the Propulsion Diesel Engine - Crankcase Safety Valve                                         |
| M113/30-4602 | ISA-7765-00004206 | Perform , Replacement of the Propulsion Diesel Engine - Miltac Microswitch                                             |
|              |                   | Perform , Replacement of the Propulsion Diesel Engine - Delivery Valve (Oil Pump)                                      |
| M113/30-4631 | ISA-7765-00002998 | Perform Five Hundred Hourly (Six Monthly) Remove and Replace of Propulsion Diesel Engine, Piston Cooling Oil Filter    |
| M113/30-4632 | ISA-7765-00004130 | Perform One Thousand Hourly (Annual) Remove and Replace of Propulsion Diesel Engine, Fuel Pre-Filter Elements          |
| M113/30-4633 | ISA-7765-00002999 | Perform One Thousand Hourly (Annual) Remove and Replace of Propulsion Diesel Engine,                                   |
| M145/13-0609 | ISA-7765-00005219 | Perform One Hundred Hourly (Monthly) Inspection of Propulsion Diesel Engine STB, Exhaust System - Textile Compensators |

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| M145/13-0612 | ISA-7765-00005220 | Perform One Hundred Hourly (Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks |
|              |                   | Perform One Hundred Hourly (Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Textile Compensators                                           |
| M145/13-0614 | ISA-7765-00005222 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Stainless Steel Compensators for Rupture                 |

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| M145/13-0617 | ISA-7765-00004131 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System- Flexible Supports (Wire Isolators)                            |
| M145/13-0618 | ISA-7765-00005223 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Injector Nozzles                                             |
| M145/13-0619 | ISA-7765-00005224 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Seawater Regulation Valves (Electronic Control Valves)       |
| M145/13-0620 | ISA-7765-00005225 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine STB, Exhaust System - Seawater Supply                                              |
| M145/13-0624 | ISA-7765-00005226 | Perform One Hundred Hourly (Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks |
| M145/13-0626 | ISA-7765-00005227 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine PORT, Exhaust System - Drainage System                                          |
| M145/13-0627 | ISA-7765-00003108 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine PORT, Exhaust System - Sensors                                                  |
| M145/13-0628 | ISA-7765-00005228 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System- Flexible Supports (Wire Isolators)                           |
| M145/13-0630 | ISA-7765-00005229 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Seawater Regulation Valves (Electronic Control Valves)      |
| M145/13-0631 | ISA-7765-00005230 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Seawater Supply                                             |

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| 653 |             | M145/13-0675 | ISA-7765-00005231 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine STB, Exhaust System - Drainage System                           |
| 654 |             | M145/13-0676 | ISA-7765-00003109 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Propulsion Diesel Engine STB, Exhaust System - Sensors                                   |
| 655 |             | M145/13-0677 | ISA-7765-00005232 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Stainless Steel Compensators for Rupture |
| 656 |             | M145/13-0678 | ISA-7765-00005233 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Diesel Engine PORT, Exhaust System - Injector Nozzles                            |
| 657 |             | M145/13-1105 | ISA-7765-00003110 | Perform One Hundred and Fifty Hourly Cleaning of the Propulsion Diesel Engine PORT, Exhaust System - Sensors and Switches                              |
| 658 |             | M145/13-1106 | ISA-7765-00003111 | Perform One Hundred and Fifty Hourly Cleaning of the Propulsion Diesel Engine PORT, Exhaust System - Injector Nozzles                                  |
| 659 |             | M145/13-1107 | ISA-7765-00003112 | Perform Hundred and Fifty Hourly Cleaning of the Propulsion Diesel Engine STB, Exhaust System - Sensors and Switches                                   |
| 660 |             |              |                   | Perform Hundred and Fifty Hourly Cleaning of the Propulsion Diesel Engine STB, Exhaust System - Injector Nozzles                                       |
| 661 | 2330003A004 | M113/30-0905 | ISA-7765-00005060 | Perform , Functional Test of the Propulsion Diesel Engine - Bypass Oil Filter, Changeover Valve - Operational Setting                                  |
| 662 | 2330004A004 | M113/30-     | ISA-7765-         | Perform , Functional Test of the Propulsion Diesel Engine - Bypass Oil                                                                                 |

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|     |         | Bypass Filter, Propulsion Diesel Engine (Port) | 0905         | 00005061          | Filter, Changeover Valve - Operational Setting                                                                                 |
| 663 | 2330005 | Leak-Off Fuel System, Starboard                | M113/30-0613 | ISA-7765-00005054 | Perform, Inspection of the Propulsion Diesel Engine - Leak-off Fuel Indicator                                                  |
| 664 | 2330006 | Leak-Off Fuel System, Port                     | M113/30-0613 | ISA-7765-00005055 | Perform, Inspection of the Propulsion Diesel Engine - Leak-off Fuel Indicator                                                  |
| 665 | 2330007 | Coolant System, Starboard                      | M113/30-2603 | ISA-7765-00005066 | Perform, Filling of the of the Propulsion Diesel Engine - Engine Coolant System                                                |
| 666 |         |                                                | M113/30-3704 | ISA-7765-00005068 | Perform, Draining of Engine Coolant of Propulsion Diesel Engine                                                                |
| 667 |         | Coolant System, Port                           | M113/30-2603 | ISA-7765-00005067 | Perform, Filling of the of the Propulsion Diesel Engine - Engine Coolant System                                                |
| 668 |         |                                                | M113/30-3704 | ISA-7765-00005069 | Perform, Draining of Engine Coolant of Propulsion Diesel Engine                                                                |
| 669 |         |                                                | M113/30-0021 | ISA-7765-00005048 | Perform, Maintenance on the Control System Diesel Engine - Cable Connections                                                   |
| 670 | 2330008 | Control System Diesel Engine, Starboard        | M113/30-0022 | ISA-7765-00005050 | Perform, Opening of the Control System, Diesel Engine - Engine Terminal Box ETB 2F and Disconnecting Terminal Strip Connectors |
| 671 |         |                                                | M113/30-0616 | ISA-7765-00005056 | Perform, Visual Inspections of the Control System, Diesel Engine                                                               |
| 672 |         |                                                | M113/30-1101 | ISA-7765-00005062 | Perform, Cleaning of the Control System Diesel Engine                                                                          |
| 673 |         |                                                |              |                   | Perform, Diagnostic Procedure on Engine Control System, ECS 1163/S for Faulty Shut Down Air Flap Limit Switch                  |

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| 674 |             |                                            | M113/30-4603 | ISA-7765-00005070 | Perform , Replacement of the Control System, Diesel Engine - Temperature Sensors PT1000                                         |
| 675 | 2330009A004 | Starter Box, Sue-Vsp Lube Oil Priming Pump | M371/60-0911 | ISA-7765-00003262 | Perform Two Thousand Hourly (Two Annual) Test of the Cooling Fan Control Unit - Motor Protection Switch                         |
| 676 | 2330010     | Control System Diesel Engine, Port         | M113/30-0021 | ISA-7765-00005049 | Perform , Maintenance on the Control System Diesel Engine - Cable Connections                                                   |
| 677 |             |                                            |              |                   | Perform , Opening of the Control System, Diesel Engine - Engine Terminal Box ETB 2F and Disconnecting Terminal Strip Connectors |
| 678 |             |                                            | M113/30-0616 | ISA-7765-00005057 | Perform , Visual Inspections of the Control System, Diesel Engine                                                               |
| 679 |             |                                            | M113/30-1101 | ISA-7765-00005063 | Perform , Cleaning of the Control System Diesel Engine                                                                          |
| 680 |             |                                            |              |                   | Perform , Diagnostic Procedure on Engine Control System, ECS 1163/S for Faulty Shut Down Air Flap Limit Switch                  |
| 681 |             |                                            | M113/30-4603 | ISA-7765-00005071 | Perform , Replacement of the Control System, Diesel Engine - Temperature Sensors PT1000                                         |
| 682 | 2330010A004 | Starter Box, Sue-Vsp Lube Oil Priming Pump | M371/60-0911 | ISA-7765-00003263 | Perform Two Thousand Hourly (Two Annual) Test of the Cooling Fan Control Unit - Motor Protection Switch                         |
| 683 | 2330011     | Starting System, Starboard                 | M113/30-0617 | ISA-7765-00005058 | Perform , Inspection of the Propulsion Diesel Engine - Three-Way Solenoid Valve                                                 |
| 684 | 2330012     | Starting System, Port                      | M113/30-0617 | ISA-7765-00005059 | Perform , Inspection of the Propulsion Diesel Engine - Three-Way Solenoid Valve                                                 |
| 685 | 2330016     | Local Operating Panel Diesel Engine, Port  | M113/30-0023 | ISA-7765-00005053 | Perform , Inspecting and Repairing of the Local Operating Panel Diesel Engine - Cabling                                         |

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| 686 | 2330100     | Sound Proof Capsule, Propulsion Diesel Engine | M146/2-0001 | ISA-7765-00003173 | Perform Annual Inspection and Lubrication of the Acoustic Enclosure - Door                       |
| 687 |             |                                               | M146/2-0004 | ISA-7765-00003174 | Perform Four Monthly Leak Test of the Air-Water-Cooling Plant - Heat Exchanger Leakage Test      |
| 688 |             |                                               | M146/2-0006 | ISA-7765-00003175 | Perform Eight Monthly Inspection of the Air-Water-Cooling Plant - Filters and Strainers          |
| 689 |             |                                               | M146/2-0007 | ISA-7765-00003176 | Perform Six Monthly Test of the Air-Water-Cooling Plant - Cooling Capacity Test                  |
| 690 |             |                                               | M146/2-0008 | ISA-7765-00003177 | Perform Annual Check of the Push Travel Trolley - Wheels And Screw Connection                    |
| 691 |             |                                               | M146/2-0009 | ISA-7765-00003178 | Perform Eight Monthly Test of the Acoustic Enclosure, Back Pressure Flap - Functionality         |
| 692 |             |                                               | M146/2-0601 | ISA-7765-00003179 | Perform Eight Monthly Inspection of the Acoustic Enclosure - Door Seal                           |
| 693 |             |                                               | M146/2-0602 | ISA-7765-00003794 | Perform Eight Monthly Inspection of the Acoustic Enclosure - Coupling Guard Seal                 |
| 694 |             |                                               |             |                   | Perform Four Monthly Inspection of the Air-Water-Cooling Plant - Contamination of Heat Exchanger |
| 695 |             |                                               | M146/2-0605 | ISA-7765-00003180 | Perform Annual Inspection of the Acoustic Enclosure, Shock Mounts                                |
| 696 |             |                                               | M146/2-1101 | ISA-7765-00003181 | Perform Annual Cleaning of the Air-Water-Cooling Plant - Heat Exchanger                          |
| 697 |             |                                               | M146/2-1501 | ISA-7765-00003797 | Perform Four Monthly Lubrication of the Push Travel Trolley - Wheels                             |
| 698 | 2330100A030 | Co2 Double Module Fire Extinguishing          | M146/2-0003 | ISA-7765-00003793 | Perform Six Monthly Test of the CO2 Fire Extinguishing System                                    |
| 699 |             |                                               | M146/2-     | ISA-7765-         | Perform Annual Test/Set To Work of the CO2 Fire Extinguishing                                    |

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| 700 |             |                               | 0901              | 00003796          | System | Perform Three Monthly Vibration Measuring on Measuring Points of 'Gas Turbine' Data Collection Route                                                                                                                                 |
| 701 | 2340        | Propulsion Gas Turbines, Main | M583/11-0005      | ISA-7765-00005326 |        | Perform , Cleaning or Replacement of the Sea Water Cooling System - Engine Room Air Coolers F1, F2, G1,G2, H1, J1, Propulsion Diesel Capsule Coolers and Lubrication Oil Cooler Starting Air Compressor GT - Seawater Filter Inserts |
| 702 |             |                               | M115/1-0004       | ISA-7765-00003007 |        | Perform Eleven Hourly (Two Weekly) Maintenance on the Gas Turbine System LM2500 - Level 4 Tasks                                                                                                                                      |
| 703 |             |                               | M115/1-0005       | ISA-7765-00003008 |        | Perform Twenty Five Hourly (Monthly) Maintenance on the Gas Turbine System LM2500 - Level 5 Tasks                                                                                                                                    |
| 704 |             |                               | M115/1-0006       | ISA-0000011723    |        | Perform Seventy Six Hourly (Three Monthly) Maintenance of the Gas Turbine and Module - Level 3 Tasks                                                                                                                                 |
| 705 |             |                               |                   |                   |        | Perform One Hundred and Fifty Hourly (Six Monthly) Maintenance of the Gas Turbine and Module - Level 7 Tasks                                                                                                                         |
| 706 |             |                               |                   |                   |        | Perform Three Hundred and Five Hourly (Annual) Maintenance of the Gas Turbine and Module - Level 8 Tasks                                                                                                                             |
| 707 | M115/1-0013 |                               | ISA-7765-00004218 |                   |        | Perform , Inspection of the Gas Turbine - Operational Checkout                                                                                                                                                                       |
| 708 | M115/1-0014 |                               | ISA-7765-00004219 |                   |        | Perform , Maintenance of the Gas Turbine Module - Water-Wash (WP 137 00)                                                                                                                                                             |
| 709 |             |                               |                   |                   |        | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection and Cleaning of Lube Oil and Scavenge Pump Inlet Screens of Propulsion Gas Turbine LM2500                                                                              |
| 710 | M115/1-0017 |                               | ISA-0000012233    |                   |        | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection and Cleaning of Spark Igniters of Propulsion Gas Turbine LM2500                                                                                                        |

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| M115/1-0018 | ISA-7765-00005242 | Perform Six Hourly (Weekly) Inspection and Cleaning of the Gas Turbine System, Micronet Control System - Air Filters                                      |
| M115/1-0019 | ISA-7765-00005243 | Perform Six Hourly (Weekly) Inspection and Cleaning of the Gas Turbine System, Micronet Control System - Ventilators (Fans)                               |
| M115/1-0020 | ISA-7765-00003012 | Perform Three Hundred and Five Hourly (Annual) Inspection and Cleaning of the Gas Turbine System, Module - Oil-to-Oil Heat Exchanger                      |
| M115/1-0601 | ISA-7765-00004220 | Perform , Inspection and Repair on Tubes, Hoses, Tube/Hose Fittings, Electrical Cable Assemblies & Electrical Connectors on Propulsion Gas Turbine LM2500 |
| M115/1-0602 | ISA-7765-00004221 | Perform , Inspection and Repair on Transfer Gearbox of Propulsion Gas Turbine LM2500                                                                      |
| M115/1-0604 | ISA-7765-00004222 | Perform , Inspection and Repair on Compressor Stator Casing and Variable Vane Components of Propulsion Gas Turbine LM2500                                 |
| M115/1-0606 | ISA-7765-00003013 | Perform Twenty Five Hourly (Two Weekly) Inspection (Leaks) of Exterior of Propulsion Gas Turbine LM2500                                                   |
| M115/1-0607 | ISA-7765-00003014 | Perform Twenty Five Hourly (Two Weekly) Inspection of Vibration Accelerometers of Propulsion Gas Turbine LM2500                                           |
| M115/1-0608 | ISA-7765-00005244 | Perform Seventy Six Hourly (Three Monthly) Inspection of External Fittings of Propulsion Gas Turbine LM2500                                               |
| M115/1-0609 | ISA-0000011727    | Perform Seventy Six Hourly (Three Monthly) Inspection of Gearbox Mounts and Accessories of Propulsion Gas Turbine LM2500                                  |
| M115/1-0610 | ISA-0000011728    | Perform Seventy Six Hourly (Three Monthly) Inspection of Compressor Variable Stator Vane Actuator System on Propulsion Gas Turbine LM2500                 |
| M115/1-0611 | ISA-0000011729    | Perform Seventy Six Hourly (Three Monthly) Inspection and Adjustment of Actuation Ring Spacers of Propulsion Gas Turbine LM2500                           |
| M115/1-0612 | ISA-7765-00003015 | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection (Condition and Security) of Mounts of Propulsion Gas Turbine LM2500                         |

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| M115/1-0613 | ISA-7765-00003016 | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection of Compressor Inlet of Propulsion Gas Turbine LM2500                                          |
| M115/1-0614 | ISA-7765-00003017 | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection of Exterior of the Gas Generator (GG) and Power Turbine (PT) of Propulsion Gas Turbine LM2500 |
| M115/1-0007 | ISA-7765-00003009 | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection of Power Turbine Rotor Blades, Turbine Rear Frame and Vanes of Propulsion Gas Turbine LM2500  |

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| 727 |             | M115/1-0617 | ISA-7765-00003018 | Perform Three Hundred and Five Hourly (Annual) Inspection of Wiring of Propulsion Gas Turbine LM2500                                         |
| 728 |             | M115/1-0618 | ISA-7765-00005245 | Perform Seventy Six Hourly (Three Monthly) Inspection of the Gas Turbine System, Micronet Control System - Cabinet                           |
| 729 |             | M115/1-0619 | ISA-7765-00003019 | Perform Three Hundred and Five Hourly (Annual) Inspection of the Gas Turbine System, Micronet Control System - Screw Terminals               |
| 730 |             | M115/1-0620 | ISA-7765-00003020 | Perform Six Hourly (Weekly) Inspection of the Gas Turbine System, Module - Lube Oil Level                                                    |
| 731 |             | M115/1-0621 | ISA-7765-00003021 | Perform Six Hourly (Weekly) Inspection of the Gas Turbine System, Module - Differential Pressure                                             |
| 732 |             | M115/1-0622 | ISA-7765-00003022 | Perform Twenty Five Hourly (Two Weekly) Inspection of the Gas Turbine System, Module - Protective Intake Grille                              |
| 733 |             | M115/1-0623 | ISA-0000012172    | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection of the Gas Turbine System, Module - Mounts, Pull Rods and Pivot Bearings       |
| 734 |             | M115/1-0624 | ISA-7765-00005246 | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection of the Gas Turbine System, Module Fuel System - Piping and Connections         |
| 735 |             | M115/1-0625 | ISA-7765-00005247 | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection of the Gas Turbine System, Module Lube Oil System - Piping and Connections     |
| 736 |             | M115/1-0626 | ISA-7765-00005248 | Perform One Hundred and Fifty Hourly (Six Monthly) Inspection of the Gas Turbine System, Module - Moulded Insulating Parts (Exhaust Housing) |
| 737 | 2340001A001 | M115/1-0627 | ISA-7765-00005249 | Perform Three Hundred and Five Hourly (Annual) Inspection of the Gas Turbine System, Module - Resilient Coupling Shaft                       |

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| M115/1-0628 | ISA-7765-00005250 | Module - Screen Tube                                                                                                                         |
| M115/1-0701 | ISA-0000012175    | Perform One Hundred and Fifty Hourly (Six Monthly) Overhaul of Flame Arrestor of Propulsion Gas Turbine LM2500, Fire Extinguishing System    |
| M115/1-0902 | ISA-7765-00003182 | Perform Eleven Hourly (Two Weekly) Testing of Low and High Speed on Propulsion Gas Turbine LM2500                                            |
| M115/1-0903 | ISA-7765-00003043 | Perform Twenty Five Hourly (Two Weekly) Sampling and Testing of Lube Oil of Propulsion Gas Turbine LM2500                                    |
| M115/1-0904 | ISA-7765-00003044 | Perform Six Hourly (Weekly) Testing of the Gas Turbine System, Micronet Control System - Lamps                                               |
| M115/1-0905 | ISA-7765-00005251 | Perform Twenty Five Hourly (Two Weekly) Testing of the Gas Turbine System, Micronet Control System - No 1 and 2 Fuel Shutoff Valve Operation |
| M115/1-0906 | ISA-7765-00005252 | Perform Twenty Five Hourly (Two Weekly) Testing of the Gas Turbine System, Micronet Control System - Power Turbine (PT) Overspeed Switch     |
|             |                   | Perform Twenty Five Hourly (Two Weekly) Testing of the Gas Turbine System, Micronet Control System - Ignition System                         |
| M115/1-0908 | ISA-7765-00005879 | Perform Seventy Six Hourly (Three Monthly) Testing of the Gas Turbine System, Micronet Control System - Module Damper                        |
| M115/1-     | ISA-7765-         | Perform Seventy Six Hourly (Three Monthly) Testing of the Gas Turbine                                                                        |

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| 0909        | 00005880          | System, Micronet Control System - Module Ventilator (Fan)                                                                                |
| M115/1-0910 | ISA-7765-00005253 | Perform Seventy Six Hourly (Three Monthly) Testing of the Gas Turbine System, Micronet Control System - Brake                            |
| M115/1-0911 | ISA-7765-00005254 | Perform Seventy Six Hourly (Three Monthly) Testing of the Gas Turbine System, Micronet Control System - Fuel Purge Valve                 |
| M115/1-0912 | ISA-7765-00005255 | Perform Seventy Six Hourly (Three Monthly) Testing of the Gas Turbine System, Micronet Control System - Compressor Air Bleed Valve       |
| M115/1-0913 | ISA-7765-00005256 | Perform Seventy Six Hourly (Three Monthly) Testing of the Gas Turbine System, Micronet Control System - Emergency Shut Down (ESD)        |
| M115/1-0914 | ISA-7765-00005257 | Perform Seventy Six Hourly (Three Monthly) Testing of the Gas Turbine System, Micronet Control System - Normal Start and Stop Procedures |
| M115/1-0915 | ISA-7765-00005881 | Perform One Hundred and Fifty Hourly (Six Monthly) Testing of the Gas Turbine System, Module - Partition Wall Compensator                |
| M115/1-0916 | ISA-7765-00005258 | Perform One Hundred and Fifty Hourly (Six Monthly) Testing of the Gas Turbine System, Module - Flap Louvre                               |
| M115/1-1101 | ISA-7765-00005259 | Perform Six Hourly (Weekly) Cleaning of Propulsion Gas Turbine LM2500                                                                    |
| M115/1-1103 | ISA-7765-00005260 | Perform Twenty Five Hourly (Two Weekly) Cleaning of UV-Flame Detector of Propulsion Gas Turbine LM2500, Fire Extinguishing System        |
|             |                   | Perform One Hundred and Fifty Hourly (Six Monthly) Cleaning of the Gas Turbine System, Module - Protective Intake Grille                 |

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| 758 | M115/1-1801  | ISA-7765-00004223 | Perform , Adjustment of the Variable Stator Vane Mechanism (WP 101 00)                                                                                              |
| 759 |              |                   | Perform , Adjustment of the Gas Turbine System LM2500 - Pneumatic Starter (SWP 117 01)                                                                              |
| 760 | M115/1-2601  | ISA-7765-00004225 | Perform , Replenishment of the Gas Turbine Module - Lube Oil                                                                                                        |
| 761 |              |                   | Perform Twenty Five Hourly (Two Weekly) Draining of the Gas Turbine System, Module - Lube Oil Filter Oil Sludge                                                     |
| 762 | M115/1-4612  | ISA-7765-00004226 | Perform , Replacement of the Gas Turbine Module - Fuel Filter (SWP 110 01)                                                                                          |
| 763 | M115/1-4638  | ISA-7765-00004227 | Perform , Replacement of the Gas Turbine Module - Lube Oil Filter Change Over                                                                                       |
| 764 |              |                   | Perform , Replacement of the Gas Turbine Module - Lube Oil Filter                                                                                                   |
| 765 | M115/1-4639  | ISA-7765-00004228 | Perform One Hundred and Fifty Hourly (Six Monthly) Replacement of Hydraulic Pump Filter Element of Propulsion Gas Turbine LM2500                                    |
| 766 |              |                   | Perform Three Hundred and Five Hourly (Annual) Replacement of Gas Generator Fuel Filter Element of Propulsion Gas Turbine LM2500                                    |
| 767 | M115/1-4642  | ISA-7765-00005261 | Perform One Hundred and Fifty Hourly (Six Monthly) Remove and Replace of the Gas Turbine System, Module - Lube Oil Filter                                           |
| 768 | M145/13-0602 | ISA-7765-00005262 | Perform One Hundred Hourly (Two Monthly) Inspection of the Propulsion Gas Turbine, Exhaust System - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks |
| 769 | M145/13-0603 | ISA-7765-00005263 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Propulsion Gas Turbine, Exhaust System - Drainage System                                              |

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| 770 |         |                                                | M145/13-0604 | ISA-7765-00005264 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Propulsion Gas Turbine, Exhaust System - Sensors                                                                                                            |
| 771 |         |                                                | M145/13-0605 | ISA-7765-00003048 | Perform Six Hundred (Six Monthly) Inspection of the Propulsion Gas Turbine, Exhaust System - Flexible Supports (Wire Isolators)                                                                                           |
| 772 |         |                                                | M145/13-0606 | ISA-7765-00003049 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Gas Turbine, Exhaust System - Injector Nozzles                                                                                                      |
| 773 |         |                                                | M145/13-0607 | ISA-7765-00003050 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Propulsion Gas Turbine, Exhaust System - Seawater Regulating Valves (Electronic Control Valves)                                                                |
| 774 | 2340009 | Fire Extinguishing System, Gas Turbine Capsule | M115/1-4601  | ISA-7765-00003023 | Perform Four Annual Replacement of the Fire Extinguishing System, Gas Turbine Capsule - Single Shot Cartridge in the Electric/Pneumatic Actuator                                                                          |
| 775 |         |                                                | M583/11-0003 | ISA-7765-00005321 | Perform , Cleaning or Replacement of the Sea Water Cooling System - Main and Cross Gearboxes, Fin Stabilizer, CPP, Hydraulic Oil Power Packs and Shaft Bearings - Seawater Filter Inserts                                 |
| 776 | 240     | Transmission and Propulsion Systems            | M583/11-0004 | ISA-7765-00005323 | Perform , Cleaning or Replacement of the Sea Water Cooling System - GT Gearbox, WJ Shaft Bearings, Filter/oil Cooler Set for TBB, WJ Shaft Seal & Water Supply for Abracket Bearings for Trails - Seawater Filter Inserts |
| 777 |         |                                                | M121/10-0604 | ISA-7765-00003024 | Perform Annual Inspection of the Gas Turbine Gearbox - Oil Cooler Anodes - Corrosion                                                                                                                                      |
| 778 | 2410    | Propulsion Reduction Gears                     |              |                   | Perform Two Annual Removal and Replacement of the Main Gearbox & Cross Connected Gearbox - Oil Cooler - Hand and Guard Rails                                                                                              |
| 779 |         |                                                | M121/11-     | ISA-7765-         | Perform Two Annual Removal and Replacement of the Main Gearbox &                                                                                                                                                          |

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| 792 |             |                     | M121/11-4605 | ISA-7765-00004242 | Perform , Replacement of the Main Gearbox - Brake Pads                                                                               |
| 793 |             |                     | M121/11-4606 | ISA-7765-00004244 | Perform Two Annual Replacement of the Main Gearbox - Buffer Battery                                                                  |
| 794 |             |                     |              |                   | Perform Six Annual Lubrication of the Main Gearbox - Motor Type ANGA 100 LB-04 - Graese                                              |
| 795 |             |                     | M121/11-0016 | ISA-7765-00001990 | Perform Two Annual Removal and Replacement of the Main Gearbox & Cross Connected Gearbox - Oil Cooler - Hand and Guard Rails         |
| 796 |             |                     | M121/11-0017 | ISA-7765-00001991 | Perform Two Annual Removal and Replacement of the Main Gearbox & Cross Connected Gearbox - Oil Cooler - Electric Motors and Fittings |
| 797 |             |                     | M121/11-0018 | ISA-7765-00001992 | Perform Two Annual Removal and Replacement of the Main Gearbox & Cross Connected Gearbox - Oil Cooler - Pipes                        |
| 798 |             |                     | M133/20-0001 | ISA-7765-00002006 | Perform Two Annual Removal and Replacement of the Shaft Bearing - Cooler Assembly - Hand and Guard Rails                             |
| 799 |             |                     | M133/20-0002 | ISA-7765-00002005 | Perform Two Annual Removal and Replacement of the Shaft Bearing - Cooler Assembly - Pipes                                            |
| 800 |             |                     | M133/20-1102 | ISA-7765-00002003 | Perform Two Annual Removal and Replacement of the Shaft Bearing - Cooler Assembly - Electric Motor and Fittings                      |
| 801 |             |                     | M121/11-0003 | ISA-0000010463    | Perform Four Monthly Inspection and Cleaning of the Main Gearbox & Cross Connected Gearbox - Tube side of Oil Cooler                 |
| 802 |             |                     | M121/11-0004 | ISA-7765-00003030 | Perform Four Annual Inspection of the Main Gearbox & Cross Connected Gearbox - Tothing of the Gear Unit (Cross Connect)              |
| 803 |             |                     |              |                   | Perform Four Annual Inspection of the Main Gearbox & Cross Connected Gearbox - Tothing of the Gear Unit (Main Gearbox)               |
| 804 | 2410002A001 | Main Gear Box, Port | M121/11-0610 | ISA-7765-00003032 | Perform Annual Inspection of the Main Gearbox & Cross Connected Gearbox - Anode on Oil Cooler                                        |

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| 805 |             |                                                                    | M121/11-1501 | ISA-7765-00003033 | Perform One Hundred Hourly (Weekly) Lubrication of the Main Gearbox & Cross Connected Gearbox - DE Input, Output and CCG Brake Shaft |
| 806 |             |                                                                    | M121/11-1502 | ISA-7765-00005291 | Perform Eight Monthly Lubrication of the Main Gearbox & Cross Connected Gearbox - Turning Gear Unit by Grease Nipple                 |
| 807 |             |                                                                    | M121/11-3601 | ISA-7765-00005292 | Perform Annual Draw of an Oil Sample From Gearbox Unit of the Main Gearbox & Cross Connected Gearbox - Analysis                      |
| 808 |             |                                                                    | M121/11-4601 | ISA-7765-00004235 | Perform Six Annual Replacement of the Main Gearbox, Turning Gear Unit - Grease                                                       |
| 809 |             |                                                                    | M121/11-4605 | ISA-7765-00004241 | Perform , Replacement of the Main Gearbox - Brake Pads                                                                               |
| 810 |             |                                                                    |              |                   | Perform Two Annual Replacement of the Main Gearbox - Buffer Battery                                                                  |
| 811 |             |                                                                    |              |                   | Perform Six Annual Lubrication of the Main Gearbox - Motor Type ANGA 100 LB-04 - Grease                                              |
| 812 | 2410003A001 | Lubrication Oil Pump, Main Gearbox, Electrically Driven, Starboard | M121/11-0009 | ISA-7765-00003659 | Perform Two Annual Maintenance of the Main Gearbox & Cross Connected Gearbox - L2NG 82/140 Pump                                      |
| 813 | 2410003A003 | Three Phase Motor, Lube Oil Pump                                   | M121/11-0015 | ISA-7765-00001849 | Perform Six Annual Replacement of the Main Gearbox & Cross Connected Gearbox, Lube Oil Pump - Electric Motor - Grease                |
| 814 | 2410003A004 | Three Phase Motor,                                                 | M121/11-     | ISA-7765-         | Perform Six Annual Replacement of the Main Gearbox & Cross Connected                                                                 |

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|     |             | Control Oil Pump,<br>Starboard                               | 4604             | 00004239              | Gearbox, Control Oil Pump - Electric Motor - Grease                                                                   |
| 815 |             |                                                              | M121/11-<br>0019 | ISA-7765-<br>00001988 | Perform Two Annual Removal and Replacement of the Main Gearbox & Cross Connected Gearbox - Oil Cooler                 |
| 816 |             |                                                              | M121/11-<br>1103 | ISA-7765-<br>00001854 | Perform Two Annual Cleaning of the Main Gearbox & Cross Connected Gearbox - Oil Cooler                                |
| 817 |             |                                                              | M121/11-<br>3401 | ISA-7765-<br>00001989 | Perform Two Annual Painting of the Main Gearbox & Cross Connected Gearbox - Oil Cooler                                |
| 818 | 2410003A009 | Seawater,<br>Lubrication<br>Cooler,<br>Gearbox,<br>Starboard |                  |                       | Perform , Preservation of the Main Gear Box - Oil Cooler Stand Still Period Greater than 2 Weeks                      |
| 819 |             |                                                              | M121/11-<br>4607 | ISA-7765-<br>00005074 | Perform , Replacement of the Main Gearboxes and Cross-Connect Gearbox (CCG), Oil Cooler - Anodes                      |
| 820 |             |                                                              | M133/20-<br>0003 | ISA-7765-<br>00001999 | Perform Two Annual Removal and Replacement of the Shaft Bearing - Cooler Assembly                                     |
| 821 |             |                                                              | M133/20-<br>3401 | ISA-7765-<br>00001997 | Perform Two Annual Painting of the Shaft Bearing - Cooler Assembly                                                    |
| 822 | 2410003A016 |                                                              |                  |                       | Perform , Overhaul of the Built on Lubrication Oil Pump, Main Gearbox (Starboard) - Pump L3MG 112/190                 |
| 823 |             |                                                              |                  |                       | Perform , Overhaul of the Main Gearbox - Pump L3MG 70/112                                                             |
| 824 | 2410003A017 | Built On Control Oil<br>Pump, HP                             | M121/11-<br>0701 | ISA-7765-<br>00004232 | Perform Two Annual Maintenance of the Main Gearbox & Cross Connected Gearbox - L2NG 82/114 Pump                       |
| 825 |             |                                                              |                  |                       | Perform Six Annual Replacement of the Main Gearbox & Cross Connected Gearbox, Lube Oil Pump - Electric Motor - Grease |

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| 826 | 2410004A004 | Three Phase Motor,<br>Control Oil Pump,<br>Port | M121/11-<br>4604 | ISA-7765-<br>00004238 | Perform Six Annual Replacement of the Main Gearbox & Cross Connected<br>Gearbox, Control Oil Pump - Electric Motor - Grease |
| 827 |             |                                                 | M121/11-<br>0019 | ISA-7765-<br>00001993 | Perform Two Annual Removal and Replacement of the Main Gearbox &<br>Cross Connected Gearbox - Oil Cooler                    |
| 828 |             |                                                 | M121/11-<br>1103 | ISA-7765-<br>00001855 | Perform Two Annual Cleaning of the Main Gearbox & Cross Connected<br>Gearbox - Oil Cooler                                   |
| 829 |             |                                                 | M121/11-<br>3401 | ISA-7765-<br>00001994 | Perform Two Annual Painting of the Main Gearbox & Cross Connected<br>Gearbox - Oil Cooler                                   |
| 830 |             | Seawater<br>Lubrication Oil                     |                  |                       | Perform , Preservation of the Main Gear Box - Oil Cooler Stand Still Period                                                 |
| 831 | 2410004A009 | Cooler, Main<br>Gearbox, Port                   | M121/11-<br>4607 | ISA-7765-<br>00005075 | Perform , Replacement of the Main Gearboxes and Cross-Connect<br>Gearbox (CCG), Oil Cooler - Anodes                         |

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| 832 |             |                               | M133/20-0003 | ISA-7765-00002004 | Perform Two Annual Removal and Replacement of the Shaft Bearing - Cooler Assembly                                                                   |
| 833 |             |                               | M133/20-3401 | ISA-7765-00002002 | Perform Two Annual Painting of the Shaft Bearing - Cooler Assembly                                                                                  |
| 834 | 2410004A016 |                               |              |                   | Perform , Overhaul of the Built on Lubrication Oil Pump, Main Gearbox (Port) - Pump L3MG 100/172                                                    |
| 835 |             |                               | M121/11-0701 | ISA-7765-00004231 | Perform , Overhaul of the Main Gearbox - Pump L3MG 70/112                                                                                           |
| 836 |             |                               |              |                   | Perform Four Monthly Inspection and Cleaning of the Main Gearbox & Cross Connected Gearbox - Tube side of Oil Cooler                                |
| 837 |             |                               | M121/11-0004 | ISA-7765-00003038 | Perform Four Annual Inspection of the Main Gearbox & Cross Connected Gearbox - Tothing of the Gear Unit (Cross Connect)                             |
| 838 |             |                               | M121/11-0601 | ISA-7765-00004132 | Perform Annual Inspection of the Main Gearbox & Cross Connected Gearbox - Brake Linings for Wear                                                    |
| 839 |             |                               | M121/11-0602 | ISA-7765-00001903 | Perform Two Annual Inspection of the Main Gearbox & Cross Connected Gearbox - Tightness of all the Foundation and Connection Screws (Cross Connect) |
| 840 |             | Built On Control Oil Pump, HP | M121/11-0606 | ISA-0000011691    | Perform Eight Monthly Inspection and Cleaning of the Main Gearbox & Cross Connected Gearbox - Shell side of the Oil Cooler                          |
| 841 |             |                               | M121/11-0610 | ISA-7765-00004133 | Perform Annual Inspection of the Main Gearbox & Cross Connected Gearbox - Anode on Oil Cooler                                                       |
| 842 |             |                               | M121/11-1101 | ISA-7765-00004134 | Perform Annual Cleaning of the Main Gearbox & Cross Connected Gearbox - Oil Filters of Pressure Valves                                              |
| 843 |             |                               | M121/11-1102 | ISA-7765-00004135 | Perform Annual Cleaning of the Main Gearbox & Cross Connected Gearbox - Heat Exchanger                                                              |
| 844 |             |                               | M121/11-1501 | ISA-7765-00003039 | Perform One Hundred Hourly (Weekly) Lubrication of the Main Gearbox & Cross Connected Gearbox - DE Input, Output and CCG                            |

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|     |  |  |                      |              | Brake Shaft       |                                                                                                                      |
| 845 |  |  |                      | M121/11-1502 | ISA-7765-00005294 | Perform Eight Monthly Lubrication of the Main Gearbox & Cross Connected Gearbox - Turning Gear Unit by Grease Nipple |
| 846 |  |  |                      |              |                   | Perform Annual Draw of an Oil Sample From Gearbox Unit of the Main Gearbox & Cross Connected Gearbox - Analysis      |
| 847 |  |  |                      | M121/10-0007 | ISA-7765-00001899 | Perform Two Annual Inspection of the Gas Turbine Gearbox - Tightness of all the Foundation and Connection Screws     |
| 848 |  |  |                      | M121/10-1501 | ISA-7765-00003027 | Perform One Hundred Hourly (Weekly) Lubrication of the Gas Turbine Gearbox - Output Shaft and Brake Shaft            |
| 849 |  |  | Gas Turbine Gear Box | M121/10-1502 | ISA-7765-00003028 | Perform Eight Monthly Lubrication of the Gas Turbine Gearbox - Turning Gear                                          |
| 850 |  |  |                      | M121/11-0604 | ISA-7765-00003029 | Perform Four Annual Inspection of the Gas Turbine Gearbox - Toothing of the Gear Unit                                |
| 851 |  |  |                      | M121/10-1503 | ISA-7765-00003654 | Perform Six Annual Lubrication of the Motor Type ANGA 90 LB-04C - Grease                                             |
| 852 |  |  |                      |              |                   | Perform Two Annual Removal and Replacement of the Gas Turbine Gearbox - Oil Cooler - Electric Motors                 |

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| 853 | 2410009A006 | Three Phase Motor, Turning Device | M121/10-0016 | ISA-7765-00001982 | Perform Two Annual Removal and Replacement of the Gas Turbine Gearbox - Oil Cooler - Pipes                        |
| 854 |             |                                   | M121/10-1101 | ISA-7765-00003771 | Perform Annual Cleaning of the Gas Turbine Gearbox - Pressure Relief Valve Oil Filter                             |
| 855 |             |                                   |              |                   | Perform Six Annual Replacement of the Gas Turbine Gearbox, Lube Oil Pump - Electric Motor - Grease                |
| 856 | 2410010A005 | Seawater Lubrication Oil          | M121/10-0002 | ISA-7765-00003769 | Perform Four Monthly Inspection and Cleaning of the Gas Turbine Gearbox - Tube side of Oil Cooler - Contamination |

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| 857 | Cooler, Gas Turbine Gearbox                        | M121/10-0003 | ISA-7765-00003770 | Perform Four Monthly Inspection and Cleaning of the Gas Turbine Gearbox - Shell side of Oil Cooler - Contamination |
| 858 |                                                    |              | ISA-7765-00001853 | Perform Two Annual Cleaning of the Gas Turbine Gearbox - Oil Cooler                                                |
| 859 |                                                    |              | ISA-7765-00001983 | Perform Two Annual Removal and Replacement of the Gas Turbine Gearbox - Oil Cooler                                 |
| 860 |                                                    |              | ISA-7765-00001984 | Perform Two Annual Painting of the Gas Turbine Gearbox - Oil Cooler                                                |
| 861 | Built On Lubrication Oil Pump, Gas Turbine Gearbox | M121/10-0012 | ISA-7765-00003655 | Perform Two Annual Maintenance of the Gas Turbine Gearbox - L2NG 106/150 Pump                                      |
| 862 | Flexible Coupling, Water jet                       | M124/10-0601 | ISA-7765-00003772 | Perform Annual Inspection of the Elastic Coupling - Axial, Angular and Parallel Alignments                         |
| 863 |                                                    | M124/10-0602 | ISA-7765-00003773 | Perform Annual Inspection of the Elastic Coupling - Flexible Elements                                              |
| 864 |                                                    | M124/10-0901 | ISA-7765-00004686 | Perform Annual Test of the Flexible Water Jet Coupling - Tightness of all Bolts                                    |
| 865 |                                                    |              |                   | Perform Six Monthly Service of the Stern Tube Seal - Port and Starboard Forward Seal (Oil Change)                  |
| 866 | Propeller Shaft, Starboard                         | M131/20-1402 | ISA-7765-00003775 | Perform Six Monthly Service of the Stern Tube Seal - Port And Starboard Stern Tubes Aft Gravity Tanks (Oil Change) |
| 867 |                                                    | M136/30-0004 | ISA-7765-00001871 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Shaft                                    |

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| 868 |  |              |                   | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Condition of the Anodes |
| 869 |  | M136/30-0611 | ISA-7765-00003673 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Slip Rings              |
| 870 |  | M136/30-4614 | ISA-7765-00002009 | Perform Two Annual Replacement of the Controllable Pitch Propeller (CPP) - Anodes                 |
| 871 |  |              |                   | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Condition of the Anodes |
| 872 |  | M136/30-0611 | ISA-7765-00003674 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Slip Rings              |
| 873 |  | M136/30-4614 | ISA-7765-00002010 | Perform Two Annual Replacement of the Controllable Pitch Propeller (CPP) - Anodes                 |

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| 874 |         | M136/30-0004 | ISA-7765-00001872 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Shaft                   |
| 875 |         |              |                   | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Condition of the Anodes |
| 876 | 2430002 | M136/30-0611 | ISA-7765-00003675 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Slip Rings              |
| 877 |         | M136/30-4614 | ISA-7765-00002013 | Perform Two Annual Replacement of the Controllable Pitch Propeller (CPP) - Anodes                 |
| 878 |         |              |                   | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Condition of the Anodes |

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| 879 |             |                                                              | M136/30-0611 | ISA-7765-00003676 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Slip Rings |
| 880 |             |                                                              | M136/30-4614 | ISA-7765-00002014 | Perform Two Annual Replacement of the Controllable Pitch Propeller (CPP) - Anodes    |
| 881 | 2430005     | Stern Seal, Starboard                                        | M131/20-0601 | ISA-7765-00001859 | Perform Two Annual Inspection of the Stern Tube - Corrosion Protection               |
| 882 | 2430005A002 | Stern Tube Seal, Aft                                         | M131/20-4602 | ISA-7765-00001861 | Perform Two Annual Replacement of the Stern Tube - Aft SC Seal Oil                   |
| 883 | 2430006     | Stern Seal, Port                                             | M131/20-0601 | ISA-7765-00001860 | Perform Two Annual Inspection of the Stern Tube - Corrosion Protection               |
| 884 | 2430006A002 | Stern Tube Seal, Aft                                         | M131/20-4602 | ISA-7765-00001862 | Perform Two Annual Replacement of the Stern Tube - Aft SC Seal Oil                   |
| 885 |             | Shaft Bearing, Controllable Pitch Propeller (CPP), Starboard | M133/20-1101 | ISA-7765-00001863 | Perform Two Annual Cleaning of the Shaft Bearing - Cooler Assembly                   |
| 886 |             |                                                              | M133/20-1501 | ISA-7765-00005080 | Perform , Oil Change on the Shaft Bearing                                            |
| 887 | 2440001A005 | Shaft Strut Bearing, Starboard                               | M132/10-0001 | ISA-7765-00003597 | Perform Two Annual Maintenance of the Strut Bearings - Measure Clearances and Record |
| 888 | 2440001A006 | Stern Tube Bearing, Starboard                                | M133/20-0603 | ISA-7765-00001866 | Perform Two Annual Inspection of the Stern Tube Propeller Shaft Bearing              |
| 889 |             | Shaft Bearing, Controllable Pitch                            | M133/20-1101 | ISA-7765-00001864 | Perform Two Annual Cleaning of the Shaft Bearing - Cooler Assembly                   |

|     |             | Propeller (CPP), Port     |              |                   |                                                                                                      |
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| 890 |             |                           | M133/20-1501 | ISA-7765-00005081 | Perform , Oil Change on the Shaft Bearing                                                            |
| 891 | 2440002A005 | Shaft Strut Bearing, Port | M132/10-0001 | ISA-7765-00003598 | Perform Two Annual Maintenance of the Strut Bearings - Measure Clearances and Record                 |
| 892 |             |                           | M133/20-0603 | ISA-7765-00001867 | Perform Two Annual Inspection of the Stern Tube Propeller Shaft Bearing                              |
| 893 |             |                           |              |                   | Perform Annual Inspection of the Controllable Pitch Propeller (CPP) - Pipes, Connections and Flanges |
| 894 | 2440002A006 | Stern tube Bearing, Port  | M136/30-0608 | ISA-7765-00003777 | Perform Annual Inspection of the Controllable Pitch Propeller (CPP) - Connections to OD Box          |

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| 895 |             |                                               | M136/30-3601 | ISA-7765-00003025 | Perform Annual Drawing of an Oil Samples from the Controllable Pitch Propeller (CPP)                                             |
| 896 |             |                                               | M136/30-0001 | ISA-7765-00001878 | Perform Two Annual Function Test of the Controllable Pitch Propeller                                                             |
| 897 | 2450001     | Controllable Pitch Propeller (CPP), Starboard |              |                   | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - External Bolts, Locking Strips and Wire                |
| 898 |             |                                               | M136/30-0609 | ISA-7765-00001876 | Perform Two Annual Inspection and Replacement (If Necessary) of the Controllable Pitch Propeller (CPP) - Condition of the Anodes |
| 899 |             |                                               | M136/30-0003 | ISA-7765-00001873 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Condition of the Blades                                |
| 900 | 2450001A001 | Controllable Pitch Propeller (CPP), Starboard | M136/30-0008 | ISA-7765-00003678 | Perform Six Annual Inspection of the Controllable Pitch Propeller (CPP) - Water Ingress                                          |
| 901 |             |                                               | M136/30-     | ISA-7765-         | Perform Six Annual Replacement of the Controllable Pitch Propeller                                                               |

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|     |             |                                          | 4616         | 00003670          | (CPP) - Blade Seals                                                                                                                               |  |
| 902 |             |                                          |              |                   | Perform Two Annual Function Test of the Controllable Pitch Propeller                                                                              |  |
| 903 | 2450002     | Controllable Pitch Propeller (CPP), Port | M136/30-0001 | ISA-7765-00001880 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - External Bolts, Locking Strips and Wire                                 |  |
| 904 |             |                                          | M136/30-0609 | ISA-7765-00001877 | Perform Two Annual Inspection and Replacement (If Necessary) of the Controllable Pitch Propeller (CPP) - Condition of the Anodes                  |  |
| 905 |             |                                          | M136/30-0003 | ISA-7765-00001874 | Perform Two Annual Inspection of the Controllable Pitch Propeller (CPP) - Condition of the Blades                                                 |  |
| 906 |             |                                          | M136/30-0008 | ISA-7765-00003677 | Perform Six Annual Inspection of the Controllable Pitch Propeller (CPP) - Water Ingress                                                           |  |
| 907 | 2450002A001 | Controllable Pitch Propeller (CPP), Port |              |                   | Perform Six Annual Replacement of the Controllable Pitch Propeller (CPP) - Blade Seals                                                            |  |
| 908 |             |                                          | M136/30-4616 | ISA-7765-00003671 | Perform Six Monthly Replacement of the Controllable Pitch Propeller (CPP), Hydraulic Power Pack - Filter Breather Element and Silica Gel Granules |  |
| 909 | 2450004A003 | Hydraulic Power Pack                     | M136/30-4601 | ISA-7765-00003051 | Perform Six Monthly Replacement of the Controllable Pitch Propeller (CPP), Hydraulic Power Pack - Filter Breather Element and Silica Gel Granules |  |
| 910 |             |                                          | M114/10-0004 | ISA-7765-00003650 | Perform Six Annual Maintenance On the Water jet - Feedback Cables, Transducers and Switches                                                       |  |
| 911 |             |                                          | M114/10-0603 | ISA-7765-00001858 | Perform Two Annual Inspection of the Water jet - Impeller                                                                                         |  |
| 912 |             |                                          | M114/10-0605 | ISA-7765-00001879 | Perform Two Annual Inspection of the Water jet - Reverse Bucket and Accessories                                                                   |  |
| 913 |             |                                          | M114/10-0606 | ISA-7765-00005285 | Perform Six Monthly Inspection of the Water jet - Filler Breather Insert and Silica Gel                                                           |  |

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| 914 |              |                   |             | Perform Two Hundred Hourly (Six Monthly) Inspection of the Water jet - Gas Charge Pressure of Accumulators               |
| 915 | M114/10-0620 | ISA-7765-00001995 |             | Perform Two Annual Inspection of the Water jet - Impeller Clearance                                                      |
| 916 | M114/10-0621 | ISA-7765-00001996 |             | Perform Two Annual Inspection of the Water jet - Impeller Damage                                                         |
| 917 | M114/10-0622 | ISA-7765-00002015 |             | Perform Two Annual Inspection of the Water jet - Reverse Bucket and Accessories - Bolts                                  |
| 918 |              |                   |             | Perform Two Annual Inspection of the Water jet - Reverse Bucket and Accessories - Hydraulic Hoses                        |
| 919 | M114/10-0624 | ISA-7765-00003000 |             | Perform Ten Annual Inspection of the Water jet - Thrust Bearing Block - Axial and Radial Roller Bearing Shaft Seal Faces |
| 920 | M114/10-0625 | ISA-7765-00003599 |             | Perform Two Annual Inspection of the Water jet - Rubber Bearings                                                         |
| 921 | M114/10-0626 | ISA-7765-00003596 | 2470001A001 | Perform Six Annual Inspection of the Water jet - Reverse Bucket Pins                                                     |
| 922 | M114/10-0627 | ISA-7765-00003679 |             | Perform Six Annual Inspection of the Water jet - Mounting Bolts                                                          |
| 923 |              |                   |             | Perform Two Hundred Hourly (Six Monthly) Drawing of a Hydraulic Oil Sample from the Water jet                            |
| 924 | M114/10-4605 | ISA-7765-00001868 |             | Perform Two Annual Replacement of the Water jet Assembly - Thrust Bearing Block Seals                                    |
| 925 |              |                   |             | Perform Two Hundred Hourly (Six Monthly) Replacement of the Water jet Assembly, Power Unit Tank - Filter Element         |
| 926 | M114/10-4609 | ISA-7765-00003002 |             | Perform Two Hundred Hourly (Six Monthly) Replacement of the Water jet Assembly - Zinc Anodes                             |
| 927 | M114/10-     | ISA-7765-         |             | Perform Four Hundred Hourly (Annual) Replacement of the Water jet                                                        |

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| 4610         | 00003003          | Assembly - Shaft Seal Zinc Anodes                                                                                                                        |
| M114/10-4611 | ISA-0000010170    | Perform Four Hundred Hourly (Annual) Replacement of the Water jet Assembly - Current Collector Brushes                                                   |
| M114/10-4612 | ISA-7765-00003004 | Perform Two Hundred Hourly (Six Monthly) Replacement of the Water jet Assembly, Bearing Lube Unit - Filter Element                                       |
| M114/10-4613 | ISA-7765-00004210 | Perform , Replacement of the Water jet Assembly - Shock/vibration Mounts of Accumulator Man. Block, High Pressure, Control Man. Block and Lube Oil Unit. |
| M114/10-4614 | ISA-7765-00004211 | Perform , Replacement of the Water jet Assembly - Flexible Hoses                                                                                         |
| M114/10-4618 | ISA-7765-00004212 | Perform , Replacement of the Water jet Assembly - Various Valves                                                                                         |
| M114/10-4622 | ISA-7765-00004214 | Perform , Replacement of the Water jet Assembly - Current Collector Brushes and Cables                                                                   |
| M114/10-4623 | ISA-7765-00004215 | Perform , Replacement of the Water jet Assembly - Oil Cooler Tube Stack                                                                                  |
| M114/10-4624 | ISA-7765-00004216 | Perform , Replacement of the Water jet Assembly - Accumulator Bladder                                                                                    |
|              |                   | Perform , Replacement of the Water jet Assembly - E-Motor Bearings                                                                                       |
|              |                   | Perform , Replacement of the Water jet Assembly - Silica-Gel and Air Breather Filter                                                                     |
| M114/10-4626 | ISA-7765-00003672 | Perform Six Annual Replacement of the Water jet - Hydraulic Hoses                                                                                        |
| M114/10-4627 | ISA-7765-00003005 | Perform Ten Annual Replacement of the Water jet - Shaft Seal Faces                                                                                       |
| M114/10-4628 | ISA-7765-00003006 | Perform Ten Annual Replacement of the Water jet - Shaft Sleeves and Rubber Bearing                                                                       |

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| 941 |             |                                     | M114/10-4629 | ISA-7765-00003665 | Perform Six Annual Replacement of the Water Jet - Bearing Bushes                                                                        |
| 942 |             |                                     | M114/10-4630 | ISA-7765-00003658 | Perform Six Annual Replacement of the Water Jet - Closing Device Seals                                                                  |
| 943 | 2470001A014 | Cylinder                            | M114/10-0701 | ISA-7765-00001852 | Perform Six Annual Overhaul Water jet Assembly - Hydraulic Reverse and Closing Cylinders                                                |
| 944 |             |                                     |              |                   | Perform Six Annual Overhaul of the Water jet Assembly - Hydraulic Reverse and Closing Cylinders                                         |
| 945 | 2470005     | Shaft Bearing, Water jet            | M133/20-1101 | ISA-7765-00001865 | Perform Two Annual Cleaning of the Shaft Bearing - Cooler Assembly                                                                      |
| 946 |             |                                     | M133/20-1501 | ISA-7765-00005082 | Perform , Oil Change on the Shaft Bearing                                                                                               |
| 947 |             |                                     |              |                   | Perform Four Monthly Cleaning of the Combustion Air Filter for Diesel Engines and Gas Turbines - HV1500 and GT2 Filter / Coalescer Bags |
| 948 |             |                                     | M146/01-4601 | ISA-7765-00005138 | Perform , Replacement of the Combustion Air Gas Turbine - Filter / Coalescer Bag and Filter / Coalescer Panel                           |
| 949 |             |                                     | M146/1-0001  | ISA-7765-00005139 | Perform , Extended Engine Shutdown Procedure (> One Month) of the Combustion Air Filter for Diesel Engines and Gas Turbines             |
| 950 |             |                                     | M612/7-0001  | ISA-7765-00003145 | Perform Six Monthly Test on the Gas Turbine Enclosure Cooling, Fan - Start and Stop                                                     |
| 951 |             | Fan, Enclosure Cooling, Gas Turbine | M612/7-0602  | ISA-7765-00003941 | Perform Six Monthly Inspection of the Gas Turbine Enclosure Cooling - Fan                                                               |
| 952 | 2513001A133 |                                     |              |                   | Perform Eight Monthly Inspection of the Gas Turbine Enclosure Cooling, Fan Support - Mountings                                          |
| 953 |             |                                     | M612/7-0604  | ISA-7765-00004687 | Perform Annual Inspection of the Gas Turbine Enclosure Cooling, Fan - Impeller                                                          |

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| 954 |         |              |                   |                | Perform Three Monthly Inspection of the Gas Turbine Enclosure Cooling, Fan - Motor and Vibration Mounting                                                                                                                 |
| 955 |         | M612/7-4601  | ISA-0000002895    | 64D - Bearings | Perform Three Annual Replacement of the Motor Type ANGA-200 LI-                                                                                                                                                           |
| 956 |         |              |                   |                | Perform Eight Monthly Inspection of the Gas Turbine Enclosure, Air Intake Flap, Actuator - Securing Bolts Torque                                                                                                          |
| 957 |         | M612/6-0602  | ISA-7765-00003140 |                | Perform Eight Monthly Inspection of the Gas Turbine Enclosure, Air Intake Flap, Actuator - Tightness of Plug / Socket Connectors                                                                                          |
| 958 |         | M612/6-0603  | ISA-7765-00003141 |                | Perform Eight Monthly Inspection of the Gas Turbine Enclosure, Air Intake Flap, Damper - Electrical Glands and Earth Connection                                                                                           |
| 959 |         | M612/6-0604  | ISA-7765-00003142 |                | Perform Annual Inspection of the Gas Turbine Enclosure, Air Intake Flap - Seals and Protective Elements                                                                                                                   |
| 960 |         | M612/6-0605  | ISA-7765-00003143 |                | Perform Annual Inspection of the Gas Turbine Enclosure, Air Intake Flap, Protective Coating - Damage                                                                                                                      |
| 961 |         | M612/6-1901  | ISA-7765-00003144 |                | Perform Eight Monthly Operation of the Gas Turbine Enclosure, Air Intake Flap - Actuator Operation                                                                                                                        |
| 962 | 2514001 | M146/1-0001  | ISA-7765-00005140 |                | Perform , Extended Engine Shutdown Procedure (> One Month) of the Combustion Air Filter for Diesel Engines and Gas Turbines                                                                                               |
| 963 | 2560    | M583/11-0004 | ISA-7765-00005324 |                | Perform , Cleaning or Replacement of the Sea Water Cooling System - GT Gearbox, WJ Shaft Bearings, Filter/oil Cooler Set for TBB, WJ Shaft Seal & Water Supply for Abracket Bearings for Trails - Seawater Filter Inserts |
| 964 | 2560001 | M583/11-     | ISA-7765-         |                | Perform , Cleaning or Replacement of the Seawater Cooling Pump,                                                                                                                                                           |

|     | Seawater, Main Machinery Exhaust              | 0008         | 00005330          | Main                                                                                                                             |  |
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| 965 |                                               |              |                   | Machinery Exhaust - Seawater Exhaust Injection Seawater Filter Inserts                                                           |  |
| 966 | Cooling Pump, Seawater, 80CBM, Main Machinery | M113/30-3704 | ISA-7765-00005163 | Perform , Draining of Engine Coolant of Propulsion Diesel Engine                                                                 |  |
| 967 |                                               | M113/30-4604 | ISA-7765-00004207 | Perform , Replacement of the Propulsion Diesel Engine - Sea Water Pump                                                           |  |
| 968 |                                               | M583/10-4606 | ISA-7765-00004429 | Perform , Replacement of the Three Phase Motor F. PP. - Ball Bearings                                                            |  |
| 969 |                                               |              |                   | Perform Six Monthly Inspection of the E-Flaps and E-Valves, Gearboxes and Actuators - Elastomer Seals                            |  |
| 970 |                                               | M600/1-0602  | ISA-7765-00003837 | Perform Annual Test on the E-Flaps and E-Valves - Ensure Bolts are Correctly Torque Tightened                                    |  |
| 971 |                                               | M600/1-0901  | ISA-7765-00003298 | Perform Six Monthly Test on the E-Flaps and E-Valves - Test Run                                                                  |  |
| 972 |                                               |              |                   | Perform Two Annual Removal of the ( Sprayers ) Drain Tank Line Non - Return Valves - Propulsion Diesel Exhaust System            |  |
| 973 | 2560001A002 Three Phase Motor, Cooling Pump   | M145/19-0701 | ISA-7765-00003603 | Perform Two Annual Overhaul Maintenance on the ( Sprayers ) Drain Tank Line Non-Return Valves - Propulsion Diesel Exhaust System |  |

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| 974                     |         |                                         | M145/19-0901 | ISA-7765-00003602 | Perform Two Annual Testing of the ( Sprayers ) Drain Tank Line Non - Return Valves - Propulsion Diesel Exhaust System |
| 975                     |         |                                         | M145/19-4601 | ISA-7765-00003601 | Perform Two Annual Replacement of ( Sprayers ) Drain Tank Line Non-Return Valves - Propulsion Diesel Exhaust System   |
| 976                     |         |                                         | M145/20-1901 | ISA-7765-00003789 | Perform Four Monthly Maintenance of the ( Sprayers ) Drain Line Isolating Valves - Propulsion Diesel Exhaust System   |
| 977                     |         |                                         | M145/21-0001 | ISA-7765-00003790 | Perform Eight Monthly Maintenance on the (SPRAYERS ) Drain Lines - Propulsion Diesel Exhaust System                   |
| 978                     | 2570001 | Control System, Exhaust Duct Drain Tank | M145/18-0901 | ISA-7765-00003788 | Perform Four Monthly Maintenance on the ( Sprayers ) Drain Tank Level Sensors and Overflow - Exhaust System           |
| 2513001A134 2513001A134 |         |                                         |              |                   |                                                                                                                       |

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| 979 | 2592001     | Gas Turbine Exhaust System         | M145/13-0002 | ISA-7765-00005121 | Perform , Maintenance on the Gas Turbine Exhaust Duct                                                                     |
| 980 |             |                                    |              |                   | Perform , Maintenance on the Gas Turbine Exhaust and Seawater Supply Systems                                              |
| 981 |             |                                    | M145/13-0005 | ISA-7765-00005123 | Perform , Maintenance on the Gas Turbine Exhaust System - Valves                                                          |
| 982 |             |                                    | M145/13-0006 | ISA-7765-00005124 | Perform , Maintenance on the Gas Turbine Exhaust - Drainage System                                                        |
| 983 |             |                                    |              |                   | Perform Four Monthly Inspection of the Propulsion Gas Turbine, Exhaust System - Seawater Supply                           |
| 984 | 2592001A100 | Exhaust Duct Baffle with Bend      | M145/15-0602 | ISA-7765-00003072 | Perform Eight Monthly Inspection of the Exhaust Duct Baffle with Bend - Electrical Glands & Earth Connections on Damper   |
| 985 |             |                                    | M145/15-0603 | ISA-7765-00003073 | Perform Annual Inspection of the Exhaust Duct Baffle with Bend - Seals and Protective Elements Made from Elastomers       |
| 986 |             |                                    | M145/15-0604 | ISA-7765-00003074 | Perform Annual Inspection of the Exhaust Duct Baffle with Bend - Protective Coating for any Damage                        |
| 987 |             |                                    |              |                   | Perform Eight Monthly Inspection of the Exhaust Duct Baffle with Bend - Tightness of Covers and Plug / Socket Connections |
| 988 |             |                                    | M145/15-0901 | ISA-7765-00003785 | Perform Eight Monthly Testing of the Exhaust Duct Baffle with Bend - Test Torque of Actuator Securing Bolts               |
| 989 | 2592001A106 | Exhaust Duct Sliding Door (Flap 1) | M145/15-1901 | ISA-7765-00003786 | Perform Eight Monthly Testing of the Exhaust Duct Baffle with Bend - Test Run Actuator                                    |
| 990 |             |                                    |              |                   | Perform Six Annual Replacement of the Actuators for Exhaust Duct Flaps - Gear Housing - Lubricant                         |
| 991 | 2592001A106 | Exhaust Duct Sliding Door (Flap 1) | M145/12-0601 | ISA-7765-00003026 | Perform Annual Inspection of the Exhaust Duct Sliding Door - Accumulator                                                  |

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| 992 |             |                                | M145/12-4602 | ISA-7765-00005118 | Perform , Replacement of the Exhaust Duct Sliding Door (Flap) - Pressure Switch                                                                   |
| 993 |             |                                |              |                   | Perform , Replacement of the Exhaust Duct Sliding Door (Flap) - Flash Relay Fuse                                                                  |
| 994 |             |                                | M145/12-4604 | ISA-7765-00005120 | Perform , Replacement of the Exhaust Duct Sliding Door (Flap) - Pilot Lamp                                                                        |
| 995 |             |                                |              |                   | Perform Eight Monthly Lubrication of the Propulsion Gas Turbine, Exhaust System Sliding Door - Rail System - Tightening Surfaces and Toothed Rack |
| 996 | 2592001A107 | Hydraulic Unit, Sliding Door   | M145/12-1401 | ISA-7765-00001881 | Perform Two Annual Replacement of the Exhaust Duct Sliding Door (Flap 1) - Replace Hydraulic Oil                                                  |
| 997 | 2592001A108 | Hydraulic Pump, Hydraulic Unit | M145/12-4601 | ISA-7765-00005117 | Perform , Replacement of the Exhaust Duct Sliding Door (Flap) - Hydraulic Pump Fuse                                                               |
| 998 | 2592001A117 | Bypass Duct Overpressure Flap  | M145/16-0602 | ISA-7765-00003075 | Perform Eight Monthly Inspection of the Bypass Duct Over Pressure Flap - Lamellas                                                                 |
| 999 |             |                                |              |                   | Perform , Repair of the Exhaust Cooling Injection (GT) and Hot Water Circulating Pumps                                                            |

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| 1000 | 2592001A124 | Three Phase Motor, Gas Turbine, Exhaust Cooling Injection Pump | M414/3-4601  | ISA-7765-00004364 | Perform , Replacement of the (GT) Exhaust Cooling Injection Pump - Ball Bearings |
| 1001 | 2592001A150 | Pump Unit, Exhaust Duct Water Barrier                          | M145/12-1502 | ISA-7765-00005116 | Perform , Oil Change of the Exhaust Duct Water Barrier - Oil Change              |
| 1002 |             |                                                                | M145/12-     | ISA-7765-         | Perform Four Monthly Drawing of an Exhaust Duct Water Barrier,                   |

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|      |         |                                   | 3601         | 00003781          | Hydraulic Oil for Analysis                                                                                                                                                                                |  |
| 1003 | 2592002 | Temperature Sensors, Exhaust Duct | M145/13-0003 | ISA-7765-00005083 | Perform , Maintenance on the Gas Turbine Exhaust Duct Sensors                                                                                                                                             |  |
| 1004 |         |                                   | M145/13-0003 | ISA-7765-00005084 | Perform , Maintenance on the Gas Turbine Exhaust Duct Sensors                                                                                                                                             |  |
| 1005 |         |                                   |              |                   | Perform Four Monthly Maintenance on the ( Sprayers ) Sight Glass Flow Indicator - Propulsion Diesel Exhaust System                                                                                        |  |
| 1006 |         |                                   | M311/30-0004 | ISA-7765-00003627 | Perform Two Annual Removal and Replacement of the Compressed Air System, Pressure Vessel - Starting Air Bottle (250 L) - (ZEICHN. 32277-S3) - Exhaust, Hand and Guard Rails                               |  |
| 1007 | 2592003 | Humidity Sensors Exhaust Duct     | M311/30-0005 | ISA-7765-00003626 | Perform Two Annual Removal and Replacement of the Compressed Air System, Pressure Vessel - Starting Air Bottle (250 L) - (ZEICHN. 32277-S3) - Vessel - Starting Air Bottle (250 L) - (ZEICHN. 32277-S3) - |  |
| 1008 |         |                                   | M311/30-0015 | ISA-7765-00003613 | Perform Two Annual Removal and Replacement of the Compressed Air System, Pressure Vessel - Distribution and Torpedo Air Bottles (250 L) - (ZEICHN. 32276-1)                                               |  |
| 1009 |         |                                   |              |                   | Perform Eight Monthly Preventive Maintenance Tasks on Actuators for Exhaust Duct Flaps. (Type HE-W DN 600)                                                                                                |  |
| 1010 |         |                                   | M145/13-0018 | ISA-7765-00005129 | Perform , Maintenance of the Exhaust Pipe, Main Diesel Engine - Propulsion Diesel Engine Exhaust Duct                                                                                                     |  |
| 1011 |         |                                   | M145/13-     | ISA-7765-         | Perform , Maintenance of the Exhaust Pipe, Main Diesel Engine -                                                                                                                                           |  |

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|      |             |                                                 | 0019         | 00005130          | Exhaust Duct Sensors                                                                                                                                                                                                       |  |
| 1012 |             |                                                 | M145/13-0021 | ISA-7765-00005132 | Perform , Maintenance of the Exhaust Pipe, Main Diesel Engine - Exhaust, Valves                                                                                                                                            |  |
| 1013 |             |                                                 |              |                   | Perform , Maintenance of the Exhaust Pipe, Main Diesel Engine - Drainage System and Sight Flow Indicator                                                                                                                   |  |
| 1014 | 2593002     | Cooling Water Injection Exhaust Pipe,           | M145/13-0020 | ISA-7765-00005131 | Perform , Maintenance of the Exhaust Pipe, Main Diesel Engine - Seawater Supply System                                                                                                                                     |  |
| 1015 |             | Main Engine Diesel                              |              |                   |                                                                                                                                                                                                                            |  |
| 1016 |             |                                                 | M145/13-0021 | ISA-7765-00005133 | Perform , Maintenance of the Exhaust Pipe, Main Diesel Engine - Exhaust, Valves Perform , Cleaning or Replacement of the Seawater Cooling Pump, Main Machinery Exhaust - Propulsion Diesel Engines Seawater Filter Inserts |  |
| 1017 | 2593002A100 | Exhaust Cooling Injection Pump 1, Diesel Engine | M414/3-0402  | ISA-7765-00004359 | Perform , Repair of the Chilled Water Circulating & Exhaust Cooling Injector Pumps (DE)                                                                                                                                    |  |
| 1018 | 2593002A110 | Exhaust Cooling Injection Pump 2, Diesel Engine | M414/3-0402  | ISA-7765-00004358 | Perform , Repair of the Chilled Water Circulating & Exhaust Cooling Injector Pumps (DE)                                                                                                                                    |  |
| 1019 | 2593002A111 | Three Phase Motor Pump 2, Diesel Engine         | M583/10-4607 | ISA-0000002897    | Perform Three Annual Replacement of the Motor Type ANGA-160MD-02M - Bearings                                                                                                                                               |  |
| 1020 |             |                                                 | M342/20-4601 | ISA-7765-00003799 | Perform Annual Replacement of the Control Panel for Fuel Oil Separator - Buffer Battery                                                                                                                                    |  |

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| 1021 |             |              |                   |  | Perform , Cleaning or Replacement of the Gas Turbine Fuel System - Fuel Filter 10 G - Element                  |
| 1022 |             | M546/20-0603 | ISA-7765-00003803 |  | Perform Six Monthly Inspection of the Gas Turbine Fuel System - Inspect and Coat Compensators                  |
| 1023 | 2616        |              |                   |  | Perform Four Monthly Inspection of the Gas Turbine Fuel System - Valves and Flaps                              |
| 1024 |             | M546/20-0604 | ISA-7765-00003804 |  | Perform Six Monthly Inspection of the Gas Turbine Fuel System - Inspect and Coat Shock and Vibration Absorbers |
| 1025 |             | M546/20-0607 | ISA-7765-00003282 |  | Perform Annual Inspection of the Gas Turbine Fuel System - Control Instruments                                 |
| 1026 | 2616001A006 | M433/50-0001 | ISA-7765-00004137 |  | Perform Five Hundred Hourly Inspection on Pumps                                                                |
| 1027 |             |              |                   |  | Perform , Maintenance after more than Six Months Shut-Down of the Gas Turbine, Fuel Oil Booster Pump           |
| 1028 |             | M433/50-0017 | ISA-7765-00004393 |  | Perform , Dis-assembly and Assembly of the Fuel Oil Booster Pump                                               |
| 1029 | 2616001A012 | M433/50-0001 | ISA-7765-00004138 |  | Perform Five Hundred Hourly Inspection on Pumps                                                                |
| 1030 |             | M433/50-0702 | ISA-7765-00004398 |  | Remove, inspect, refurbish and install of the Fuel Oil Booster Pump                                            |
| 1031 |             | M371/60-0622 | ISA-7765-00003801 |  | Perform Annual Inspection of the Acoustic Enclosure- Damage                                                    |
| 1032 | 3110        | M371/60-1501 | ISA-7765-00003802 |  | Perform Eight Monthly Lubrication of the Acoustic Enclosure - Sliding Door                                     |

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| 1033 |               |              |                   | Perform ; Cleaning or Replacement of the Sea Water Cooling System - Generator Diesel Engines - Seawater Filter Inserts      |
| 1034 |               | M970/1-2303  | ISA-7765-00004085 | Perform Three Monthly Vibration Measuring on Measuring Points of 'Generator and Damage Control' Data Collection Route       |
| 1035 |               |              |                   | Perform , Maintenance after more than Six Months Shut-Down of the Gas Turbine, Fuel Oil Booster Pump                        |
| 1036 |               | M433/50-0017 | ISA-7765-00004392 | Perform , Dis-assembly and Assembly of the Fuel Oil Booster Pump                                                            |
| 1037 | 2616002A006   | M433/50-0702 | ISA-7765-00004399 | Remove, inspect, refurbish and install Fuel Oil Booster Pump                                                                |
| 1038 |               | M371/60-0623 | ISA-7765-00003236 | Perform Annual Inspection of the Synchronous Alternator, Terminal - Bolts for Tightness                                     |
| 1039 |               |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of the VULSTATIK-L Coupling, Element - Cracks                 |
| 1040 |               | M371/60-0625 | ISA-7765-00005390 | Perform Five Hundred Hourly (Annual) Inspection of the VULSTATIK-L Coupling - Condition                                     |
| 1041 | 3110001A001 1 | M371/60-0912 | ISA-7765-00005391 | Perform Annual Test of the Synchronous Alternator, Protection and Supervision Devices                                       |
| 1042 |               |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Cleaning of the Synchronous Alternator                                   |
| 1043 |               | M371/60-1502 | ISA-7765-00003279 | Perform Two Thousand One Hundred and Sixty Hours Lubrication of the Synchronous Alternator, Bearings - In Running Condition |
| 1044 |               | M371/60-4612 | ISA-7765-00004354 | Perform , Replacement of the Diesel with Capsule and Generator - Coupling                                                   |

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| 1045 |             |                      | M371/60-0623 | ISA-7765-00005393 | Perform Annual Inspection of the Synchronous Alternator, Terminal - Bolts for Tightness                                     |
| 1046 |             |                      |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of the VULSTATIK-L Coupling, Element - Cracks                 |
| 1047 |             |                      | M371/60-0625 | ISA-7765-00005394 | Perform Five Hundred Hourly (Annual) Inspection of the VULSTATIK-L Coupling - Condition                                     |
| 1048 | 3110002A001 | Main Generator, No 2 | M371/60-0912 | ISA-7765-00005395 | Perform Annual Test of the Synchronous Alternator, Protection and Supervision Devices                                       |
| 1049 |             |                      |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Cleaning of the Synchronous Alternator                                   |
| 1050 |             |                      | M371/60-1502 | ISA-7765-00003278 | Perform Two Thousand One Hundred and Sixty Hours Lubrication of the Synchronous Alternator, Bearings - In Running Condition |
| 1051 |             |                      | M371/60-4612 | ISA-7765-00004353 | Perform , Replacement of the Diesel with Capsule and Generator - Coupling                                                   |
| 1052 |             |                      | M371/60-0623 | ISA-7765-00005397 | Perform Annual Inspection of the Synchronous Alternator, Terminal - Bolts for Tightness                                     |
| 1053 |             |                      |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of the VULSTATIK-L Coupling, Element - Cracks                 |
| 1054 |             |                      | M371/60-0625 | ISA-7765-00005398 | Perform Five Hundred Hourly (Annual) Inspection of the VULSTATIK-L Coupling - Condition                                     |
| 1055 | 3110003A001 | Main Generator, No 3 | M371/60-0912 | ISA-7765-00005399 | Perform Annual Test of the Synchronous Alternator, Protection and Supervision Devices                                       |
| 1056 |             |                      |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Cleaning of the Synchronous Alternator                                   |
| 1057 |             |                      | M371/60-1502 | ISA-7765-00003280 | Perform Two Thousand One Hundred and Sixty Hours Lubrication of the Synchronous Alternator, Bearings - In Running Condition |
| 1058 |             |                      | M371/60-     | ISA-7765-         | Perform , Replacement of the Diesel with Capsule and Generator -                                                            |

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| 1059 |  |  | 4612         | 00004352          | Coupling                                                                                                                                           |
| 1060 |  |  | M371/60-0623 | ISA-7765-00005401 | Perform Annual Inspection of the Synchronous Alternator, Terminal - Bolts for Tightness                                                            |
| 1061 |  |  |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of the VULSTATIK-L Coupling, Element - Cracks                                        |
| 1062 |  |  |              |                   | Perform Five Hundred Hourly (Annual) Inspection of the VULSTATIK-L Coupling - Condition                                                            |
|      |  |  | M371/60-0912 | ISA-7765-00005403 | Perform Annual Test of the Synchronous Alternator, Protection and Supervision Devices                                                              |
| 1063 |  |  |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Cleaning of the Synchronous Alternator                                                          |
| 1064 |  |  | M371/60-1502 | ISA-7765-00003281 | Perform Two Thousand One Hundred and Sixty Hours Lubrication of the Synchronous Alternator, Bearings - In Running Condition                        |
| 1065 |  |  | M371/60-4612 | ISA-7765-00004351 | Perform , Replacement of the Diesel with Capsule and Generator - Coupling                                                                          |
| 1066 |  |  |              |                   | Perform , Maintenance of the Diesel Engine with Capsule and Generator - More than Three Months Out of Service Period                               |
| 1067 |  |  | M145/13-0615 | ISA-7765-00003079 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Drainage System                                          |
| 1068 |  |  | M145/13-0616 | ISA-7765-00003080 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Sensors                                                  |
| 1069 |  |  | M145/13-0623 | ISA-0000011515    | Perform One Hundred Hourly (Monthly) Inspection of the Aft Generator Diesel PORT - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks |

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| 1070 | M145/13-0625 | ISA-7765-00003081 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Stainless Steel Compensators - Rupture                 |
| 1071 | M145/13-0629 | ISA-7765-00003082 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - Injector Nozzles                                          |
| 1072 | M145/13-0633 | ISA-7765-00004277 | Perform One Hundred Hourly (Monthly) Inspection of the Forward Generator Diesel STB - Textile Compensators                                       |
| 1073 | M145/13-0634 | ISA-7765-00003083 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel STB - Stainless Steel Compensators for Rupture            |
| 1074 | M145/13-0635 | ISA-7765-00003084 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel STB - Drainage System                                     |
| 1075 | M145/13-0636 | ISA-7765-00003085 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel STB - Sensors                                             |
| 1076 | M145/13-0637 | ISA-7765-00003086 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB- Flexible Supports (Wire Isolators)                      |
| 1077 | M145/13-0638 | ISA-7765-00003087 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Injector Nozzles                                       |
| 1078 | M145/13-0639 | ISA-7765-00003088 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Seawater Regulation Valves (Electronic Control Valves) |
| 1079 | M145/13-0640 | ISA-7765-00003089 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Seawater Supply                                        |
| 1080 | M145/13-0642 | ISA-7765-00004278 | Perform One Hundred Hourly (Monthly) Inspection of the Forward Generator Diesel PORT - Textile Compensators                                      |
| 1081 |              |                   | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel PORT - Stainless Steel Compensators for Rupture           |

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| 1082 |  | M145/13-0644 | ISA-7765-00003091 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel PORT - Drainage System |
| 1083 |  | M145/13-0645 | ISA-7765-00003092 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel PORT - Sensors         |

3110004A001 Main Generator, No 4

3110004A001 Main Generator, No 4

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| 1084 | M145/13-0646 | ISA-7765-00005405 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT- Flexible Supports (Wire Isolators)                      |
| 1085 | M145/13-0647 | ISA-7765-00003093 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT - Injector Nozzles                                       |
| 1086 | M145/13-0648 | ISA-7765-00003094 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT - Seawater Regulation Valves (Electronic Control Valves) |
| 1087 | M145/13-0649 | ISA-7765-00003095 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT - Seawater Supply                                        |
| 1088 | M145/13-0652 | ISA-7765-00003096 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel STB - Stainless Steel Compensators for Rupture                 |
| 1089 | M145/13-0653 | ISA-7765-00004279 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft Generator Diesel STB - Drainage System                                          |
| 1090 | M145/13-0654 | ISA-7765-00003097 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft Generator Diesel STB- Sensors                                                   |
| 1091 | M145/13-0655 | ISA-7765-00004254 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB- Flexible Supports (Wire Isolators)                           |
| 1092 | M145/13-0657 | ISA-7765-00004255 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB - Seawater Regulation Valves (Electronic Control Valves)      |
| 1093 | M145/13-0658 | ISA-7765-00004256 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - Seawater Supply                                            |

3110005A001 Diesel Engine, DG 1

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| M145/13-0665 | ISA-7765-00004257 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - Seawater Regulation Valves (Electronic Control Valves) |
| M145/13-0667 | ISA-7765-00004258 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - Flexible Supports (Wire Isolators)                     |
| M145/13-0679 | ISA-7765-00004259 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB - Seawater Supply                                         |
| M145/13-1109 | ISA-7765-00004260 | Perform One Hundred and Fifty Hourly Cleaning of the Forward Generator Diesel STB - Injector Nozzles                                          |
| M145/13-1110 | ISA-7765-00004261 | Perform One Hundred and Fifty Hourly Cleaning of the Forward Generator Diesel PORT - Injector Nozzles                                         |
| M145/13-1111 | ISA-7765-00004262 | Perform One Hundred and Fifty Hourly Cleaning (Flush) of the Aft Generator Diesel PORT - Sensors                                              |
|              |                   | Perform One Hundred and Fifty Hourly Cleaning of the Aft Generator Diesel STB - Injector Nozzles (Flush)                                      |
| M145/13-1113 | ISA-7765-00004264 | Perform One Hundred and Fifty Hourly Cleaning of the Aft Generator Diesel STB - Sensors                                                       |
|              |                   | Perform One Hundred and Fifty Hourly Cleaning (Flush) of the Aft Generator Diesel PORT - Injector Nozzles                                     |
| M371/60-0015 | ISA-7765-00004322 | Perform, Removal and Installation of the Diesel with Capsule and Generator - Exhaust Lines (Exhaust Elbows)                                   |
| M371/60-0016 | ISA-7765-00004326 | Perform, Removal and Installation of the Diesel with Capsule and Generator - Pressure Transmitter                                             |

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| 1105 | M371/60-0021 | ISA-7765-00004330 | Perform , Inspection and Repair and Installation of the Diesel with Capsule and Generator - Fuel Lines                                    |
| 1106 | M371/60-0023 | ISA-7765-00004334 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Engine Coolant Level Sensor                                 |
| 1107 | M371/60-0024 | ISA-7765-00004338 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Diesel Thermocouple                                         |
| 1108 | M371/60-0025 | ISA-7765-00004342 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Fuel Sensor                                                 |
| 1109 | M371/60-0026 | ISA-7765-00004346 | Perform , Removal and Replacement of the Diesel with Capsule and Generator - Fuel Pre-filter Water Level Probes                           |
| 1110 | M371/60-0619 | ISA-7765-00005406 | Perform Five Hundred Hourly (Annual) inspections on the Local Operating Panel TYPE UT 183                                                 |
| 1111 | M371/60-0620 | ISA-7765-00004303 | Perform Five Hundred Hourly (Annual) Inspections on the Local Operating Panel TYPE UT 183, Start Relay - Firm Seating                     |
| 1112 | M371/60-0621 | ISA-7765-00004304 | Perform Five Hundred Hourly (Annual) Inspections on the Cooling Fan Control Unit                                                          |
| 1113 |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection Diesel Engine with Capsule and Generator Emergency Air-Off Flaps Operation  |
| 1114 | M371/60-0638 | ISA-7765-00004305 | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of Diesel Engine with Capsule and Generator Seawater Cooling Inlet Strainer |
| 1115 | M371/60-0640 | ISA-7765-00003247 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Alternator Mounts Security                |
| 1116 | M371/60-0641 | ISA-7765-00003248 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Base Skid Mounts Condition and Security   |
| 1117 | M371/60-0642 | ISA-7765-00003249 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Engine Coolant System Hoses Condition     |

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| M371/60-0643 | ISA-7765-00003250 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Engine Mounts Security            |
|              |                   | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and                                             |
|              |                   | Generator Wiring Condition                                                                                                        |
| M371/60-0907 | ISA-7765-00004306 | Perform Two Hundred and Fifty Hourly (Six Monthly) Test of the Local Operating Panel TYPE UT 183 - Led and Luminous Push-button   |
| M371/60-0908 | ISA-7765-00004307 | Perform Five Hundred Hourly (Annual) Function Test on the Local Operating Panel TYPE UT 183 - Emergency Stop Key                  |
| M371/60-0909 | ISA-7765-00004308 | Perform Five Hundred Hourly (Annual) Test of the Local Operating Panel TYPE UT 183 - "Overspeed Test" Function                    |
| M371/60-0915 | ISA-7765-00004309 | Perform Five Hundred Hourly Barring Testing of the Diesel Engine with Capsule and Generator                                       |
| M371/60-0916 | ISA-7765-00004310 | Perform Five Hundred Hourly (Annual) Testing of the Diesel Engine with Capsule and Generator Coolant Fluid Level Monitor Function |

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| M371/60-0918 | ISA-7765-00004311 | Perform Two Thousand Hourly (Two Annual) Testing of Diesel Engine with Capsule and Generator Monitoring Units Function                   |
| M371/60-0919 | ISA-7765-00004312 | Perform Two Thousand Hourly (Two Annual) Testing of the Diesel Engine with Capsule and Generator Compression Pressure                    |
| M371/60-0920 | ISA-7765-00004350 | Perform , Testing of Diesel Engine with Capsule and Generator Exhaust Pressure                                                           |
|              |                   | Perform Two Thousand Hourly (Two Annual) Replacement of Diesel Engine with Capsule and Generator Belt Drive                              |
| M371/60-4619 | ISA-7765-00003269 | Perform Two Thousand Hourly (Two Annual) Replacement of Diesel Engine with Capsule and Generator Oil Separator for Crankcase Ventilation |

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| 1131 |             |                                  | M371/60-4620 | ISA-7765-00003270 | Perform Two Thousand Hourly (Two Annual) Replacement of the Diesel Engine with Capsule and Generator Fuel Pre-Filter Elements |
| 1132 |             |                                  | M371/60-0008 | ISA-7765-00005173 | Perform , Maintenance on the Local Operating Panel - Power Supply                                                             |
| 1133 |             |                                  |              |                   | Perform , Maintenance on the Local Operating Panel - Fault in Key Illumination and LED Function                               |
| 1134 |             |                                  | M371/60-0027 | ISA-7765-00005234 | Perform , Maintenance on the Local Operating Panel - Display Instruments                                                      |
| 1135 |             |                                  | M371/60-0913 | ISA-7765-00005238 | Perform , Test of the Local Operating Panel - Lamps                                                                           |
| 1136 | 3110005A003 | Local Operating Panel A001, DG 1 |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Luminous                                                         |
| 1137 |             |                                  |              |                   | Pushbutton                                                                                                                    |
| 1138 |             |                                  | M371/60-4602 | ISA-7765-00005277 | Replacement of the Local Operating Panel A001 DG - ALSY / SISY                                                                |
| 1139 |             |                                  |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Local Operating Panel                                            |
| 1140 |             |                                  | M371/60-4604 | ISA-7765-00005295 | Perform , Replacement of the Local Operating Panel A001 DG - Macrolon Window in The Lop Door                                  |
| 1141 |             |                                  | M371/60-4402 | ISA-7765-00005270 | Perform , Maintenance of the Diesel Engine with Capsule and Generator - More than Three Months Out of Service Period          |
| 1142 |             |                                  |              |                   | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Drainage System                     |
| 1143 |             |                                  | M145/13-0616 | ISA-7765-00004376 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Sensors                             |
| 1144 |             |                                  | M145/13-0623 | ISA-7765-00005408 | Perform One Hundred Hourly (Monthly) Inspection of the Aft Generator Diesel PORT -                                            |

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|              |                   | Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks                                                                  |
| M145/13-0625 | ISA-7765-00004377 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Stainless Steel Compensators - Rupture |

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| M145/13-0633 | ISA-0000011482    | Perform One Hundred Hourly (Monthly) Inspection of the Forward Generator Diesel STB - Textile Compensators                                       |
| M145/13-0634 | ISA-7765-00004378 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel STB - Stainless Steel Compensators for Rupture            |
| M145/13-0635 | ISA-7765-00004379 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel STB - Drainage System                                     |
| M145/13-0636 | ISA-7765-00003076 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel STB - Sensors                                             |
| M145/13-0637 | ISA-7765-00004380 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB- Flexible Supports (Wire Isolators)                      |
| M145/13-0639 | ISA-7765-00005409 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Seawater Regulation Valves (Electronic Control Valves) |
| M145/13-0640 | ISA-7765-00004381 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Seawater Supply                                        |
| M145/13-0642 | ISA-7765-00004382 | Perform One Hundred Hourly (Monthly) Inspection of the Forward Generator Diesel PORT - Textile Compensators                                      |
| M145/13-0643 | ISA-7765-00004383 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel PORT - Stainless Steel Compensators for Rupture           |
| M145/13-0644 | ISA-7765-00004384 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel PORT - Drainage System                                    |
| M145/13-0645 | ISA-7765-00003077 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel PORT - Sensors                                            |

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| M145/13-0646 | ISA-0000012989    | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT- Flexible Supports (Wire Isolators)                 |
| M145/13-0648 | ISA-7765-00005410 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel                                                          |
|              |                   | PORT - Seawater Regulation Valves (Electronic Control Valves)                                                                                |
| M145/13-0649 | ISA-7765-00005411 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT - Seawater Supply                                   |
| M145/13-0652 | ISA-7765-00005412 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel STB - Stainless Steel Compensators for Rupture            |
|              |                   | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft Generator Diesel STB - Drainage System                                     |
| M145/13-0654 | ISA-7765-00003078 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft Generator Diesel STB - Sensors                                             |
| M145/13-0655 | ISA-7765-00004385 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB- Flexible Supports (Wire Isolators)                      |
| M145/13-0657 | ISA-7765-00004386 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB - Seawater Regulation Valves (Electronic Control Valves) |
| M145/13-0658 | ISA-7765-00005414 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT- Seawater Supply                                        |

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| M145/13-0665 | ISA-7765-00004387 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - Seawater Regulation Valves (Electronic Control Valves) |
| M145/13-0667 | ISA-7765-00005415 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - Flexible Supports (Wire Isolators)                     |
| M145/13-0679 | ISA-7765-00005416 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB - Seawater Supply                                         |

3110006 Diesel Engine with Capsule, No 2

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| 1171 | M145/13-1111 | ISA-7765-00004388 | Perform One Hundred and Fifty Hourly Cleaning (Flush) of the Aft Generator Diesel PORT - Sensors                |
| 1172 | M145/13-1113 | ISA-7765-00004389 | Perform One Hundred and Fifty Hourly Cleaning of the Aft Generator Diesel STB - Sensors                         |
| 1173 |              |                   | Perform Twenty Four Thousand Hours (18 Annual) W6 Maintenance on the Diesel with Capsule and Generators         |
| 1174 | M371/60-0015 | ISA-7765-00004321 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Exhaust Lines (Exhaust Elbows)    |
| 1175 | M371/60-0016 | ISA-7765-00004325 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Pressure Transmitter              |
| 1176 | M371/60-0021 | ISA-7765-00004329 | Perform , Inspection and Repair and Installation of the Diesel with Capsule and Generator - Fuel Lines          |
| 1177 | M371/60-0023 | ISA-7765-00004333 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Engine Coolant Level Sensor       |
| 1178 | M371/60-0024 | ISA-7765-00004337 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Diesel Thermocouple               |
| 1179 | M371/60-0025 | ISA-7765-00004341 | Perform , Removal and Installation of the Diesel with Capsule and Generator - Fuel Sensor                       |
| 1180 | M371/60-0026 | ISA-7765-00004345 | Perform , Removal and Replacement of the Diesel with Capsule and Generator - Fuel Pre-filter Water Level Probes |
| 1181 | M371/60-0618 | ISA-7765-00005417 | Perform Two Hundred and Fifty Hourly (Six Monthly) Visual Inspection on the Local Operating Panel TYPE UT 183   |

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|              |                   |  | Perform Five Hundred Hourly (Annual) Inspections on the Local Operating Panel TYPE UT 183                                                    |
| M371/60-0620 | ISA-7765-00005419 |  | Perform Five Hundred Hourly (Annual) Inspections on the Local Operating Panel TYPE UT 183, Start Relay - Firm Seating                        |
| M371/60-0621 | ISA-7765-00004527 |  | Perform Five Hundred Hourly (Annual) Inspections on the Cooling Fan Control Unit                                                             |
|              |                   |  | Perform Five Hundred Hourly (Annual) Inspection of Diesel Engine with Capsule and Generator Capsule Exhaust Pipework Security and Insulation |
| M371/60-0638 | ISA-7765-00005421 |  | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of Diesel Engine with Capsule and Generator Seawater Cooling Inlet Strainer    |
| M371/60-0640 | ISA-7765-00003241 |  | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Alternator Mounts Security                   |
| M371/60-0641 | ISA-7765-00003242 |  | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Base Skid Mounts Condition and Security      |

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| M371/60-0642 | ISA-7765-00003243 |  | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Engine Coolant System Hoses Condition |
| M371/60-0643 | ISA-7765-00003244 |  | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Engine Mounts Security                |
| M371/60-0644 | ISA-7765-00003245 |  | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Wiring Condition                      |

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| 1193 | M371/60-0907 | ISA-7765-00003246 | Perform Two Hundred and Fifty Hourly (Six Monthly) Test of the Local Operating Panel TYPE UT 183 - Led and Luminous Push-button          |
| 1194 | M371/60-0908 | ISA-7765-00004528 | Perform Five Hundred Hourly (Annual) Function Test on the Local Operating Panel TYPE UT 183 - Emergency Stop Key                         |
| 1195 | M371/60-0909 | ISA-7765-00004529 | Perform Five Hundred Hourly (Annual) Test of the Local Operating Panel TYPE UT 183 - "Overspeed Test" Function                           |
| 1196 | M371/60-0915 | ISA-0000012991    | Perform Five Hundred Hourly Barring Testing of the Diesel Engine with Capsule and Generator                                              |
| 1197 | M371/60-0916 | ISA-7765-00005422 | Perform Five Hundred Hourly (Annual) Testing of the Diesel Engine with Capsule and Generator Coolant Fluid Level Monitor Function        |
| 1198 | M371/60-0918 | ISA-7765-00004547 | Perform Two Thousand Hourly (Two Annual) Testing of Diesel Engine with Capsule and Generator Monitoring Units Function                   |
| 1199 | M371/60-0920 | ISA-7765-00004349 | Perform , Testing of Diesel Engine with Capsule and Generator Exhaust Pressure                                                           |
| 1200 |              |                   | Perform Two Hundred and Fifty Hourly (Six Monthly) Service of Diesel Engine with Capsule and Generator                                   |
| 1201 | M371/60-3601 | ISA-7765-00003264 | Perform Two Hundred and Fifty Hourly (Six Monthly) Drawing of Diesel Engine with Capsule and Generator Oil Samples, for Analysis         |
| 1202 | M371/60-3602 | ISA-7765-00003265 | Perform Five Hundred Hourly (Annual) Drawing of Diesel Engine with Capsule and                                                           |
| 1203 |              |                   | Perform Two Thousand Hourly (Two Annual) Replacement of Diesel Engine with Capsule and Generator Oil Separator for Crankcase Ventilation |

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| 1204 |             |                                  | M371/60-4620 | ISA-7765-00003267 | Perform Two Thousand Hourly (Two Annual) Replacement of the Diesel Engine with Capsule and Generator Fuel Pre-Filter Elements |
| 1205 |             |                                  | M371/60-0008 | ISA-7765-00005174 | Perform , Maintenance on the Local Operating Panel - Power Supply                                                             |
| 1206 |             |                                  |              |                   | Perform , Maintenance on the Local Operating Panel - Fault in Key Illumination and LED Function                               |
| 1207 |             |                                  | M371/60-0027 | ISA-7765-00005235 | Perform , Maintenance on the Local Operating Panel - Display Instruments                                                      |
| 1208 |             |                                  | M371/60-0913 | ISA-7765-00005239 | Perform , Test of the Local Operating Panel - Lamps                                                                           |
| 1209 | 3110006A003 | Local Operating Panel A001, DG 2 |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Luminous Pushbutton                                              |

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| 1210 |         |                                  | M371/60-4602 | ISA-7765-00005278 | Replace of the Local Operating Panels A001 DG - ALSY / SISY                                                          |
| 1211 |         |                                  |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Local Operating Panel                                   |
| 1212 |         |                                  | M371/60-4604 | ISA-7765-00005296 | Perform , Replacement of the Local Operating Panel A001 DG - Macrolon Window in The Lop Door                         |
| 1213 | 3110007 | Diesel Engine with Capsule, No 3 | M371/60-4402 | ISA-7765-00005271 | Perform , Maintenance of the Diesel Engine with Capsule and Generator - More than Three Months Out of Service Period |
| 1214 |         |                                  | M145/13-0615 | ISA-7765-00004548 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Drainage System            |

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| 1215 | M145/13-0616 | ISA-7765-00003099 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Sensors                                                  |
| 1216 | M145/13-0623 | ISA-7765-00005423 | Perform One Hundred Hourly (Monthly) Inspection of the Aft Generator Diesel PORT - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks |
| 1217 | M145/13-0625 | ISA-7765-00004549 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Stainless Steel Compensators - Rupture                   |
| 1218 | M145/13-0629 | ISA-7765-00004550 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - Injector Nozzles                                            |
| 1219 | M145/13-0633 | ISA-7765-00005424 | Perform One Hundred Hourly (Monthly) Inspection of the Forward Generator Diesel STB - Textile Compensators                                         |
| 1220 | M145/13-0634 | ISA-7765-00004551 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel STB - Stainless Steel Compensators for Rupture              |
| 1221 | M145/13-0635 | ISA-7765-00004552 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel STB - Drainage System                                       |
| 1222 | M145/13-0636 | ISA-7765-00003100 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel STB - Sensors                                               |
| 1223 |              |                   | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB- Flexible Supports (Wire Isolators)                        |
| 1224 | M145/13-0638 | ISA-7765-00004554 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Injector Nozzles                                         |
| 1225 | M145/13-0639 | ISA-7765-00004555 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Seawater Regulation Valves (Electronic Control Valves)   |
| 1226 | M145/13-0640 | ISA-7765-00004556 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB - Seawater Supply                                          |
| 1227 | M145/13-     | ISA-7765-         | Perform One Hundred Hourly (Monthly) Inspection of the Forward                                                                                     |

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| 0642         | 00005425          | Generator Diesel PORT - Textile Compensators                                                                                           |
| M145/13-0643 | ISA-7765-00004557 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel PORT - Stainless Steel Compensators for Rupture |
| M145/13-0644 | ISA-7765-00004558 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel PORT - Drainage System                          |
| M145/13-0645 | ISA-7765-00003101 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel PORT - Sensors                                  |

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| M145/13-0646 | ISA-7765-00004559 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT- Flexible Supports (Wire Isolators)                      |
| M145/13-0647 | ISA-0000012783    | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT - Injector Nozzles                                       |
| M145/13-0648 | ISA-7765-00004560 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel PORT - Seawater Regulation Valves (Electronic Control Valves) |
| M145/13-0649 | ISA-7765-00004561 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel                                                               |
|              |                   | PORT - Seawater Supply                                                                                                                            |
| M145/13-0652 | ISA-7765-00004562 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel STB                                                            |
|              |                   | - Stainless Steel Compensators for Rupture                                                                                                        |
| M145/13-0653 | ISA-7765-00004563 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft Generator Diesel STB                                                            |
|              |                   | - Drainage System                                                                                                                                 |
| M145/13-     | ISA-7765-         | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft                                                                                 |





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|              |                   | Perform Five Hundred Hourly (Annual) Inspection of Diesel Engine with Capsule and Generator Capsule Exhaust Pipework Security and Insulation |
|              |                   |                                                                                                                                              |
| M371/60-0638 | ISA-7765-00004587 | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of Diesel Engine with Capsule and Generator Seawater Cooling Inlet Strainer    |
|              |                   |                                                                                                                                              |
|              |                   | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Alternator Mounts Security                   |
|              |                   |                                                                                                                                              |
| M371/60-0641 | ISA-7765-00003253 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Base Skid Mounts Condition and Security      |
|              |                   |                                                                                                                                              |
| M371/60-0642 | ISA-7765-00003254 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Engine Coolant System Hoses Condition        |

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| M371/60-0643 | ISA-7765-00003255 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and Generator Engine Mounts Security |

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| 1275 |              |                   |                                                                                         |
| 1276 | M371/60-0644 | ISA-7765-00003256 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and   |
| 1277 |              |                   | Generator Wiring Condition                                                              |
| 1278 | M371/60-0907 | ISA-7765-00004588 | Perform Two Hundred and Fifty Hourly (Six Monthly) Test of the Local Operating Panel    |
| 1279 |              |                   | TYPE UT 183 - Led and Luminous Push-button                                              |
| 1280 | M371/60-0908 | ISA-7765-00004589 | Perform Five Hundred Hourly (Annual) Function Test on the Local Operating Panel TYPE UT |
| 1281 |              |                   | 183 - Emergency Stop Key                                                                |
| 1282 | M371/60-0909 | ISA-7765-00004590 | Perform Five Hundred Hourly (Annual) Test of the Local Operating Panel TYPE UT 183 -    |
| 1283 |              |                   | "Overspeed Test" Function                                                               |
| 1284 | M371/60-0915 | ISA-7765-00005426 | Perform Five Hundred Hourly Barring Testing of the Diesel Engine with Capsule and       |
| 1285 |              |                   | Generator                                                                               |
| 1286 | M371/60-0916 | ISA-7765-00004623 | Perform Five Hundred Hourly (Annual) Testing of the Diesel Engine with Capsule and      |
| 1287 |              |                   | Generator Coolant Fluid Level Monitor Function                                          |
| 1288 | M371/60-0918 | ISA-7765-00004624 | Perform Two Thousand Hourly (Two Annual) Testing of Diesel Engine with Capsule and      |
| 1289 |              |                   | Generator Monitoring Units Function                                                     |
| 1290 | M371/60-     | ISA-7765-         | Perform , Testing of Diesel Engine with Capsule and Generator Exhaust                   |

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|      |  |             | 0920         | 00004348          | Pressure                                                                                                                                |  |
| 1291 |  |             |              |                   | Perform Two Thousand Hourly (Two Annual) Replacement of Diesel Engine with Capsule                                                      |  |
| 1292 |  |             |              |                   | and Generator Oil Separator for Crankcase Ventilation                                                                                   |  |
| 1293 |  |             | M371/60-4620 | ISA-7765-00003272 | Perform Two Thousand Hourly (Two Annual) Replacement of the Diesel Engine with                                                          |  |
| 1294 |  |             |              |                   | Capsule and Generator Fuel Pre-Filter Elements                                                                                          |  |
| 1295 |  |             | M371/60-0008 | ISA-7765-00005175 | Perform , Maintenance on the Local Operating Panel - Power Supply                                                                       |  |
| 1296 |  |             |              |                   | Perform , Maintenance on the Local Operating Panel - Fault in Key Illumination and LED Function                                         |  |
| 1297 |  |             | M371/60-0027 | ISA-7765-00005236 | Perform , Maintenance on the Local Operating Panel - Display Instruments                                                                |  |
| 1298 |  |             | M371/60-0913 | ISA-7765-00005240 | Perform , Test of the Local Operating Panel - Lamps                                                                                     |  |
| 1299 |  | 3110007A003 |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Luminous Pushbutton                                                        |  |
| 1300 |  |             |              |                   | Replacement of the Local Operating Panel A001 DG - ALSY / SISY                                                                          |  |
| 1301 |  |             | M371/60-4602 | ISA-7765-00005279 | Perform , Replacement of the Local Operating Panel A001 DG - Local Operating Panel                                                      |  |
| 1302 |  |             |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Macrolon Window in The Lop Door                                            |  |
| 1303 |  | 3110008     | M371/60-4402 | ISA-7765-00005272 | Perform , Maintenance of the Diesel Engine with Capsule and Generator - More than Three Months Out of Service Period                    |  |
| 1304 |  |             |              | ISA-7765-00006090 | Remove DG 3 & 4 coolers. Clean and conduct internal inspection of cooler. Conduct pressure test. On completion install coolers. WO Lamb |  |

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| M145/13-0616 | ISA-7765-00003103 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT - Sensors                                                  |
| M145/13-0623 | ISA-0000013203    | Perform One Hundred Hourly (Monthly) Inspection of the Aft Generator Diesel PORT - Exhaust Pipes, Flanges and Connections - Rupture and / or Leaks |
| M145/13-0625 | ISA-7765-00004604 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel PORT                                                            |
|              |                   | - Stainless Steel Compensators - Rupture                                                                                                           |
| M145/13-0629 | ISA-0000012786    | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT -                                                             |
|              |                   | Injector Nozzles                                                                                                                                   |
| M145/13-0633 | ISA-0000013204    | Perform One Hundred Hourly (Monthly) Inspection of the Forward Generator Diesel STB -                                                              |
|              |                   | Textile Compensators                                                                                                                               |
| M145/13-0634 | ISA-7765-00004605 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel                                                             |
|              |                   | STB - Stainless Steel Compensators for Rupture                                                                                                     |

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| M145/13-0635 | ISA-7765-00004606 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel |
|              |                   | STB - Drainage System                                                                  |
| M145/13-0636 | ISA-7765-00003104 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel |
|              |                   | STB - Sensors                                                                          |

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| 1319 | M145/13-0637 | ISA-7765-00004607 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel     |
| 1320 |              |                   | STB- Flexible Supports (Wire Isolators)                                                 |
| 1321 | M145/13-0639 | ISA-7765-00004608 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB |
| 1322 |              |                   | - Seawater Regulation Valves (Electronic Control Valves)                                |
| 1323 | M145/13-0640 | ISA-0000012791    | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel STB |
| 1324 |              |                   | - Seawater Supply                                                                       |
| 1325 | M145/13-0642 | ISA-0000013205    | Perform One Hundred Hourly (Monthly) Inspection of the Forward Generator Diesel PORT -  |
| 1326 |              |                   | Textile Compensators                                                                    |
| 1327 | M145/13-0643 | ISA-7765-00004609 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Forward Generator Diesel  |
| 1328 |              |                   | PORT - Stainless Steel Compensators for Rupture                                         |
| 1329 | M145/13-0644 | ISA-7765-00004610 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel  |
| 1330 |              |                   | PORT - Drainage System                                                                  |
| 1331 | M145/13-0645 | ISA-7765-00004611 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Forward Generator Diesel  |
| 1332 |              |                   | PORT - Sensors                                                                          |
| 1333 | M145/13-0646 | ISA-7765-00004612 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel     |

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| 1334 |              |                   | PORT- Flexible Supports (Wire Isolators)                                               |  |
| 1335 |              |                   | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel    |  |
| 1336 |              |                   | PORT - Seawater Regulation Valves (Electronic Control Valves)                          |  |
| 1337 | M145/13-0649 | ISA-0000012796    | Perform Six Hundred Hourly (Six Monthly) Inspection of the Forward Generator Diesel    |  |
| 1338 |              |                   | PORT - Seawater Supply                                                                 |  |
| 1339 | M145/13-0652 | ISA-7765-00004614 | Perform Four Hundred Hourly (Three Monthly) Inspection of the Aft Generator Diesel STB |  |
| 1340 |              |                   | - Stainless Steel Compensators for Rupture                                             |  |
| 1341 | M145/13-0653 | ISA-7765-00004615 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft Generator Diesel STB |  |
| 1342 |              |                   | - Drainage System                                                                      |  |
| 1343 | M145/13-0654 | ISA-7765-00003105 | Perform Four Hundred Hourly (Three Monthly) Inspection on the Aft Generator Diesel STB |  |
| 1344 |              |                   | - Sensors                                                                              |  |
| 1345 | M145/13-0655 | ISA-7765-00004617 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB-   |  |
| 1346 |              |                   | Flexible Supports (Wire Isolators)                                                     |  |
| 1347 | M145/13-0657 | ISA-7765-00004618 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB -  |  |
| 1348 |              |                   | Seawater Regulation Valves (Electronic Control Valves)                                 |  |

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| M145/13-0658 | ISA-0000012800    | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - |
|              |                   | Seawater Supply                                                                        |
| M145/13-0665 | ISA-7765-00004619 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - |
|              |                   | Seawater Regulation Valves (Electronic Control Valves)                                 |
| M145/13-0667 | ISA-7765-00004620 | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel PORT - |
|              |                   | Flexible Supports (Wire Isolators)                                                     |
| M145/13-0679 | ISA-0000012803    | Perform Six Hundred Hourly (Six Monthly) Inspection of the Aft Generator Diesel STB -  |
|              |                   | Seawater Supply                                                                        |

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| M145/13-1111 | ISA-7765-00004621  | Perform One Hundred and Fifty Hourly Cleaning (Flush) of the Aft Generator Diesel PORT - |
|              |                    | Sensors                                                                                  |
| M145/13-1113 | ISA-7765-00004622  | Perform One Hundred and Fifty Hourly Cleaning of the Aft Generator Diesel STB - Sensors  |
| M371/60-0015 | ISA-7765-000004319 | Perform , Removal and Installation of the Diesel with Capsule and Generator -            |
|              |                    | Exhaust Lines (Exhaust Elbows)                                                           |

3110008A001 Diesel Engine, DG 4

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| M371/60-0016 | ISA-7765-00004323 | Perform , Removal and Installation of the Diesel with Capsule and Generator -   |
|              |                   | Pressure Transmitter                                                            |
| M371/60-0021 | ISA-7765-00004327 | Perform , Inspection and Repair and Installation of the Diesel with Capsule and |
|              |                   | Generator - Fuel Lines                                                          |
| M371/60-0023 | ISA-7765-00004331 | Perform , Removal and Installation of the Diesel with Capsule and Generator -   |
|              |                   | Engine Coolant Level Sensor                                                     |
| M371/60-0024 | ISA-7765-00004335 | Perform , Removal and Installation of the Diesel with Capsule and Generator -   |
|              |                   | Diesel Thermocouple                                                             |
|              |                   | Perform , Removal and Installation of the Diesel with Capsule and Generator -   |
|              |                   | Fuel Sensor                                                                     |
| M371/60-0026 | ISA-7765-00004343 | Perform , Removal and Replacement of the Diesel with Capsule and Generator -    |
|              |                   | Fuel Pre-filter Water Level Probes                                              |

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| M371/60-0028 | ISA-7765-00004626 | Perform Five Hundred Hourly (Annual) Cleaning and Lubrication of Diesel Engine with |
|              |                   | Capsule and Generator Emergency Air Shut-Off Flaps                                  |
| M371/60-0618 | ISA-0000012804    | Perform Two Hundred and Fifty Hourly (Six Monthly) Visual Inspection on the Local   |
|              |                   | Operating Panel TYPE UT 183                                                         |

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| M371/60-0619 | ISA-7765-00004627 | Perform Five Hundred Hourly (Annual) inspections on the Local Operating Panel TYPE UT 183 |
| M371/60-0620 | ISA-7765-00004630 | Perform Five Hundred Hourly (Annual) Inspections on the Local Operating Panel TYPE UT     |
|              |                   | 183, Start Relay - Firm Seating                                                           |
| M371/60-0621 | ISA-7765-00004631 | Perform Five Hundred Hourly (Annual) Inspections on the Cooling Fan Control Unit          |
|              |                   | Perform Five Hundred Hourly (Annual) Inspection and Adjustment of Diesel Engine with      |
|              |                   | Capsule and Generator Coupling Condition                                                  |
| M371/60-0634 | ISA-7765-00004633 | Perform Five Hundred Hourly (Annual) Inspection and Adjustment of Diesel Engine with      |
|              |                   | Capsule and Generator Valve Clearance                                                     |
| M371/60-0635 | ISA-0000013209    | Perform Five Hundred Hourly (Annual) Inspection of Diesel Engine with Capsule and         |
|              |                   | Generator Capsule Exhaust Pipework Security and Insulation                                |

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| M371/60-0636 | ISA-7765-00004634 | Perform Five Hundred Hourly (Annual) Inspection of Diesel Engine with Capsule and     |
| M371/60-0637 | ISA-7765-00003223 | Generator Engine Coolant Pump Leak Indicator Hole for Obstruction                     |
| M371/60-0638 | ISA-0000012806    | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of Diesel Engine with   |
| M371/60-0640 | ISA-7765-00003257 | Capsule and Generator Emergency Air-Off Flaps Operation                               |
| M371/60-0641 | ISA-7765-00003258 | Perform Two Hundred and Fifty Hourly (Six Monthly) Inspection of Diesel Engine with   |
| M371/60-0642 | ISA-7765-00003259 | Capsule and Generator Seawater Cooling Inlet Strainer                                 |
|              |                   | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and |
|              |                   | Generator Alternator Mounts Security                                                  |
|              |                   | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and |
|              |                   | Generator Base Skid Mounts Condition and Security                                     |
|              |                   | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and |

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| M371/60-0643 | ISA-7765-00003260 | Generator Engine Coolant System Hoses Condition                                       |
| M371/60-0644 | ISA-7765-00003261 | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and |
|              |                   | Generator Engine Mounts Security                                                      |
|              |                   | Perform Two Thousand Hourly (Two Annual) Inspection of Diesel Engine with Capsule and |

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| M371/60-0907 | ISA-0000013210    | Generator Wiring Condition                                                              | Perform Two Hundred and Fifty Hourly (Six Monthly) Test of the Local Operating Panel |
|              |                   | TYPE UT 183 - Led and Luminous Push-button                                              |                                                                                      |
|              |                   | Perform Five Hundred Hourly (Annual) Function Test on the Local Operating Panel TYPE UT |                                                                                      |
|              |                   | 183 - Emergency Stop Key                                                                |                                                                                      |
| M371/60-0909 | ISA-7765-00004636 | Perform Five Hundred Hourly (Annual) Test of the Local Operating Panel TYPE UT 183 -    |                                                                                      |
|              |                   | "Overspeed Test" Function                                                               |                                                                                      |
| M371/60-0915 | ISA-7765-00004637 | Perform Five Hundred Hourly Barring Testing of the Diesel Engine with Capsule and       |                                                                                      |
|              |                   | Generator                                                                               |                                                                                      |
| M371/60-0916 | ISA-7765-00004638 | Perform Five Hundred Hourly (Annual) Testing of the Diesel Engine with Capsule and      |                                                                                      |
|              |                   | Generator Coolant Fluid Level Monitor Function                                          |                                                                                      |
| M371/60-0918 | ISA-7765-00004639 | Perform Two Thousand Hourly (Two Annual) Testing of Diesel Engine with Capsule and      |                                                                                      |
|              |                   | Generator Monitoring Units Function                                                     |                                                                                      |
| M371/60-0920 | ISA-7765-00004347 | Perform , Testing of Diesel Engine with Capsule and Generator Exhaust Pressure          |                                                                                      |
|              |                   | Perform Five Hundred Hourly (Annual) Cleaning (Flushing) of Diesel Engine with Capsule  |                                                                                      |

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| 1418         |                   |  |  |  |                                                                                                                                                      |
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| 1433         |                   |  |  |  |                                                                                                                                                      |
| M371/60-1105 | ISA-0000012809    |  |  |  | and Generator Fuel Prefilter (with Paper Filter Elements)<br>Perform Two Hundred and Fifty Hourly (Six Monthly) Cleaning of Diesel Engine with       |
| M371/60-1402 | ISA-0000013507    |  |  |  | Capsule and Generator Lean Compressed Air Filter Element<br>Perform Two Hundred and Fifty Hourly (Six Monthly) Service of Diesel Engine with Capsule |
| M371/60-3601 | ISA-0000012810    |  |  |  | and Generator<br>Perform Two Hundred and Fifty Hourly (Six Monthly) Drawing of Diesel Engine with                                                    |
| M371/60-3602 | ISA-7765-00003273 |  |  |  | Capsule and Generator Oil Samples, for Analysis<br>Perform Five Hundred Hourly (Annual) Drawing of Diesel Engine with Capsule and                    |
| M371/60-3703 | ISA-7765-00003274 |  |  |  | Generator Engine Coolant Sample, for Analysis<br>Perform Five Hundred Hourly (Annual) Priming and Venting of Diesel Engine with Capsule              |
| M371/60-4616 | ISA-7765-00003275 |  |  |  | and Generator Fuel Duplex Filter<br>Perform Five Hundred Hourly (Annual) Replacement of the Diesel Engine with Capsule and                           |
| M371/60-4619 | ISA-7765-00003276 |  |  |  | Generator Duplex Filter Elements<br>Perform Two Thousand Hourly (Two Annual) Replacement of Diesel Engine with Capsule                               |
| M371/60-7765 |                   |  |  |  | and Generator Oil Separator for Crankcase Ventilation<br>Perform Two Thousand Hourly (Two Annual) Replacement of the Diesel                          |

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|      |  |  | 4620         | 00003277          | Engine with                                                                    |  |
| 1434 |  |  |              |                   | Capsule and Generator Fuel Pre-Filter Elements                                 |  |
| 1435 |  |  | M371/60-0008 | ISA-7765-00005176 | Perform , Maintenance on the Local Operating Panel - Power Supply              |  |
| 1436 |  |  |              |                   | Perform , Maintenance on the Local Operating Panel - Fault in Key Illumination |  |
| 1437 |  |  |              |                   | and LED Function                                                               |  |
| 1438 |  |  | M371/60-0027 | ISA-7765-00005237 | Perform , Maintenance on the Local Operating Panel - Display Instruments       |  |
| 1439 |  |  | M371/60-0913 | ISA-7765-00005241 | Perform , Test of the Local Operating Panel - Lamps                            |  |
| 1440 |  |  |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Luminous          |  |
| 1441 |  |  |              |                   | Pushbutton                                                                     |  |
| 1442 |  |  | M371/60-4602 | ISA-7765-00005280 | Replacement of the Local Operating Panel A001 DG - ALSY / SISY                 |  |
| 1443 |  |  |              |                   | Perform , Replacement of the Local Operating Panel A001 DG - Local Operating   |  |
| 1444 |  |  |              |                   | Panel                                                                          |  |
| 1445 |  |  | M371/60-4604 | ISA-7765-00005298 | Perform , Replacement of the Local Operating Panel A001 DG - Macrolon          |  |
| 1446 |  |  |              |                   | Window in The Lop Door                                                         |  |

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| 1447 | 3110013A001 | Pre-Heater                                       | M371/60-3701 | ISA-7765-00005265 | Perform , Draining of the Diesel Engine with Capsule and Generator - Preheating               |
| 1448 |             |                                                  |              |                   | Unit Draining                                                                                 |
| 1449 | 3110014A001 | Pre-Heater                                       | M371/60-3701 | ISA-7765-00005266 | Perform , Draining of the Diesel Engine with Capsule and Generator - Preheating               |
| 1450 |             |                                                  |              |                   | Unit Draining                                                                                 |
| 1451 | 3110015A001 | Pre-Heater                                       | M371/60-3701 | ISA-7765-00005267 | Perform , Draining of the Diesel Engine with Capsule and Generator - Preheating               |
| 1452 |             |                                                  |              |                   | Unit Draining                                                                                 |
| 1453 | 3110016A001 | Pre-Heater                                       | M371/60-3701 | ISA-7765-00005268 | Perform , Draining of the Diesel Engine with Capsule and Generator - Preheating               |
| 1454 |             |                                                  |              |                   | Unit Draining                                                                                 |
| 1455 | 330         | Lighting System                                  | M311/30-0010 | ISA-7765-00003618 | Perform Two Annual Removal and Replacement of the Compressed Air System, Pressure             |
| 1456 |             |                                                  |              |                   | Vessel - Starting Air Bottle (500 L) Propulsion Diesel Engine - Lights and Electrical Cabling |
| 1457 | 3424017A001 | Starting Air Bottle 1 (125l), Diesel Generator 1 | M311/30-0607 | ISA-7765-00005992 | Perform Two Annual Inspection of the Compressed Air System, Pressure Vessel - Starting \      |
| 1458 |             |                                                  |              |                   | Air Bottle (125 L) - (ZEICHN. FL 23061)                                                       |
| 1459 |             |                                                  | M311/30-0901 | ISA-7765-00003186 | Perform Four Annual Hydrostatic Test of the Compressed Air System, Pressure Vessel -          |

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| 1460 |  |  |              |                   | Starting Air Bottles (125 L) - (ZEICHN. FL 23061)                                      |  |
| 1461 |  |  | M311/30-0607 | ISA-7765-00005991 | Perform Two Annual Inspection of the Compressed Air System, Pressure Vessel - Starting |  |

3110008A003 Local Operating Panel A001,  
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| 1462 | 3424017A003 | Starting Air Bottle 2<br>(125l), Diesel<br>Generator 2 |              |                   | Air Bottle (125 L) - (ZEICHN. FL 23061)                                                |
| 1463 |             |                                                        | M311/30-0901 | ISA-7765-00003187 | Perform Four Annual Hydrostatic Test of the Compressed Air System, Pressure Vessel -   |
| 1464 |             |                                                        |              |                   | Starting Air Bottles (125 L) - (ZEICHN. FL 23061)                                      |
| 1465 | 3424018A001 | Starting Air Bottle 3<br>(125l), Diesel<br>Generator 3 | M311/30-0607 | ISA-7765-00005990 | Perform Two Annual Inspection of the Compressed Air System, Pressure Vessel - Starting |
| 1466 |             |                                                        |              |                   | Air Bottle (125 L) - (ZEICHN. FL 23061)                                                |
| 1467 |             |                                                        | M311/30-0901 | ISA-7765-00003185 | Perform Four Annual Hydrostatic Test of the Compressed Air System, Pressure Vessel -   |
| 1468 | 3424018A003 | Starting Air Bottle 4<br>(125l), Diesel<br>Generator 4 |              |                   | Starting Air Bottles (125 L) - (ZEICHN. FL 23061)                                      |
| 1469 |             |                                                        | M311/30-0607 | ISA-7765-00005989 | Perform Two Annual Inspection of the Compressed Air System, Pressure Vessel - Starting |
| 1470 |             |                                                        |              |                   | Air Bottle (125 L) - (ZEICHN. FL 23061)                                                |
| 1471 | 3424018A003 | Starting Air Bottle 4<br>(125l), Diesel<br>Generator 4 | M311/30-0901 | ISA-7765-00003188 | Perform Four Annual Hydrostatic Test of the Compressed Air System, Pressure Vessel -   |
| 1472 |             |                                                        |              |                   | Starting Air Bottles (125 L) - (ZEICHN. FL 23061)                                      |

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| 1473 |         |              |                   | Perform Eight Monthly Preventive Maintenance Tasks on Actuators for Exhaust Duct Flaps (Type HE-W DN 250) |                                       |
| 1474 |         |              |                   |                                                                                                           |                                       |
| 1475 |         | M145/10-0002 | ISA-7765-00003779 | Perform Eight Monthly Preventive Maintenance Tasks on Actuators for Exhaust Duct Flaps (Type HE-W DN 200) |                                       |
| 1476 |         |              |                   |                                                                                                           |                                       |
| 1477 |         | M145/13-0007 | ISA-7765-00005085 | Perform , Maintenance on the Forward Generator Diesel Engine Exhaust - Duct                               |                                       |
| 1478 |         |              |                   | Perform , Maintenance on the Forward Generator Diesel Engine Exhaust - Duct Sensors                       |                                       |
| 1479 |         |              |                   |                                                                                                           |                                       |
| 1480 |         | M145/13-0009 | ISA-7765-00005089 | Perform , Maintenance on the Forward Generator Diesel Engine Exhaust - Seawater Supply System             |                                       |
| 1481 |         |              |                   |                                                                                                           |                                       |
| 1482 | 3426001 | M145/13-0010 | ISA-7765-00005091 | Perform , Maintenance on the Forward Generator Diesel Engine Exhaust - Valves                             | Exhaust System,<br>Diesel Generator 1 |
| 1483 |         |              |                   | Perform , Maintenance on the Forward Generator Diesel Engine Exhaust - Drainage System                    |                                       |

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| 1484 |             |                                      |              |                   |                                                                                               |  |
| 1485 | 3426001A130 | Pump, Exhaust Cooling Injection,     | M583/10-0401 | ISA-7765-00004417 | Remove, inspect, refurbish and reinstall the Exhaust Cooling Injection Pump (GEN)             |  |
| 1486 |             | Generator 1 and 2                    |              |                   |                                                                                               |  |
| 1487 | 3426001A131 | Three Phase Motor, Generator 1 and 2 | M583/10-4608 | ISA-000002898     | Perform Three Annual Replacement of the Motor Type ANGA-090LB-02M - Bearings                  |  |
| 1488 |             |                                      | M145/10-4601 | ISA-7765-00005115 | Perform , Replacement of the Non-Return Flap - Stuffing Box Packing                           |  |
| 1489 |             |                                      | M145/13-0007 | ISA-7765-00005086 | Perform , Maintenance on the Forward Generator Diesel Engine Exhaust - Duct                   |  |
| 1490 |             |                                      |              |                   | Perform , Maintenance on the Forward Generator Diesel Engine Exhaust - Duct Sensors           |  |
| 1491 |             |                                      |              |                   |                                                                                               |  |
| 1492 | 3426002     | Exhaust System, Diesel Generator 2   | M145/13-0009 | ISA-7765-00005090 | Replace the Forward Generator Diesel Engine Exhaust -Seawater Supply System – pipe work       |  |
| 1493 |             |                                      |              |                   |                                                                                               |  |
| 1494 |             |                                      | M145/13-0010 | ISA-7765-00005092 | Remove, inspect, refurbish and reinstall the Forward Generator Diesel Engine Exhaust - Valves |  |
| 1495 |             |                                      |              |                   | Replace the Forward Generator Diesel Engine Exhaust - Drainage System pipe work               |  |
| 1496 |             |                                      |              |                   |                                                                                               |  |

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| 1497 |         |                                    | M145/17-0601 | ISA-7765-00003787 | Perform Annual Inspection of the Non-Return Flap - Overall Wear and Tear                  |
| 1498 |         |                                    | M145/13-0012 | ISA-7765-00005095 | Perform , Maintenance on the Aft Generator Diesel Engine Exhaust Duct Sensors             |
| 1499 |         |                                    |              |                   | Replace aft Diesel Generator Engine Exhaust- Seawater supply system- Pipe Work            |
| 1500 |         |                                    | M145/13-0014 | ISA-7765-00005125 | Remove, inspect, refurbish and reinstall the Aft Generator Diesel Engine Exhaust - Valves |
| 1501 | 3426003 | Exhaust System, Diesel Generator 3 |              |                   | Replace the Aft Generator Diesel Engine Exhaust - Drainage System – pipe work             |
| 1502 |         |                                    |              |                   |                                                                                           |
| 1503 |         |                                    | M145/13-0023 | ISA-7765-00005135 | Perform , Maintenance on the Aft Generator Diesel Exhaust Duct                            |

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| 1504 | 3426003A130 | Pump, Exhaust Cooling Injection,     | M583/10-0401 | ISA-7765-00004416 | Remove, inspect, refurbish and reinstall the Exhaust Cooling Injection Pump (GEN) |
| 1505 |             | Generator 3 and 4                    |              |                   |                                                                                   |
| 1506 | 3426003A131 | Three Phase Motor, Generator 3 and 4 | M583/10-4608 | ISA-0000002899    | Perform Three Annual Replacement of the Motor Type ANGA-090LB-02M - Bearings      |
| 1507 | 3426004     | Exhaust System, Diesel Generator 4   | M145/13-0012 | ISA-7765-00005096 | Perform , Maintenance on the Aft Generator Diesel Engine Exhaust Duct Sensors     |
| 1508 |             |                                      |              |                   | Replace the Aft Generator Diesel Engine Exhaust - Seawater Supply                 |

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| 1509 |  |  |  |  | System – Pipe Work |  |
| 1510 |  |  |  |  |                    |  |
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| M145/13-0014 | ISA-7765-00005126 |  |  |  | Remove, inspect, refurbish and reinstall the Aft Generator Diesel Engine Exhaust - Valves                             |  |
| M145/13-0023 | ISA-7765-00005136 |  |  |  | Replace the Aft Generator Diesel Engine Exhaust - Drainage System – Pipe Work                                         |  |
| M364/10-0002 | ISA-7765-00003635 |  |  |  | Perform , Maintenance on the Aft Generator Diesel Exhaust Duct                                                        |  |
| M611/26-0075 | ISA-7765-00003914 |  |  |  | Perform Five Annual Inspection and Lubrication of the Ship's Horn (TYFON) - Exchange Lubricating Grease               |  |
| M611/26-0076 | ISA-7765-00003915 |  |  |  | Perform Six Annual Maintenance of the Ship's Horn                                                                     |  |
| M611/26-0612 | ISA-7765-00003938 |  |  |  | Perform Six Monthly Cleaning and Inspection of the Air Heaters and Air Coolers in Ducts Outside the Citadel, Type HTR |  |
| M611/26-0613 | ISA-7765-00004711 |  |  |  | Perform Six Monthly Cleaning and Inspection of the Climate Control Devices, Electrical - Switching Flaps              |  |
| M612/8-      | ISA-7765-         |  |  |  | Perform Six Monthly Cleaning and Inspection of the Control Equipment, Pneumatic - Actuator and Flaps                  |  |
|              |                   |  |  |  | Perform Six Monthly Inspection of the Control Equipment, Pneumatic - Sensors and                                      |  |
|              |                   |  |  |  | Controllers                                                                                                           |  |
|              |                   |  |  |  | Perform Three Monthly Inspection of the Control Equipment, Pneumatic - Relays                                         |  |
|              |                   |  |  |  | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling, Air Coolers - Air Side                  |  |
|              |                   |  |  |  | Perform Six Monthly Cleaning and Inspection of the Recirculating Air                                                  |  |

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|      |  | 0064         | 00003975          | Cooling, Air Heaters - Air Side                                                                                       |
| 1523 |  | M970/1-2304  | ISA-7765-00004086 | Perform Three Monthly Vibration Measuring on Measuring Points of 'Air Conditioning and Cooling' Data Collection Route |
| 1524 |  | M611/26-0097 | ISA-7765-00003317 | Perform Annual Test on the BC Protection System - Gas, Citadel and Compartment Pressure and Vacuum                    |

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| 1525 | 5100<br>Air Intake Filters | M611/26-0614 | ISA-7765-00003139 | Perform Annual Inspection of the BC Protection System - Air Heaters                                                                  |
| 1526 |                            |              |                   | Perform Annual Cleaning and Inspection of the BC Protection System 1B 1 - Non Return Flaps Mechanically Operated                     |
| 1527 |                            | M611/26-0058 | ISA-7765-00003301 | Perform Annual Cleaning and Inspection of the BC Protection System 1B1 - Air Heaters                                                 |
| 1528 |                            |              |                   | Perform Annual Cleaning and Inspection of the BC Protection System 1B 2 - Non Return Flaps Mechanically Operated                     |
| 1529 |                            | M611/26-0059 | ISA-7765-00003302 | Perform Annual Cleaning and Inspection of the BC Protection System 1B2 - Air Heaters                                                 |
| 1530 |                            |              |                   | Perform Annual Cleaning and Inspection of the Ventilation Unit, BC Switchboard Section B - Clean                                     |
| 1531 |                            |              |                   | Perform Three Monthly Cleaning and Inspection of the BC Protection System 1B2, Centrifugal Fans TYPE HER - Electric Motor and Casing |
| 1532 |                            | M611/26-0040 | ISA-7765-00003895 | Perform Annual Cleaning and Inspection of the BC Protection System 1H 3 - Non Return Flaps Mechanically Operated                     |

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| M611/26-0060 | ISA-7765-00003303 | Perform Annual Cleaning and Inspection of the BC Protection System 1H3 - Air Heaters                             |
|              |                   | Perform Annual Cleaning and Inspection of the BC Protection System 01C4 - Non Return Flaps Mechanically Operated |
| M611/26-0061 | ISA-7765-00003304 | Perform Annual Cleaning and Inspection of the BC Protection System 01C4 - Air Heaters                            |
|              |                   | Perform Annual Cleaning and Inspection of the BC Protection System 01D5 - Non Return Flaps Mechanically Operated |
| M611/26-0099 | ISA-7765-00003932 | Perform Annual Cleaning and Inspection of the BC Protection System 01D5 - Air Heaters                            |
|              |                   | Perform Annual Cleaning and Inspection of the BC Protection System 01F6 - Non Return Flaps Mechanically Operated |
| M611/26-0062 | ISA-7765-00003305 | Perform Annual Cleaning and Inspection of the BC Protection System 01F6 - Air Heaters                            |
|              |                   | Perform Annual Cleaning and Inspection of the BC Protection System 01F7 - Non Return Flaps Mechanically Operated |
| M611/26-0063 | ISA-7765-00003306 | Perform Annual Cleaning and Inspection of the BC Protection System 01F7 - Air Heaters                            |
|              |                   | Perform Annual Cleaning and Inspection of the BC Protection System 01F8 - Non Return                             |
|              |                   | Flaps Mechanically Operated                                                                                      |
| M611/26-0064 | ISA-7765-00003307 | Perform Annual Cleaning and Inspection of the BC Protection System 01F8 - Air Heaters                            |

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| 1545 |         |                           |              | Perform Annual Cleaning and Inspection of the BC Protection System 01F9 - Non Return Flaps Mechanically Operated |                                                                                                                   |
| 1546 | 5100005 | BC-Protection System 1H.3 | M611/26-0065 | ISA-7765-00003308                                                                                                | Perform Annual Cleaning and Inspection of the BC Protection System 01F9 - Air Heaters                             |
| 1547 |         |                           |              |                                                                                                                  | Perform Annual Cleaning and Inspection of the BC Protection System 01H10 - Non Return Flaps Mechanically Operated |
| 1548 |         |                           | M611/26-0066 | ISA-7765-00003309                                                                                                | Perform Annual Cleaning and Inspection of the BC Protection System 01H10 - Air Heaters                            |
| 1549 |         |                           |              |                                                                                                                  | Perform Annual Cleaning and Inspection of the BC Protection System 02D11 - Non Return Flaps Mechanically Operated |
| 1550 |         |                           | M611/26-0067 | ISA-7765-00003310                                                                                                | Perform Annual Cleaning and Inspection of the BC Protection System 02D11 - Air Heaters                            |
| 1551 |         |                           |              |                                                                                                                  | Perform Annual Cleaning and Inspection of the BC Protection System 02D12 - Non Return Flaps Mechanically Operated |
| 1552 |         |                           | M611/26-0068 | ISA-7765-00003311                                                                                                | Perform Annual Cleaning and Inspection of the BC Protection System 02D12 - Air Heaters                            |
| 1553 |         |                           |              |                                                                                                                  | Perform Annual Cleaning and Inspection of the BC Protection System 02D13 - Non Return Flaps Mechanically Operated |

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| 1554 | M611/26-0069 | ISA-7765-00003312 | Perform Annual Cleaning and Inspection of the BC Protection System<br>02D13 - Air Heaters                                       |
| 1555 |              |                   | Perform Annual Cleaning and Inspection of the BC Protection System<br>02G14 - Non Return Flaps Mechanically Operated            |
| 1556 | M611/26-0070 | ISA-7765-00003313 | Perform Annual Cleaning and Inspection of the BC Protection System<br>02G14 - Air Heaters                                       |
| 1557 |              |                   | Perform Annual Cleaning and Inspection of the BC Protection System<br>02G15 - Non Return Flaps Mechanically Operated            |
| 1558 | M611/26-0071 | ISA-7765-00003314 | Perform Annual Cleaning and Inspection of the BC Protection System<br>02G15 - Air Heaters                                       |
| 1559 |              |                   | Perform Annual Cleaning and Inspection of the BC Protection System<br>02G16 - Non Return Flaps Mechanically Operated            |
| 1560 | M611/26-0072 | ISA-7765-00003315 | Perform Annual Cleaning and Inspection of the BC Protection System<br>02G16 - Air Heaters                                       |
| 1561 |              |                   | Perform Annual Cleaning and Inspection of the Overpressure Regulating<br>System 1H.1 - Mechanically Operated Overpressure Flaps |
| 1562 | M611/26-0074 | ISA-7765-00003913 | Perform Six Monthly Cleaning and Inspection of the Climate Control<br>Devices, Electrical - Overpressure Flaps                  |

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| 1563 |             |                                        | M619/20-0606 | ISA-7765-00004507 | Perform , Inspection of the Vacuum Pump, Condensate - Flap Valve and Remove Blockage                                        |
| 1564 |             |                                        | M619/20-1803 | ISA-7765-00004509 | Perform , Adjustment of the Vacuum Pump, Condensate - Alarm Time Setting                                                    |
| 1565 |             |                                        |              |                   | Perform , Inspection of the Vacuum Pump, Condensate - Flap Valve and Remove Blockage                                        |
| 1566 | 5100100A001 | Vacuum Pump Condensate                 | M619/20-1803 | ISA-7765-00004508 | Perform , Adjustment of the Vacuum Pump, Condensate - Alarm Time Setting                                                    |
| 1567 |             |                                        |              |                   | Perform Six Monthly Cleaning and Inspection of the Heat Generating Boiler, Hot Water Circulating Pump - Starter Box         |
| 1568 | 5110001A004 | Hot Water Circulating Pump 1, Vent and | M414/3-0401  | ISA-7765-00004356 | Perform , Repair of the Exhaust Cooling Injection (GT) and Hot Water Circulating Pumps                                      |
| 1569 |             | Heat System                            |              |                   |                                                                                                                             |
| 1570 | 5110001A005 | Three Phase Motor, Pump 1              | M583/10-4605 | ISA-7765-00004428 | Replace of the Three Phase Motor PP. 2 - E-Motor Bearings Remove, inspect, repair and reinstall Hot Water Circulating Pumps |
| 1571 |             |                                        | M583/10-4605 | ISA-7765-00004427 | Replace the Three Phase Motor PP. 2 - E-Motor Bearings                                                                      |
| 1572 | 5110001A014 | Three Phase Motor, Pump 2              |              |                   | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System, Air Coolers - Air Side                          |
| 1573 |             |                                        |              |                   |                                                                                                                             |

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| 1574 |             | M611/26-000B            | ISA-7765-00003867 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System, Air Heaters - Air Side                                                                   |
| 1575 |             |                         |                   |                                                                                                                                                                      |
| 1576 |             | M611/26-0056            | ISA-7765-00003911 | Perform Annual Inspection and Cleaning of the Air Intakes and Outlets, Closures                                                                                      |
| 1577 |             | M611/26-0057            | ISA-7765-00003912 | Perform Annual Inspection and Cleaning of the Air Inlets and Air Outlets                                                                                             |
| 1578 |             |                         |                   | Perform Three Monthly Inspection of the Climate Control Devices (Electrical), Ventilation System, Heat Exchanger - Control Valves and Valve Actuators                |
| 1579 |             | M611/26-4601            | ISA-7765-00005430 | Replace the Ventilation System - Over Pressure Flap - Sealing                                                                                                        |
| 1580 |             |                         |                   | Replace the Ventilation System - Non-return Flap, Angular - Sealing Band                                                                                             |
| 1581 |             | M611/26-4603            | ISA-7765-00005432 | Replace the Ventilation System - Fire Protection Flap - Soldered Link                                                                                                |
| 1582 |             | M611/26-4604            | ISA-7765-00005433 | Replace the Ventilation System - Overpressure Flap, Spring Loaded, Type UEDV - Sealing                                                                               |
| 1583 |             | M611/26-4605            | ISA-7765-00005434 | Replace of the Ventilation System - Straight Way Valve Type V5011S Packing                                                                                           |
| 1584 | 5120009     | Exhaust Air System 3H.5 | ISA-7765-00003937 | Perform Three Monthly Inspection of the Exhaust Air System 3H5 - Fire Protection Flaps                                                                               |
| 1585 |             |                         |                   | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Exhaust Air System 1B 17 - Air Cooler (Chilled Water)                                             |
| 1586 | 5120016A004 | Air Heater              | M611/26-0032      | ISA-7765-00003889<br>Perform Six Monthly Cleaning and Inspection of the Exhaust Air System 1B 17 - Air Heats & Air Coolers in Ducts Outside the Citadel, Type HTR B4 |

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| 1587 | 5120023A002 | Three Phase Motor             | M611/26-0605 | ISA-7765-00003321 | Perform Three Monthly Cleaning and Inspection of the Exhaust Air System 01G12, Axial Fans, Type NK 10 L - Electric Motor and Casing     |
| 1588 | 5120027     | Exhaust Air System 02F.14     | M611/26-0607 | ISA-7765-00003935 | Perform Three Monthly Inspection of the Exhaust Air System 02F14 - Fire Protection Flaps                                                |
| 1589 |             |                               |              |                   | Perform Three Monthly Inspection of the Exhaust Air System 02F14, Centrifugal Fans TYPE REV - Electric Motor and Casing                 |
| 1590 |             |                               | M611/26-0011 | ISA-7765-00003868 | Perform Three Monthly Cleaning and Inspection of the Recirculating Air System 3F.1 - Dust Filter of Air Cooler (Seawater) - Type CLR F1 |
| 1591 |             |                               | M611/26-0012 | ISA-7765-00003869 | Perform Three Monthly Cleaning and Inspection of the Recirculating Air System 3F.1 - Dust Filter of Air Cooler (Seawater) - Type CLR F2 |
| 1592 |             |                               | M611/26-0016 | ISA-7765-00003873 | Perform Three Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air System 3F.1 - Air Cooler (Seawater)              |
| 1593 | 5120033     | Recirculating Air System 3F.1 | M611/26-0026 | ISA-7765-00003883 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air System 3F.1 - Air Cooler (Seawater), Air Side      |
| 1594 |             |                               | M611/26-0601 | ISA-7765-00003933 | Perform Three Monthly Inspection of the Recirculating Air System 3F.1, Centrifugal Fans TYPE REV - V-belt and V-belt Pulleys            |
| 1595 |             |                               | M611/26-1101 | ISA-7765-00005370 | Perform , Mechanical Cleaning of the Recirculating Air System 3F.1 - Air Cooler, Seawater - Tubes                                       |
| 1596 | 5120033A013 | Centrifugal Fan               | M611/26-1801 | ISA-7765-00005371 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                                                   |
| 1597 |             |                               | M611/26-4606 | ISA-7765-00005435 | Replace the Centrifugal Fan Type REV, V-Belt Driven - Clamping Ring Bearing                                                             |
| 1598 |             |                               | M611/26-4607 | ISA-7765-00005437 | Replace the Centrifugal Fans Type REV, V-Belt Driven - V-Belt                                                                           |
| 1599 |             |                               | M611/26-4608 | ISA-7765-00005439 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                                                           |

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| 1600 |         |                               |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing              |
| 1601 |         |                               |              |                   |                                                                                       |
| 1602 |         |                               |              |                   | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment      |
| 1604 |         |                               | M612/8-4635  | ISA-7765-00005691 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                              |
| 1605 |         |                               |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring                           |
| 1607 |         |                               | M611/26-1801 | ISA-7765-00005372 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment |
| 1609 |         |                               | M611/26-4606 | ISA-7765-00005436 | Replace the Centrifugal Fan Type REV, V-Belt Driven - Clamping Ring Bearing           |
| 1611 |         |                               | M611/26-4607 | ISA-7765-00005438 | Replace the Centrifugal Fans Type REV, V-Belt Driven - V-Belt                         |
| 1612 |         |                               | M611/26-4608 | ISA-7765-00005444 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                         |
| 1613 |         |                               |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing              |
| 1615 |         |                               | M612/8-1801  | ISA-7765-00005527 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment      |
| 1617 |         |                               | M612/8-4635  | ISA-7765-00005692 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                              |
| 1618 |         |                               |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                   |
| 1620 | 5120035 | Recirculation Air System 3G.2 | M611/26-0013 | ISA-7765-00003870 | Perform Three Monthly Cleaning and Inspection of the Recirculating Air System 3G.2 -  |

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| 1621 |         |              |                   | Dust Filter of Air Cooler (Seawater) - Types CLR G1 & CLR G2                           |
| 1622 |         | M611/26-0017 | ISA-7765-00003874 | Perform Three Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air |
| 1623 |         |              |                   | System 3G.2 - Air Cooler (Seawater)                                                    |
| 1624 |         | M611/26-0027 | ISA-7765-00003884 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air   |
| 1625 |         |              |                   | System 3G.2 - Air Cooler (Seawater), Air Side                                          |
| 1626 |         | M611/26-0015 | ISA-7765-00003872 | Perform Three Monthly Cleaning and Inspection of the Recirculating Air System 3H.3 -   |
| 1627 |         |              |                   | Dust Filter of Air Cooler (Seawater) - Types CLR H1                                    |
| 1628 |         | M611/26-0018 | ISA-7765-00003875 | Perform Three Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air |
| 1629 |         |              |                   | System 3H.3 - Air Cooler (Seawater) - CLR H1 & H2                                      |
| 1630 |         | M611/26-0023 | ISA-7765-00003880 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air   |
| 1631 | 5120037 |              |                   | System 3H.3 - Air Cooler (Chilled Water)                                               |
| 1632 |         | M611/26-0028 | ISA-7765-00003885 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air   |
| 1633 |         |              |                   | System 3H.3 - Air Cooler (Seawater), Air Side                                          |
| 1634 |         | M611/26-0035 | ISA-7765-00003891 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air System 3H.3 - Air |
| 1635 |         |              |                   | Heaters and Air Coolers in Ducts Outside the Citadel, Type HTR H1                      |
| 1636 |         | M611/26-     | ISA-7765-         | Perform Three Monthly Inspection of the Recirculation Air System 3H.3 -                |

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|             |  |  | 0608            | 00003936 | Fire Protection Flaps |
| 5120033A015 |  |  | Centrifugal Fan |          |                       |
| 5120033A015 |  |  | Centrifugal Fan |          |                       |

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| 1638 |             |                               | M611/26-0014 | ISA-7765-00003871 | Perform Three Monthly Cleaning and Inspection of the Recirculating Air System 3J.4 - Dust |
| 1639 |             |                               |              |                   | Filter of Air Cooler (Seawater) - Types CLR J1                                            |
| 1640 |             |                               |              |                   | Perform Three Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air    |
| 1641 |             |                               |              |                   | System 3J.4 - Air Cooler (Seawater)                                                       |
| 1642 |             |                               | M611/26-0024 | ISA-7765-00003881 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air      |
| 1643 | 5120039     | Recirculating Air System 3J.4 |              |                   | System 3J.4 - Air Cooler (Chilled Water)                                                  |
| 1644 |             |                               | M611/26-0029 | ISA-7765-00003886 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Recirculating Air      |
| 1645 |             |                               |              |                   | System 3J.4 - Air Cooler (Seawater), Air Side                                             |
| 1646 |             |                               | M611/26-0036 | ISA-7765-00003892 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air System 3J.4 - Air    |
| 1647 |             |                               |              |                   | Heaters and Air Coolers in Ducts Outside the Citadel, Type HTR J2                         |
| 1648 | 5120039A002 | Three Phase Motor             | M611/26-0605 | ISA-7765-00003322 | Perform Three Monthly Cleaning and Inspection of the Exhaust Air System 01G12, Axial      |
| 1649 |             |                               |              |                   | Fans, Type NK 10 L - Electric Motor and Casing                                            |

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| 1650 | 5120039A004 | Three Phase Motor                  | M611/26-0605 | ISA-7765-00003323 | Perform Three Monthly Cleaning and Inspection of the Exhaust Air System 01G12, Axial    |
| 1651 |             |                                    |              |                   | Fans, Type NK 10 L - Electric Motor and Casing                                          |
| 1652 | 5120041     | Supply Air System 2A.1             | M611/26-0020 | ISA-7765-00003877 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Supply Air System    |
| 1653 |             |                                    |              |                   | 2A.1 - Air Cooler (Chilled Water)                                                       |
| 1654 |             |                                    | M611/26-0031 | ISA-7765-00003888 | Perform Six Monthly Cleaning and Inspection of the Supply Air System 2A.1 - Air Heats & |
| 1655 |             |                                    |              |                   | Air Coolers In Ducts Outside The Citadel, Type HER A1                                   |
| 1656 | 5120043     | Supply Air System 2K.2             | M611/26-0025 | ISA-7765-00003882 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger, Supply Air System    |
| 1657 |             |                                    |              |                   | 2K.2 - Air Cooler (Chilled Water)                                                       |
| 1658 |             |                                    | M611/26-0037 | ISA-7765-00003893 | Perform Six Monthly Cleaning and Inspection of the Supply Air System 2K2 - Air Heaters  |
| 1659 |             |                                    |              |                   | and Air Coolers in Ducts Outside the Citadel, Type HTR Three                            |
| 1660 | 5120047A001 | Axial Fan, for Air Cooling of Main | M611/26-0606 | ISA-7765-00003138 | Perform Three Monthly Inspection and Cleaning of the Supply Air System 1H.4, Axial Fans |
| 1661 |             | Exhaust Ducts, (Supply 2J11)       |              |                   | Type P-Y8L15 - Electric Motor and Casing                                                |

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| 1662 | 5120048     | Supply Air System<br>01C.5 | M611/26-<br>0033 | ISA-7765-<br>00004081 | Perform Six Monthly Cleaning and Inspection of the Supply Air System<br>01C.5 - Air Heaters |
| 1663 |             |                            |                  |                       | & Air Coolers in Ducts Outside the Citadel, Type C12                                        |
| 1664 |             |                            | M611/26-<br>0022 | ISA-7765-<br>00003879 | Perform Six Monthly Cleaning and Inspection of the Heat Exchanger,<br>Supply Air System     |
| 1665 |             |                            |                  |                       | 01G.6 - Air Cooler (Chilled Water)                                                          |
| 1666 |             |                            | M611/26-<br>0034 | ISA-7765-<br>00003890 | Perform Six Monthly Cleaning and Inspection of the Supply Air System<br>01G.6 - Air Heaters |
| 1667 | 5120050     | Supply Air System<br>01G.6 |                  |                       | and Air Coolers in Ducts Outside the Citadel, Types HTR G7, G9, H10                         |
| 1668 |             |                            | M611/26-<br>0055 | ISA-7765-<br>00003910 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets,<br>Supply Air System |
| 1669 |             |                            |                  |                       | 01G.6 - Supply Air Box with Electric Heater                                                 |
| 1670 | 5120073A001 | Centrifugal Fan            | M611/26-<br>0603 | ISA-7765-<br>00003934 | Perform Three Monthly Inspection of the Exhaust Air System 01F19,<br>Centrifugal Fans TYPE  |
| 1671 |             |                            |                  |                       | RER - Electric Motor and Casing                                                             |
| 1672 |             |                            | M611/26-<br>000C | ISA-7765-<br>00005367 | Perform , Calibration and Adjustment of the Air Conditioning System,                        |
| 1673 |             |                            |                  |                       | Temperature Controllers - Type LP929A and B                                                 |

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| M611/26-000E | ISA-7765-00005368 | Perform , Adjustment of the Air Conditioning System - Pneumatic Actuator, Type                 |
|              |                   | MP953 Gradutrol-Relay                                                                          |
| M611/26-0901 | ISA-7765-00005369 | Perform , Testing of the Air Conditioning System, Temperature Controllers -                    |
|              |                   | Type LP929A and B                                                                              |
| M611/26-1102 | ISA-7765-00003939 | Perform Six Monthly Cleaning of the Air Conditioning System, ACU Air Cooler - Air Side         |
|              |                   | Perform Three Monthly Cleaning and Inspection of the Air Cooling Units LKG (RAC) - Dust Filter |

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| M612/8-0006 | ISA-7765-00003944 | Perform Three Monthly Cleaning and Inspection of the Air Conditioning Unit, KG L - Dust Filter   |
| M612/8-0007 | ISA-7765-00003945 | Perform Three Monthly Cleaning and Inspection of the Air Conditioning Unit, KG LI - Dust Filter  |
| M612/8-0008 | ISA-7765-00003946 | Perform Three Monthly Cleaning and Inspection of the Air Conditioning Unit, KG LII - Dust Filter |
| M612/8-0009 | ISA-7765-00003947 | Perform Three Monthly Cleaning and Inspection of the Air Conditioning Unit, KGV L - Dust Filter  |
| M612/8-0033 | ISA-7765-00003963 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air        |
|             |                   | Heaters and Air Coolers in Ducts Outside the Citadel, Types HER H7 & H8                          |

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| 1686 | M612/8-0046 | ISA-7765-00003160 | Perform Annual Cleaning, Inspection and Replacement of the Steam Humidifier                                                                                |
| 1687 |             |                   | Perform Three Monthly Inspection of the Climate Control Devices (Electrical), Air Conditioning System, Heat Exchanger - Control Valves and Valve Actuators |
| 1688 | M612/8-0637 | ISA-7765-00004008 | Perform Three Monthly Inspection of the Control Equipment, Pneumatic, Heat Exchangers - Control Valves                                                     |
| 1689 | M612/8-4603 | ISA-7765-00005544 | Replace the Air Conditioning System - Inlet Valve                                                                                                          |
| 1690 |             |                   | Replace the Air Conditioning System - Wire Fuse on The Control Print                                                                                       |
| 1692 | M612/8-4608 | ISA-7765-00005549 | Replace the Air Conditioning System - Straight-way Valve Type                                                                                              |
| 1693 |             |                   | V5822A - Valve Insert                                                                                                                                      |
| 1694 | M612/8-4609 | ISA-7765-00005550 | Replace the Air Conditioning System - Three-way Valve Type                                                                                                 |
| 1695 |             |                   | V5823A - Valve Insert                                                                                                                                      |
| 1696 | M612/8-4610 | ISA-7765-00005551 | Replace the Air Conditioning System - Three-way Valve Type                                                                                                 |
| 1697 |             |                   | V5833A - Packing Nut                                                                                                                                       |

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| M612/8-4611 | ISA-7765-00005552 | Perform , Maintenance of the Air Conditioning System - Duct Hygrostat, Type HGK3 |
| M612/8-4612 | ISA-7765-00005553 | Replace the Air Conditioning System - Three-way Valve Type                       |
|             |                   | V5013R Packing                                                                   |
| M612/8-4613 | ISA-7765-00005554 | Replace the Air Conditioning System - Three-way Valve Type                       |

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|             |                   | V5329A Packing                                            |
| M612/8-4614 | ISA-7765-00005555 | Replace of the Air Conditioning System - Temperature      |
|             |                   | Controllers, Type LP929A and B Filter                     |
| M612/8-4615 | ISA-7765-00005556 | Replace the Air Conditioning System - Temperature         |
|             |                   | Controllers, Type TP970A and B Restrictor Block           |
|             |                   | Replace the Air Conditioning System - Pneumatic Actuator, |
|             |                   | Type MP953A and C Diaphragm                               |
| M612/8-4617 | ISA-7765-00005558 | Replace the Air Conditioning System - Pneumatic Actuator, |

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| 1711 |         |              |                   | Type MP95B and D Diaphragm                                                                    |                           |
| 1712 |         | M612/8-4618  | ISA-7765-00005559 | Replace the Air Conditioning System - Pneumatic Actuator,                                     |                           |
| 1713 |         |              |                   | Type MP953 Gradutrol-Relay                                                                    |                           |
| 1714 |         | M611/26-0078 | ISA-7765-00003917 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System C - ACU Air Cooler |                           |
| 1716 |         | M612/8-0015  | ISA-7765-00003147 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System C - Air            |                           |
| 1717 |         |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR C2 to C5, C7, C13                |                           |
| 1718 |         | M612/8-0039  | ISA-7765-00003153 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets, Air Conditioning       |                           |
| 1719 |         |              |                   | System C - Supply Air Box with Electric Heater                                                |                           |
| 1720 |         | M612/8-0048  | ISA-7765-00003970 | Perform Six Monthly Cleaning and Inspection of the Sanitary Units, Air Conditioning           |                           |
| 1721 |         |              |                   | System C - Air Cooler and Heater                                                              |                           |
| 1722 |         | M612/8-0057  | ISA-7765-00003166 | Perform Annual Inspection of the Ventilation Module 3C - Clean                                |                           |
| 1723 | 5140001 |              |                   | Perform Three Monthly Inspection of the Air Conditioning System 3C, Aircon Units - V-Belt     | Air Conditioning System C |

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| 1724 |  |  |              | & Pulleys         |                                                                                       |
| 1725 |  |  | M612/8-4606  | ISA-7765-00005547 | Perform , Replacement of the Air Conditioning System - ODOUR Filter                   |
| 1726 |  |  |              |                   | Perform , Replacement of the Air Conditioning System - Universal Input                |
| 1727 |  |  |              |                   | Controller - Battery                                                                  |
| 1728 |  |  | M71/47-0652  | ISA-7765-00003057 | Perform Annual Inspection of the Air Conditioning System C, ACU Type KG - Vibration   |
| 1729 |  |  |              |                   | Dampers, Flexible Connectors and Earthing Connection                                  |
| 1730 |  |  | M611/26-1801 | ISA-7765-00005373 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment |
| 1732 |  |  | M611/26-4608 | ISA-7765-00005445 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                         |
| 1733 |  |  |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing              |
| 1735 |  |  | M612/8-1801  | ISA-7765-00005528 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment      |
| 1737 |  |  | M612/8-4628  | ISA-7765-00005582 | Replace the Centrifugal Fan Type RDR - Clamping Ring Bearing                          |
| 1738 |  |  | M612/8-4629  | ISA-7765-00005585 | Perform , Replacement of the Centrifugal Fan in Units Type KG LII ACU - V-Belt        |
| 1739 |  |  | M612/8-4635  | ISA-7765-00005693 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                              |
| 1740 |  |  |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                   |

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| 1742 |                                                                              |  | M471/40-4604 | ISA-7765-00004405 | Replace the Centrifugal Fan Type RDR-400 - E-Motor Bearing                                                                                                 |
| 1743 |                                                                              |  |              |                   | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System D - ACU Air Cooler                                                              |
| 1744 | 5140001A009<br>Three Phase Motor, Air Conditioning System C, Centrifugal Fan |  | M612/8-0018  | ISA-7765-00003148 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System D - Air Heaters & Air Coolers in Ducts Outside the Citadel, Types HTR D2 to D11 |
| 1745 |                                                                              |  | M612/8-0058  | ISA-7765-00003167 | Perform Annual Inspection of the Ventilation Module 3D - Clean                                                                                             |
| 1746 |                                                                              |  |              |                   | Perform Three Monthly Inspection of the Air Conditioning System 3D, Aircon Units - V-Belt & Pulleys                                                        |
| 1747 |                                                                              |  | M612/8-0653  | ISA-7765-00003123 | Perform Annual Inspection of the Air Conditioning System D, ACU Type KG - Vibration Dampers, Flexible Connectors and Earthing Connection                   |
| 1748 |                                                                              |  | M471/40-4602 | ISA-7765-00005299 | Perform, Replacement of the Centrifugal Fan in Units Type KG LI ACU - V-Belt                                                                               |
| 1749 |                                                                              |  |              |                   | Perform, Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                                                                       |

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| 1750 |             |                 | M611/26-4608 | ISA-7765-00005446 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                   |
| 1751 |             |                 |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing        |
| 1752 | 5140003A008 | Centrifugal Fan | M612/8-1801  | ISA-7765-00005529 | Perform, Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment |

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| 1753 |  |  | M612/8-4631  | ISA-7765-00005596 | Replace the Centrifugal Fan Type RDR-355 - Clamping Ring Bearing                              |
| 1754 |  |  | M612/8-4635  | ISA-7765-00005694 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                      |
| 1755 |  |  |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                           |
| 1756 |  |  | M611/26-0080 | ISA-7765-00003919 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System E - ACU Air Cooler |
| 1757 |  |  |              |                   |                                                                                               |
| 1758 |  |  | M612/8-0024  | ISA-7765-00003954 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System E - Air            |
| 1759 |  |  |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR E2, E4, E5, E10                  |
| 1760 |  |  | M612/8-0042  | ISA-7765-00003156 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets, Air Conditioning       |
| 1761 |  |  |              |                   | System E - Supply Air Box with Electric Heater                                                |
| 1762 |  |  | M612/8-0049  | ISA-7765-00003971 | Perform Six Monthly Cleaning and Inspection of the Sanitary Units, Air Conditioning           |
| 1763 |  |  |              |                   | System E - Air Cooler and Heater                                                              |
| 1764 |  |  | M612/8-0059  | ISA-7765-00003168 | Perform Annual Inspection of the Ventilation Module 3E - Damage, and Clean if Necessary       |
| 1765 |  |  |              |                   | Perform Three Monthly Inspection of the Air Conditioning System 3E,                           |

Air Conditioning  
System E

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|      |  |              |                   | Aircon Units - V-Belt                                                                 |  |
| 1766 |  |              |                   | & Pulleys                                                                             |  |
| 1767 |  | M612/8-0654  | ISA-7765-00003124 | Perform Annual Inspection of the Air Conditioning System E, ACU Type KG - Vibration   |  |
| 1768 |  |              |                   | Dampers, Flexible Connectors and Earthing Connection                                  |  |
| 1769 |  | M471/40-4602 | ISA-7765-00005300 | Perform , Replacement of the Centrifugal Fan in Units Type KG LI ACU - V-Belt         |  |
| 1770 |  |              |                   | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment |  |

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| 1772 | 5140005A008 Centrifugal Fan | M611/26-4608 | ISA-7765-00005447 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                    |  |
| 1773 |                             |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing         |  |
| 1775 |                             | M612/8-1801  | ISA-7765-00005530 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment |  |
| 1777 |                             | M612/8-4631  | ISA-7765-00005597 | Replace of the Centrifugal Fan Type RDR-355 - Clamping Ring bearing              |  |
| 1779 |                             | M612/8-4635  | ISA-7765-00005695 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                         |  |
| 1780 |                             |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing              |  |

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| 1782 |         |                           | M611/26-0081 | ISA-7765-00003920 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System F - ACU Air cooler       |
| 1784 |         |                           | M612/8-0026  | ISA-7765-00003956 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System F - Air                  |
| 1785 |         |                           |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR F1, F12, F14                           |
| 1786 |         |                           | M612/8-0043  | ISA-7765-00003157 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets, Air Conditioning             |
| 1787 |         |                           |              |                   | System F - Supply Air Box with Electric Heater                                                      |
| 1788 | 5140007 | Air Conditioning System F | M612/8-0047  | ISA-7765-00003969 | Perform Six Monthly Cleaning and Inspection of the Sanitary Units, Air Conditioning                 |
| 1789 |         |                           |              |                   | System F - Air Cooler and Heater                                                                    |
| 1790 |         |                           | M612/8-0054  | ISA-7765-00003163 | Perform Annual Inspection of the Ventilation Module 2F - Damage, and Clean if Necessary             |
| 1791 |         |                           |              |                   | Perform Three Monthly Inspection of the Air Conditioning System 2F, Aircon Units - V-Belt & pulleys |
| 1793 |         |                           | M612/8-0655  | ISA-7765-00003125 | Perform Annual Inspection of the Air Conditioning System F, ACU Type KG - Vibration                 |
| 1794 |         |                           |              |                   | Dampers, Flexible Connectors and Earthing Connection                                                |

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| 1795 |  | M612/8-4605  | ISA-7765-00005546 | Perform , Replacement of the Air Conditioning System - ODOUR Filter                   |
| 1796 |  | M471/40-4602 | ISA-7765-00005301 | Perform , Replacement of the Centrifugal Fan in Units Type KG LI ACU - V-Belt         |
| 1797 |  |              |                   | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment |
| 1799 |  | M611/26-4608 | ISA-7765-00005448 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                         |

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| 1800 | 5140007A008 | Centrifugal Fan           |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                      |
| 1801 |             |                           | M612/8-1801  | ISA-7765-00005531 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment              |
| 1802 |             |                           | M612/8-4631  | ISA-7765-00005598 | Replace the Centrifugal Fan Type RDR-355 - Clamping Ring Bearing                              |
| 1803 |             |                           | M612/8-4635  | ISA-7765-00005696 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                      |
| 1804 |             |                           |              |                   | Replace of Ventilation System Centrifugal Fans - Clamping Ring Bearing                        |
| 1805 | 5140009     | Air Conditioning System G | M611/26-0082 | ISA-7765-00003921 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System G - ACU Air Cooler |
| 1807 |             |                           | M612/8-      | ISA-7765-         | Perform Six Monthly Cleaning and Inspection of the Air Conditioning                           |

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|      |             |                 | 0030         | 00003960          | System G - Air Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR G8                                                           |
| 1808 |             |                 | M612/8-0044  | ISA-7765-00003158 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets, Air Conditioning System G - Supply Air Box with Electric Heater   |
| 1809 |             |                 | M612/8-0051  | ISA-7765-00003162 | Perform Annual Cleaning and Inspection of the Sanitary Units, Air Conditioning System G - Air Cooler and Heater                          |
| 1810 |             |                 | M612/8-0055  | ISA-7765-00003164 | Perform Annual Inspection of the Ventilation Module 2G - Damage, and Clean if Necessary                                                  |
| 1811 |             |                 |              |                   | Perform Three Monthly Inspection of the Air Conditioning System 2G, Aircon Units - V-Belt & Pulleys                                      |
| 1812 |             |                 | M612/8-0656  | ISA-7765-00003126 | Perform Annual Inspection of the Air Conditioning System G, ACU Type KG - Vibration Dampers, Flexible Connectors and Earthing Connection |
| 1813 |             |                 | M471/40-4602 | ISA-7765-00005302 | Perform, Replacement of the Centrifugal Fan in Units Type KG LI ACU - V-Belt                                                             |
| 1814 |             |                 |              |                   | Perform, Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                                                     |
| 1816 | 5140009A008 | Centrifugal Fan | M611/26-4608 | ISA-7765-00005449 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                                                            |
| 1817 |             |                 |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                                                                 |
| 1819 |             |                 | M612/8-1801  | ISA-7765-00005532 | Perform, Adjustment on Ventilation System Centrifugal Fans; Pulleys - Alignment                                                          |

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| 1821 |  | M612/8-4631  | ISA-7765-00005599 | Replace the Centrifugal Fan Type RDR-355 - Clamping Ring Bearing                |
| 1823 |  | M612/8-4635  | ISA-7765-00005697 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                        |
| 1824 |  |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing             |
| 1826 |  | M611/26-0077 | ISA-7765-00003916 | Perform Annual Inspection and Replacement of the Control Equipment, Pneumatic - |

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| 1827 | 5140011 | Air Conditioning System H |                   |                                                                                               | Pressure Regulator and Filter Assembly |
| 1828 |         | M611/26-0083              | ISA-7765-00003922 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System H - ACU Air cooler |                                        |
| 1830 |         | M612/8-0032               | ISA-7765-00003962 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System H - Air            |                                        |
| 1831 |         |                           |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Types HTR H3 & H5                         |                                        |
| 1832 |         | M612/8-0045               | ISA-7765-00003159 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets, Air Conditioning       |                                        |
| 1833 |         |                           |                   | System H - Supply Air Box with Electric Heater                                                |                                        |
| 1834 |         | M612/8-0060               | ISA-7765-00003169 | Perform Annual Inspection of the Ventilation Module 3H - Clean                                |                                        |
| 1835 |         |                           |                   | Perform Annual Cleaning and Inspection of the Branch Switchboards - Switchboxes and           |                                        |
| 1836 |         |                           |                   | Terminal Boxes, Air Conditioning System H - Switchbox Fire Protection Flaps                   |                                        |

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| 1837 |             |                                     | M612/8-0631  | ISA-7765-00004004 | Perform Three Monthly Inspection of the Air Conditioning System 3H, Aircon Units - V-Belt & pulleys |
| 1839 |             |                                     | M612/8-0634  | ISA-7765-00003977 | Perform Three Monthly Inspection of the Air Conditioning System H - Fire Protection Flaps           |
| 1840 |             |                                     |              |                   | Perform Annual Inspection of the Air Conditioning System H, ACU Type KG - Vibration                 |
| 1841 |             |                                     |              |                   | Dampers, Flexible Connectors and Earthing Connection                                                |
| 1842 |             |                                     | M611/26-1801 | ISA-7765-00005378 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment               |
| 1844 |             |                                     | M611/26-4608 | ISA-7765-00005450 | Replace of Air Conditioning Centrifugal Fans - Tapered Lock Bush                                    |
| 1845 |             |                                     |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                            |
| 1847 | 5140011A008 | Centrifugal Fan                     | M612/8-1801  | ISA-7765-00005533 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment                    |
| 1849 |             |                                     | M612/8-4625  | ISA-7765-00005568 | Perform , Replacement of the Centrifugal Fan in Units Type KGL ACU - V-Belt                         |
| 1850 |             |                                     |              |                   | Replace the Centrifugal Fan Type RDR-280 - Clamping Ring bearing                                    |
| 1852 |             |                                     | M612/8-4635  | ISA-7765-00005698 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                            |
| 1853 |             |                                     |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                 |
| 1855 | 5140011A009 | Three Phase Motor, Air Conditioning | M471/40-4605 | ISA-7765-00004407 | Replace the Centrifugal Fan Type RDR-280 - E-Motor Bearing                                          |
| 1856 |             | System H, Centrifugal Fan           |              |                   |                                                                                                     |

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| 1857 |             |                           | M612/8-0034  | ISA-7765-00003964 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System J - Air                 |
| 1858 |             |                           |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Types HTR J1, J3 to J7                         |
| 1859 |             |                           | M612/8-0056  | ISA-7765-00003165 | Perform Annual Inspection of the Ventilation Module 2J - Clean                                     |
| 1860 | 5140013     | Air Conditioning System J |              |                   | Perform Three Monthly Inspection of the Air Conditioning System 2J, Aircon Units - V-Belt & pulley |
| 1862 |             |                           | M612/8-0658  | ISA-7765-00003128 | Perform Annual Inspection of the Air Conditioning System J, ACU Type KG - Vibration                |
| 1863 |             |                           |              |                   | Dampers, Flexible Connectors and Earthing Connection                                               |
| 1864 |             |                           | M612/8-0670  | ISA-7765-00004014 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System J - ACU Air cooler      |
| 1866 | 5140013A008 | Centrifugal Fan           | M611/26-1801 | ISA-7765-00005379 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment              |
| 1868 |             |                           | M611/26-4608 | ISA-7765-00005451 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                      |
| 1869 |             |                           |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                           |
| 1871 |             |                           |              |                   | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment                   |
| 1873 |             |                           | M612/8-4628  | ISA-7765-00005583 | Replace the Centrifugal Fan Type RDR - Clamping Ring Bearing                                       |
| 1874 |             |                           | M612/8-4629  | ISA-7765-00005586 | Perform , Replacement of the Centrifugal Fan in Units Type KG LII ACU - V-Belt                     |
| 1875 |             |                           | M612/8-4635  | ISA-7765-00005699 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                           |

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| 1876 |             |                 |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                   |
| 1878 |             |                 | M611/26-0085 | ISA-7765-00003923 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System ACU 1D11 - ACU Air Cooler  |
| 1880 |             |                 | M612/8-0019  | ISA-7765-00003149 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System D - Air                    |
| 1881 |             |                 |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Types HTR D13, D16, D18, D25                      |
| 1882 |             |                 | M612/8-0040  | ISA-7765-00003154 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets, Air Conditioning               |
| 1883 |             |                 |              |                   | System (ACU 1D11) - Supply Air Box with Electric Heater                                               |
| 1884 |             |                 | M612/8-0621  | ISA-7765-00003994 | Perform Three Monthly Inspection of the Air Conditioning System 1D11, Aircon Units - V-Belt & Pulleys |
| 1886 |             |                 | M612/8-0659  | ISA-7765-00003129 | Perform Annual Inspection of the Air Conditioning System ACU 1D11, Type KG - Vibration                |
| 1887 |             |                 |              |                   | Dampers, Flexible Connectors and Earthing Connection                                                  |
| 1888 |             |                 | M471/40-4602 | ISA-7765-00005303 | Perform , Replacement of the Centrifugal Fan in Units Type KG LI ACU - V-Belt                         |
| 1889 |             |                 |              |                   | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                 |
| 1891 | 5140015A002 | Centrifugal Fan | M611/26-4608 | ISA-7765-00005452 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                         |
| 1892 |             |                 |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                              |
| 1894 |             |                 | M612/8-1801  | ISA-7765-00005535 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment                      |

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| 1896 |             |                 | M612/8-4631  | ISA-7765-00005600 | Replace the Centrifugal Fan Type RDR-355 - Clamping Ring Bearing                                      |
| 1898 |             |                 | M612/8-4635  | ISA-7765-00005700 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                              |
| 1899 |             |                 |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                   |
| 1901 |             |                 | M611/26-0086 | ISA-7765-00003924 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System ACU 2E11 -                 |
| 1902 |             |                 |              |                   | ACU Air Cooler                                                                                        |
| 1903 |             |                 | M612/8-0025  | ISA-7765-00003955 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System E - Air                    |
| 1904 |             |                 |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR E9                                       |
| 1905 |             |                 | M612/8-0035  | ISA-7765-00003965 | Perform Three Monthly Inspection of the Air Conditioning System 2E - Fire Protection Flaps            |
| 1907 |             |                 |              |                   | Perform Three Monthly Inspection of the Air Conditioning System 2E11, Aircon Units - V-Belt & Pulleys |
| 1909 |             |                 | M612/8-0660  | ISA-7765-00003130 | Perform Annual Inspection of the Air Conditioning System ACU 2E11, Type KG - Vibration                |
| 1910 |             |                 |              |                   | Dampers, Flexible Connectors and Earthing Connection                                                  |
| 1911 | 5140017A002 | Centrifugal Fan | M611/26-1801 | ISA-7765-00005381 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                 |

5140015 Air Conditioning System (1D11)

5140015 Air Conditioning System (1D11)

|      |         |                                |              |                   |                                                                                                       |
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| 1913 |         |                                | M611/26-4608 | ISA-7765-00005453 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                         |
| 1914 |         |                                |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                              |
| 1916 |         |                                | M612/8-1801  | ISA-7765-00005536 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment                      |
| 1918 |         |                                | M612/8-4625  | ISA-7765-00005569 | Perform , Replacement of the Centrifugal Fan in Units Type KGL ACU - V-Belt                           |
| 1919 |         |                                |              |                   | Replace the Centrifugal Fan Type RDR-280 - Clamping Ring bearing                                      |
| 1921 |         |                                | M612/8-4635  | ISA-7765-00005701 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                              |
| 1922 |         |                                |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                   |
| 1924 | 5140019 | Air Conditioning System (2H11) | M611/26-0087 | ISA-7765-00003925 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System ACU 2H11 - ACU Air Cooler  |
| 1926 |         |                                | M612/8-0031  | ISA-7765-00003961 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System H - Air                    |
| 1927 |         |                                |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR H2                                       |
| 1928 |         |                                | M612/8-0626  | ISA-7765-00003999 | Perform Three Monthly Inspection of the Air Conditioning System 2H11, Aircon Units - V-Belt & Pulleys |
| 1930 |         |                                | M612/8-0661  | ISA-7765-00003131 | Perform Annual Inspection of the Air Conditioning System ACU 2H11, Type KG - Vibration                |

|      |  |                                                                    |              |                   |                                                                                       |
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| 1931 |  |                                                                    |              |                   | Dampers, Flexible Connectors and Earthing Connection                                  |
| 1932 |  |                                                                    | M611/26-1801 | ISA-7765-00005382 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment |
| 1934 |  |                                                                    | M611/26-4608 | ISA-7765-00005454 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                         |
| 1935 |  |                                                                    |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing              |
| 1937 |  |                                                                    | M612/8-1801  | ISA-7765-00005537 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment      |
|      |  | 5140019A002 Centrifugal Fan                                        |              |                   |                                                                                       |
| 1939 |  |                                                                    | M612/8-4625  | ISA-7765-00005570 | Perform , Replacement of the Centrifugal Fan in Units Type KGLACU - V-Belt            |
| 1940 |  |                                                                    |              |                   | Replace the Centrifugal Fan Type RDR-280 - Clamping Ring Bearing                      |
| 1942 |  |                                                                    | M612/8-4635  | ISA-7765-00005702 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                              |
| 1943 |  |                                                                    |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                   |
| 1945 |  | Three Phase Motor, Air Conditioning System (2H11), Centrifugal Fan | M471/40-4605 | ISA-7765-00004406 | Perform , Replacement of the Centrifugal Fan Type RDR-280 - E-Motor Bearing           |

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| 1946 | 5140021     | Air Conditioning System (1C11) | M611/26-0092 | ISA-7765-00003930 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System ACU 1C11 - ACU Air Cooler  |
| 1948 |             |                                | M612/8-0016  | ISA-7765-00003951 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System C - Air                    |
| 1949 |             |                                |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR C6                                       |
| 1950 |             |                                | M612/8-0632  | ISA-7765-00004005 | Perform Three Monthly Inspection of the Air Conditioning System 1C11, Aircon Units - V-Belt & Pulleys |
| 1952 |             |                                | M612/8-0666  | ISA-7765-00003136 | Perform Annual Inspection of the Air Conditioning System ACU 1C11, Type KGV1 -                        |
| 1953 |             |                                |              |                   | Vibration Dampers, Flexible Connectors and Earthing Connection                                        |
| 1954 | 5140021A002 | Centrifugal Fan                | M611/26-1801 | ISA-7765-00005383 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                 |
| 1956 |             |                                | M611/26-4608 | ISA-7765-00005455 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                         |
| 1957 |             |                                |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                              |
| 1959 |             |                                | M612/8-1801  | ISA-7765-00005538 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment                      |
| 1961 |             |                                | M612/8-4624  | ISA-7765-00005566 | Perform , Replacement of the Centrifugal Fan in Units Type KGV - V-Belt                               |
| 1962 |             |                                | M612/8-4627  | ISA-7765-00005580 | Replace the Centrifugal Fan Type RDV - Clamping Ring Bearing                                          |

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| 1963 |             |                                                                    | M612/8-4635  | ISA-7765-00005703 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                                              |
| 1964 |             |                                                                    |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                                   |
| 1965 |             |                                                                    |              |                   |                                                                                                                       |
| 1966 | 5140021A003 | Three Phase Motor, Air Conditioning System (2C11), Centrifugal Fan | M471/40-4606 | ISA-7765-00004409 | Perform , Replacement of the Centrifugal Fan Type RDV-200 - E-Motor Bearing                                           |
| 1967 |             |                                                                    | M612/8-0601  | ISA-7765-00005502 | Perform Three Monthly Inspection of the Air Conditioning System, Centrifugal Fan Type RDV - Electric Motor and Casing |
| 1969 |             |                                                                    | M611/26-0088 | ISA-7765-00003926 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System ACU 1F11 - ACU Air Cooler                  |
| 1971 |             |                                                                    | M612/8-0027  | ISA-7765-00003957 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System F - Air                                    |
| 1972 |             |                                                                    |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR F6 to F9                                                 |
| 1973 | 5140023     | Air Conditioning System (1F11)                                     | M612/8-0052  | ISA-7765-00003972 | Perform Six Monthly Cleaning and Disinfecting of the Sanitary Units, Air Conditioning                                 |
| 1974 |             |                                                                    |              |                   | System (ACU 1F11) - Operating Theatre Air Ducts                                                                       |
| 1975 |             |                                                                    | M612/8-0053  | ISA-7765-00003973 | Perform Six Monthly Inspection, Cleaning and Disinfecting of the Sanitary Units, Air                                  |

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| 1976 |                             |              |                   |  | Conditioning System (ACU 1F11), Light Head - Fresnel Lens                                                               |
| 1977 |                             | M612/8-0622  | ISA-7765-00003995 |  | Perform Three Monthly Inspection of the Air Conditioning System 1F11, Aircon Units - V-Belt & Pulleys                   |
| 1979 |                             |              |                   |  | Perform Annual Inspection of the Air Conditioning System ACU 1F11, Type KG - Vibration                                  |
| 1980 |                             |              |                   |  | Dampers, Flexible Connectors and Earthing Connection                                                                    |
| 1981 |                             | M612/8-4601  | ISA-7765-00004015 |  | Perform Six Monthly Replacement of the Sanitary Units, Air Conditioning System (ACU 1F11) - Micron Filter (Hepa-Filter) |
| 1983 |                             | M471/40-4602 | ISA-7765-00005304 |  | Perform , Replacement of the Centrifugal Fan in Units Type KG LI ACU - V-Belt                                           |
| 1984 |                             |              |                   |  | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                                   |
| 1986 |                             | M611/26-4608 | ISA-7765-00005456 |  | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                                           |
| 1987 | 5140023A002 Centrifugal Fan |              |                   |  | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                                                |
| 1989 |                             | M612/8-1801  | ISA-7765-00005539 |  | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment                                        |
| 1991 |                             | M612/8-4631  | ISA-7765-00005601 |  | Replace the Centrifugal Fan Type RDR-355 - Clamping Ring Bearing                                                        |
| 1993 |                             | M612/8-4635  | ISA-7765-00005704 |  | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                                                |

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| 1994 |             |                                                                    |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                     |
| 1996 | 5140023A003 | Three Phase Motor, Air Conditioning System (2F11), Centrifugal Fan | M471/40-4603 | ISA-7765-00004404 | Replace the Centrifugal Fan Type RDR-355 - E-Motor Bearing                              |
| 1997 |             |                                                                    | M612/8-4602  | ISA-7765-00005499 | Perform One Thousand Hourly Replacement of the Sanitary Units, Air Conditioning System  |
| 1998 |             |                                                                    |              |                   | (ACU 1F11), Light Head - Bulb                                                           |
| 1999 |             |                                                                    | M611/26-0089 | ISA-7765-00003927 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System ACU 01D12 -  |
| 2000 |             |                                                                    |              |                   | ACU Air Cooler                                                                          |
| 2001 | 5140025     | Air Conditioning System (01D12)                                    | M612/8-0020  | ISA-7765-00003150 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System D - Air      |
| 2002 |             |                                                                    |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR D22                        |
| 2003 |             |                                                                    | M612/8-0041  | ISA-7765-00003155 | Perform Annual Cleaning and Inspection of the Air Intakes and Outlets, Air Conditioning |
| 2004 |             |                                                                    |              |                   | System (ACU 01D12) - Supply Air Box with Electric Heater                                |
| 2005 |             |                                                                    | M612/8-0602  | ISA-7765-00003976 | Perform Three Monthly Inspection of the Air Conditioning System, Centrifugal Fans Type  |
| 2006 |             |                                                                    |              |                   | RDR - Electric Motor and Casing                                                         |



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|      |  |                             | 0090         | 00003928          | System ACU 02D13 - ACU Air Cooler                                                                     |  |
| 2026 |  |                             | M612/8-0022  | ISA-7765-00003152 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System D - Air                    |  |
| 2027 |  |                             |              |                   | Heaters & Air Coolers in Ducts Outside the Citadel, Type HTR D28                                      |  |
| 2028 |  |                             | M612/8-0619  | ISA-7765-00003992 | Perform Three Monthly Inspection of the Air Conditioning System 02D13, Aircon Units- V-Belt & Pulleys |  |
| 2030 |  |                             | M612/8-0664  | ISA-7765-00003134 | Perform Annual Inspection of the Air Conditioning System ACU 02D13, Type KG -                         |  |
| 2031 |  |                             |              |                   | Vibration Dampers, Flexible Connectors and Earthing Connection                                        |  |
| 2032 |  |                             | M611/26-1801 | ISA-7765-00005386 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys - Alignment                 |  |
| 2034 |  |                             | M611/26-4608 | ISA-7765-00005458 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                         |  |
| 2035 |  |                             |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                              |  |
| 2037 |  | 5140027A002 Centrifugal Fan | M612/8-1801  | ISA-7765-00005541 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys - Alignment                      |  |
| 2039 |  |                             | M612/8-4625  | ISA-7765-00005571 | Perform , Replacement of the Centrifugal Fan in Units Type KGL ACU - V-Belt                           |  |
| 2040 |  |                             |              |                   | Replace the Centrifugal Fan Type RDR-280 - Clamping Ring Bearing                                      |  |
| 2042 |  |                             | M612/8-4635  | ISA-7765-00005706 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                              |  |
| 2043 |  |                             |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring                                           |  |

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| 2045 | 5140029     | Recirculating Air Cooling System (4C11) | M612/8-0014 | ISA-7765-00003146 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air                                                                     |
| 2046 |             |                                         |             |                   | Heats & Air Coolers in Ducts Outside the Citadel, Type HER C1                                                                                                 |
| 2047 |             |                                         | M612/8-0615 | ISA-7765-00003988 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 4C11, Air Cooling Units - V-belt & Pulleys                                           |
| 2049 |             |                                         | M612/8-4623 | ISA-7765-00005560 | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC) - V-Belt                                                                                |
| 2050 |             |                                         | M612/8-4633 | ISA-7765-00005607 | Replace the Centrifugal Fan Type NDV175 - E-Motor Bearing                                                                                                     |
| 2051 | 5140029A002 | Centrifugal Fan                         |             |                   | Perform Three Monthly Inspection of the Recirculating Air Cooling System 4C12, Air Cooling Units - V-belt & Pulleys                                           |
| 2053 |             |                                         | M612/8-0639 | ISA-7765-00004010 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 4c12, Air Cooling Units Type LKG - Vibration Dampers, Flexible & Earthing Connects      |
| 2055 |             |                                         | M612/8-4623 | ISA-7765-00005561 | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC) - V-Belt                                                                                |
| 2056 |             |                                         | M612/8-4633 | ISA-7765-00005608 | Perform , Replacement of the Centrifugal Fan Type NDV175 - E-Motor Bearing                                                                                    |
| 2057 |             |                                         |             |                   | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air Heats & Air Coolers in Ducts Outside the Citadel, Types HER B1 & B2 |

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| 5140027 | Air Conditioning System (02D13) |
| 5140027 | Air Conditioning System (02D13) |

## 5140030A002 Centrifugal Fan

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| 2059 |                             |                                         | M612/8-0611  | ISA-7765-00003984 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 3B11, Air Cooling Units - V-belt & Pulleys                                       |
| 2061 |                             |                                         | M612/8-0640  | ISA-7765-00003115 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 3B11, Air Cooling                                                                   |
| 2062 |                             |                                         |              |                   | Units Type LKG - Vibration Dampers, Flexible & Earthing Connects                                                                                          |
| 2063 |                             |                                         | M611/26-4608 | ISA-7765-00005459 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                                                                             |
| 2064 |                             |                                         |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                                                                                  |
| 2066 |                             |                                         | M612/8-4626  | ISA-7765-00005572 | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                                                                                              |
| 2067 | 5140033A002 Centrifugal Fan |                                         |              |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC LIJ) - V-belt                                                                        |
| 2069 |                             |                                         | M612/8-4634  | ISA-7765-00005613 | Replace the Centrifugal Fan Type 2 X NDV200 - E-Motor Bearing                                                                                             |
| 2070 |                             |                                         | M612/8-4635  | ISA-7765-00005707 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                                                                                  |
| 2071 |                             |                                         |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                                                                       |
| 2072 |                             | Recirculating Air Cooling System (4D11) | M612/8-0017  | ISA-7765-00003952 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air Heaters & Air Coolers in Ducts Outside the Citadel, Type HER D1 |
| 2073 | 5140034                     |                                         | M612/8-0617  | ISA-7765-00004082 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 4D11, Air Cooling Units - V-belt & Pulleys                                       |
| 2074 |                             |                                         | M612/8-0641  | ISA-7765-00003116 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 4D11, Air Cooling Units Type LKG - Vibration Dampers, Flexible &                    |

|      |                             |                                         |              | Earthing Connects |                                                                                                                                                          |
|------|-----------------------------|-----------------------------------------|--------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2075 | 5140034A002                 | Centrifugal Fan                         | M612/8-4623  | ISA-7765-00005562 | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC) - V-Belt                                                                           |
| 2076 |                             |                                         | M612/8-4633  | ISA-7765-00005609 | Perform , Replacement of the Centrifugal Fan Type NDV175 - E-Motor Bearing                                                                               |
| 2077 |                             |                                         |              |                   | Perform Three Monthly Inspection of the Recirculating Air Cooling System, Centrifugal Fans Type NED - Electric Motor and Casing                          |
| 2078 |                             |                                         | M612/8-0612  | ISA-7765-00003985 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 3K11, Air Cooling Units - V-belt & Pulleys                                      |
| 2079 | 5140039                     | Recirculating Air Cooling System (3K11) |              |                   | Perform Annual Inspection of the Recirculation Air Cooling System RCU 3K11, Air Cooling Units Type LKG - Vibration Dampers, Flexible & Earthing Connects |
| 2080 |                             |                                         | M71/47-0035  | ISA-7765-00004051 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air Heaters and Coolers in Ducts Outside the Citadel, Type HTR K1  |
| 2081 |                             |                                         | M611/26-4608 | ISA-7765-00005460 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                                                                            |
| 2082 |                             |                                         |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                                                                                 |
|      | 5140030A002 Centrifugal Fan |                                         |              |                   |                                                                                                                                                          |

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| 2083 | 5140039A002 | Centrifugal Fan                         | M612/8-4626 | ISA-7765-00005573 | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                                                                                                |
| 2084 |             |                                         |             |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC LI) - V-belt                                                                           |
| 2086 |             |                                         | M612/8-4634 | ISA-7765-00005614 | Replace the Centrifugal Fan Type 2 X NDV200 - E-Motor Bearing                                                                                               |
| 2088 |             |                                         | M612/8-4635 | ISA-7765-00005708 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                                                                                    |
| 2089 |             |                                         |             |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                                                                         |
| 2091 |             |                                         | M612/8-0037 | ISA-7765-00003967 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air Heaters and Air Coolers in Ducts Outside the Citadel, Type HER L1 |
| 2093 | 5140041     | Recirculating Air Cooling System (3L11) | M612/8-0613 | ISA-7765-00003986 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 3L11, Air Cooling Units - V-belt & Pulleys                                         |
| 2094 |             |                                         | M612/8-0643 | ISA-7765-00003118 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 3L11, Air Cooling Units Type LKG - Vibration Dampers, Flexible & Earthing Connects    |
| 2095 |             |                                         | M612/8-4623 | ISA-7765-00005563 | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC) - V-Belt                                                                              |
| 2096 | 5140041A002 | Centrifugal Fan                         | M612/8-4633 | ISA-7765-00005610 | Replace the Centrifugal Fan Type NDV175 - E-Motor Bearing                                                                                                   |

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| 2097 |                             |              |                   | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air Heaters and Air Coolers in Ducts Outside the Citadel, Type HER L2 |
| 2098 |                             | M612/8-0614  | ISA-7765-00003987 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 3L12, Air Cooling Units - V-belt & Pulleys                                         |
| 2099 |                             | M612/8-0644  | ISA-7765-00003119 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 3L12, Air Cooling Units Type LKG - Vibration Dampers, Flexible & Earthing Connects    |
| 2100 |                             | M612/8-4623  | ISA-7765-00005564 | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC) - V-Belt                                                                              |
| 2101 |                             | M612/8-4633  | ISA-7765-00005611 | Replace the Centrifugal Fan Type NDV175 - E-Motor Bearing                                                                                                   |
| 2102 | 5140043A002 Centrifugal Fan |              |                   | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air Heats & Air Coolers in Ducts Outside the Citadel, Type HER B3     |
| 2103 |                             | M612/8-0610  | ISA-7765-00003983 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 2B12, Air Cooling Units - V-belt & Pulleys                                         |
| 2104 |                             | M612/8-0645  | ISA-7765-00003120 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 2B12, Air Cooling Units Type LKG - Vibration Dampers, Flexible & Earthing Connects    |
| 2105 |                             | M611/26-4608 | ISA-7765-00005461 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                                                                               |

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| 2106 |             |                                         |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                                            |
| 2107 |             | M612/8-4626                             | ISA-7765-00005574 | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                                                        |
| 2108 | 5140045A002 | Centrifugal Fan                         |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC LII) - V-belt                                  |
| 2109 |             | M612/8-4634                             | ISA-7765-00005615 | Perform , Replacement of the Centrifugal Fan Type 2 X NDV200 - E-Motor Bearing                                      |
| 2110 |             | M612/8-4635                             | ISA-7765-00005709 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                                            |
| 2111 |             |                                         |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                                                 |
| 2112 | 5140047     | Recirculating Air Cooling System (1H11) | ISA-7765-00003981 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 1H11, Air Cooling Units - V-belt & Pulleys |
| 2113 |             |                                         | ISA-7765-00004011 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 1H11, Air Cooling                             |
| 2114 |             |                                         |                   | Units Type LKG - Vibration Dampers, Flexible & Earthing Connects                                                    |
| 2115 | 5140047A002 | Centrifugal Fan                         | ISA-7765-00005462 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                                                       |

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| 2116 |             |             |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing              |
| 2118 |             | M612/8-4626 | ISA-7765-00005575 | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                          |
| 2119 |             |             |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC LII) - V-belt    |
| 2121 |             | M612/8-4634 | ISA-7765-00005616 | Perform , Replacement of the Centrifugal Fan Type 2 X NDV200 - E-Motor Bearing        |
| 2123 |             | M612/8-4635 | ISA-7765-00005710 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                              |
| 2124 |             |             |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                   |
| 2126 | 5140047A003 | M612/8-0603 | ISA-7765-00005504 | Perform Three Monthly Inspection of the Recirculating Air Cooling System, Centrifugal |
| 2127 |             |             |                   | Fans Type NED - Electric Motor and Casing                                             |
| 2128 | 5140049     | M612/8-0609 | ISA-7765-00003982 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 1H12, Air    |
| 2129 |             |             |                   | Cooling Units - V-belt & Pulleys                                                      |

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| 2130 |             |                                                             | M612/8-0647  | ISA-7765-00004012 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 1H12, Air Cooling |
| 2131 |             |                                                             |              |                   | Units Type LKG - Vibration Dampers, Flexible & Earthing Connects                        |
| 2132 |             |                                                             | M611/26-4608 | ISA-7765-00005463 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                           |
| 2133 | 5140049A002 | Centrifugal Fan                                             |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                |
| 2135 |             |                                                             | M612/8-4626  | ISA-7765-00005576 | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                            |
| 2136 |             |                                                             |              |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC III) - V-belt      |
| 2138 |             |                                                             | M612/8-4634  | ISA-7765-00005617 | Perform , Replacement of the Centrifugal Fan Type 2 X NDV200 - E-Motor Bearing          |
| 2140 |             |                                                             | M612/8-4635  | ISA-7765-00005711 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                |
| 2141 |             |                                                             |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                     |
| 2143 | 5140049A003 | Three Phase Motor, Recirculating Air Cooling System (1H12), | M612/8-0603  | ISA-7765-00005505 | Perform Three Monthly Inspection of the Recirculating Air Cooling System, Centrifugal   |

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|      |             | Centrifugal fan                          |              |                   |  |                                                                                           |  |
| 2144 |             |                                          |              |                   |  | Fans Type NED - Electric Motor and Casing                                                 |  |
| 2145 |             |                                          | M612/8-0029  | ISA-7765-00003959 |  | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air |  |
| 2146 |             |                                          |              |                   |  | Heaters and Air Coolers in Ducts Outside the Citadel, Type HER F13                        |  |
| 2147 |             |                                          | M612/8-0606  | ISA-7765-00003979 |  | Perform Three Monthly Inspection of the Recirculating Air Cooling System 01F12, Air       |  |
| 2148 | 5140051     | Recirculating Air Cooling System (01F12) |              |                   |  | Cooling Units - V-belt & Pulleys                                                          |  |
| 2149 |             |                                          | M612/8-0648  | ISA-7765-00004013 |  | Perform Annual Inspection of the Recirculation Air Cooling System RCU 01F12, Air Cooling  |  |
| 2150 |             |                                          |              |                   |  | Units Type LKG - Vibration Dampers, Flexible & Earthing Connects                          |  |
| 2151 |             |                                          | M611/26-4608 | ISA-7765-00005464 |  | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                             |  |
| 2152 |             |                                          |              |                   |  | Replace Air Conditioning System Centrifugal Fans - Clamping                               |  |
| 2153 |             |                                          |              |                   |  | Ring Bearing                                                                              |  |
| 2154 | 5140051A002 | Centrifugal Fan                          | M612/8-4626  | ISA-7765-00005577 |  | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                              |  |

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| 2155 |         |              |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC LI) -                |
| 2156 |         |              |                   | V-belt                                                                                    |
| 2157 |         | M612/8-4634  | ISA-7765-00005618 | Perform , Replacement of the Centrifugal Fan Type 2 X NDV200 - E-Motor                    |
| 2158 |         |              |                   | Bearing                                                                                   |
| 2159 |         | M612/8-4635  | ISA-7765-00005712 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                  |
| 2160 |         |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring                               |
| 2161 |         |              |                   | Bearing                                                                                   |
| 2162 |         | M611/26-0091 | ISA-7765-00003929 | Perform Six Monthly Cleaning and Inspection of the Recirculation Air Cooling System RCU   |
| 2163 |         |              |                   | 03D12 - ACU Air Cooler                                                                    |
| 2164 | 5140053 | M612/8-0021  | ISA-7765-00003151 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air |
| 2165 |         |              |                   | Heaters and Air Coolers in Ducts Outside the Citadel, Type HER D24                        |
| 2166 |         | M612/8-0620  | ISA-7765-00003993 | Perform Three Monthly Inspection of the Air Conditioning System 03D12, Aircon Units -     |

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| 2167 |             |              |                   | V-Belt & Pulleys                                                                       |                 |
| 2168 |             | M612/8-0665  | ISA-7765-00003135 | Perform Annual Inspection of the Recirculating Air Cooling System RCU 03D12, Type KG - |                 |
| 2169 |             |              |                   | Vibration Dampers, Flexible Connectors and Earthing Connection                         |                 |
| 2170 |             | M611/26-1801 | ISA-7765-00005387 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys -            |                 |
| 2171 |             |              |                   | Alignment                                                                              |                 |
| 2172 |             | M611/26-4608 | ISA-7765-00005465 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                          |                 |
| 2173 |             |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping                            |                 |
| 2174 |             |              |                   | Ring Bearing                                                                           |                 |
| 2175 |             | M612/8-1801  | ISA-7765-00005542 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys -                 |                 |
| 2176 |             |              |                   | Alignment                                                                              |                 |
| 2177 |             | M612/8-4628  | ISA-7765-00005584 | Replace the Centrifugal Fan Type RDR - Clamping Ring Bearing                           |                 |
| 2178 | 5140053A002 | M612/8-4629  | ISA-7765-00005587 | Replace the Centrifugal Fan in Units Type KG LII ACU - V-Belt                          | Centrifugal Fan |

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| 2179 |             |                                  | M612/8-4635  | ISA-7765-00005713 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                  |
| 2180 |             |                                  |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring                               |
| 2181 |             |                                  |              |                   | Bearing                                                                                   |
| 2182 | 5140055     | Recirculating Air Cooling System | M612/8-0028  | ISA-7765-00003958 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air |
| 2183 |             | (01F11)                          |              |                   | Heaters and Air Coolers in Ducts Outside the Citadel, Type HER.F11                        |
| 2184 |             |                                  | M612/8-0050  | ISA-7765-00003161 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 01F11, Air Cooling  |
| 2185 |             |                                  |              |                   | Units Type LKG - Vibration Dampers, Flexible & Earthing Connects                          |
| 2186 |             |                                  | M612/8-0605  | ISA-7765-00003172 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 01F11, Air       |
| 2187 |             |                                  |              |                   | Cooling Units - V-belt & Pulleys                                                          |
| 2188 |             |                                  | M611/26-4608 | ISA-7765-00005466 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                             |
| 2189 | 5140055A002 | Centrifugal Fan                  |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping Ring Bearing                  |
| 2191 |             |                                  | M612/8-4626  | ISA-7765-00005578 | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                              |

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| 2192 |             |              |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC LI) - V-belt         |
| 2194 |             | M612/8-4634  | ISA-7765-00005619 | Perform , Replacement of the Centrifugal Fan Type 2 X NDV200 - E-Motor Bearing            |
| 2196 |             | M612/8-4635  | ISA-7765-00005714 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                  |
| 2197 |             |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring Bearing                       |
| 2199 |             | M612/8-0013  | ISA-7765-00003950 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air |
| 2200 |             |              |                   | Heats & Air Coolers in Ducts Outside the Citadel, Type HER B5                             |
| 2201 |             | M612/8-0607  | ISA-7765-00003980 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 1B13, Air        |
| 2202 |             |              |                   | Cooling Units - V-belt & Pulleys                                                          |
| 2203 | 5140057     | M612/8-0650  | ISA-7765-00003121 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 1B13, Air Cooling   |
| 2204 |             |              |                   | Units Type LKG - Vibration Dampers, Flexible & Earthing Connects                          |
| 2205 | 5140057A002 | M611/26-4608 | ISA-7765-00005467 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                             |
| 2206 |             |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping                               |

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| 2207 |         |              |                   | Ring Bearing                                                                              |                                         |
| 2208 |         | M612/8-4626  | ISA-7765-00005579 | Replace the Centrifugal Fan Type NDV - Clamping Ring Bearing                              |                                         |
| 2209 |         |              |                   | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC (LI)) -              |                                         |
| 2210 |         |              |                   | V-belt                                                                                    |                                         |
| 2211 |         | M612/8-4634  | ISA-7765-00005620 | Perform , Replacement of the Centrifugal Fan Type 2 X NDV200 - E-Motor                    |                                         |
| 2212 |         |              |                   | Bearing                                                                                   |                                         |
| 2213 |         | M612/8-4635  | ISA-7765-00005715 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                                  |                                         |
| 2214 |         |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring                               |                                         |
| 2215 |         |              |                   | Bearing                                                                                   |                                         |
| 2216 |         | M611/26-0093 | ISA-7765-00003931 | Perform Six Monthly Cleaning and Inspection of the Air Conditioning System RCU 3K12 -     |                                         |
| 2217 |         |              |                   | ACU Air Cooler                                                                            |                                         |
| 2218 | 5140059 | M612/8-0036  | ISA-7765-00003966 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air | Recirculating Air Cooling System (3K12) |

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| 2219 |                             |              |                   | Heaters and Air Coolers in Ducts Outside the Citadel, Type HER K2                     |
| 2220 |                             | M612/8-0633  | ISA-7765-00004006 | Perform Three Monthly Inspection of the Recirculating Air Cooling System 3K12, Aircon |
| 2221 |                             |              |                   | Units - V-belt & Pulleys                                                              |
| 2222 |                             | M612/8-0638  | ISA-7765-00004009 | Perform Six Monthly Inspection of the Recirculation Air Cooling System RCU 3K12, Air  |
| 2223 |                             |              |                   | Cooling Units Type LKG - Vibration Dampers, Flexible & Earthing Connects              |
| 2224 |                             | M612/8-0667  | ISA-7765-00003137 | Perform Annual Recirculating Inspection of the Air Cooling System RCU 3K12, Type KGV1 |
| 2225 |                             |              |                   | - Vibration Dampers, Flexible Connectors and Earthing Connection                      |
| 2226 |                             | M611/26-1801 | ISA-7765-00005388 | Perform , Adjustment on Air Conditioning System Centrifugal Fans, Pulleys -           |
| 2227 |                             |              |                   | Alignment                                                                             |
| 2228 |                             | M611/26-4608 | ISA-7765-00005468 | Replace Air Conditioning Centrifugal Fans - Tapered Lock Bush                         |
| 2229 |                             |              |                   | Replace Air Conditioning System Centrifugal Fans - Clamping                           |
| 2230 | 5140059A002 Centrifugal Fan |              |                   | Ring Bearing                                                                          |

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| 2231 |             | M612/8-1801  | ISA-7765-00005543 | Perform , Adjustment on Ventilation System Centrifugal Fans, Pulleys -                |
| 2232 |             |              |                   | Alignment                                                                             |
| 2233 |             | M612/8-4624  | ISA-7765-00005567 | Perform , Replacement of the Centrifugal Fan in Units Type KGV - V-Belt               |
| 2234 |             | M612/8-4627  | ISA-7765-00005581 | Replace the Centrifugal Fan Type RDV - Clamping Ring Bearing                          |
| 2235 |             | M612/8-4635  | ISA-7765-00005716 | Replace Ventilation Centrifugal Fans - Tapered Lock Bush                              |
| 2236 |             |              |                   | Replace Ventilation System Centrifugal Fans - Clamping Ring                           |
| 2237 |             |              |                   | Bearing                                                                               |
| 2238 | 5140059A003 | M471/40-4606 | ISA-7765-00004408 | Perform , Replacement of the Centrifugal Fan Type RDV-200 - E-Motor Bearing           |
| 2239 |             |              |                   |                                                                                       |
| 2240 |             | M612/8-0601  | ISA-7765-00005498 | Perform Three Monthly Inspection of the Air Conditioning System, Centrifugal Fan Type |
| 2241 |             |              |                   | RDV - Electric Motor and Casing                                                       |

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| 2242 | 5140061 | Reheater Switch, Box System | M612/8-0062 | ISA-7765-00003171 | Perform Annual Inspection and Cleaning of the Branch Switchboards - Switchboxes and       |
| 2243 |         |                             |             |                   | Terminal Boxes, Reheater Switchbox System - Switchboards Reheaters                        |
| 2244 |         |                             | M612/8-0023 | ISA-7765-00003953 | Perform Six Monthly Cleaning and Inspection of the Recirculating Air Cooling System - Air |
| 2245 |         |                             |             |                   | Heaters and Air Coolers in Ducts Outside the Citadel, Type HER D31                        |

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| 2246 | 5140063     | Recirculating Air Cooling System |             |                   | Perform Three Monthly Inspection of the Recirculating Air Cooling System 01D13, Air      |
| 2247 |             |                                  |             |                   | Cooling Units - V-belt & Pulleys                                                         |
| 2248 |             |                                  | M612/8-0651 | ISA-7765-00003122 | Perform Annual Inspection of the Recirculation Air Cooling System RCU 01D13, Air Cooling |
| 2249 |             |                                  |             |                   | Units Type LKG - Vibration Dampers, Flexible & Earthing Connects                         |
| 2250 | 5140063A002 | Centrifugal Fan                  | M612/8-4623 | ISA-7765-00005565 | Perform , Replacement of the Centrifugal Fans in Units Type LKG (RAC) - V-Belt           |
| 2251 |             |                                  | M612/8-4633 | ISA-7765-00005612 | Perform , Replacement of the Centrifugal Fan Type NDV175 - E-Motor Bearing               |
| 2252 |             |                                  |             |                   | Perform Three Monthly Inspection of the Recirculating Air Cooling System, Centrifugal    |

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| 2253 |      |                      |              | Fans Type NED - Electric Motor and Casing                                             |                                                              |
| 2254 | 5160 | Refrigeration System | M583/11-0001 | ISA-7765-00005318                                                                     | Replace the Sea Water Cooling System                         |
| 2255 |      |                      |              | Generator Diesel Engines - Seawater Filter Inserts                                    |                                                              |
| 2256 |      |                      | M583/11-0007 | ISA-7765-00005329                                                                     | Replace the Seawater Cooling Pump, Main                      |
| 2257 |      |                      |              | Machinery Exhaust - Refrigeration Plant for Provision Rooms Filter Inserts            |                                                              |
| 2258 |      |                      | M610/30-0605 | ISA-7765-00003838                                                                     | Replace the Provisions Refrigeration Plant - Combined        |
| 2259 |      |                      |              | High-Low Pressure Switch                                                              |                                                              |
| 2260 |      |                      | M610/30-0606 | ISA-7765-00003839                                                                     | Replace the Provisions Refrigeration Plant - Pressure Gauges |
| 2261 |      |                      |              | Perform Three Monthly Inspection of the Provisions Refrigeration Plant - Thermostatic |                                                              |
| 2262 |      |                      |              | Expansion Valve                                                                       |                                                              |
| 2263 |      |                      | M610/30-0608 | ISA-7765-00003841                                                                     | Replace the Provisions Refrigeration Plant - All Shut-Off    |
| 2264 |      |                      |              | Valves                                                                                |                                                              |
| 2265 |      |                      | M610/30-0609 | ISA-7765-00003842                                                                     | Replace the Provisions Refrigeration Plant - Safety Valves   |

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| 2266 |         |                                | M610/30-0610 | ISA-7765-00003843 | Replace the Provisions Refrigeration Plant - Solenoid Valves                              |
| 2267 | 5160001 | Provisions Refrigeration Plant |              |                   | Replace the Provisions Refrigeration Plant - Sea Cooling                                  |
| 2268 |         |                                |              |                   | Water Regulating Valve                                                                    |
| 2269 |         |                                | M610/30-0612 | ISA-7765-00003845 | Replace the Provisions Refrigeration Plant - Compensators                                 |
| 2270 |         |                                |              |                   | Replace the Provisions Refrigeration Plant - Oil Pressure                                 |
| 2271 |         |                                |              |                   | Differential Pressure                                                                     |
| 2272 |         |                                | M610/30-0614 | ISA-7765-00003847 | Replace the Provisions Refrigeration Plant - Switchboard                                  |
| 2273 |         |                                | M610/30-0615 | ISA-7765-00003848 | Perform Annual Inspection of the Provisions Refrigeration Plant - Terminal Boxes          |
| 2274 |         |                                | M610/30-0616 | ISA-7765-00003849 | Perform Annual Inspection of the Provisions Refrigeration Plant - Coupling                |
| 2275 |         |                                |              |                   | Perform Annual Inspection of the Provisions Refrigeration Plant - Shock Mounts, Fastening |
| 2276 |         |                                |              |                   | Screws and Insulation                                                                     |
| 2277 |         |                                | M610/30-     | ISA-7765-         | Replace the Provisions Refrigeration Plant - Condenser Tubes                              |

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| 1101 | 00003851     |                   |                                                                                     |
| 2278 |              |                   | Replace the Provisions Refrigeration Plant - Oil Pressure                           |
| 2279 |              |                   | Differential Pressure                                                               |
| 2280 | M610/30-1806 | ISA-7765-00005351 | Replace the Provisions Refrigeration Plant - Compressor                             |
| 2281 |              |                   | Replace the Provisions Refrigeration Plant - Thermostatic                           |
| 2282 |              |                   | Expansion Valve                                                                     |
| 2283 | M617/20-1902 | ISA-7765-00005745 | Perform , Operation of Automatic Halogen Leak Detector on Water Chiller Unit        |
| 2284 | M617/20-2601 | ISA-7765-00005747 | Perform , Refilling of the Water Chiller Unit - Refrigerant                         |
| 2285 | M617/20-2602 | ISA-7765-00005748 | Perform , Refilling of the Water Chiller Unit - Compressor Oil                      |
| 2286 | M617/20-3701 | ISA-7765-00005749 | Perform , Draining of the Water Chiller Unit - Dehydration                          |
| 2287 |              |                   | Perform Three Monthly Inspection of the Provision Refrigeration Plant, Compressor - |
| 2288 | 5160001A002  |                   | Damage and Cleanliness                                                              |

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| 2289 |  |  | M610/30-0618 | ISA-7765-00005501 | Perform Annual Inspection of the Provisions Refrigeration Plant - Compressor          |
| 2290 |  |  |              |                   | Perform Ten Thousand Hourly Service on the Provision Refrigeration Plant - Compressor |
| 2291 |  |  |              |                   | (Oil Change)                                                                          |
| 2292 |  |  | M610/30-1806 | ISA-7765-00004603 | Perform , Adjustment of the Provisions Refrigeration Plant - Compressor               |
| 2293 |  |  |              |                   | Replace the Provisions Refrigeration Plant - Shaft Seal of the                        |
| 2294 |  |  |              |                   | Compressor                                                                            |
| 2295 |  |  | M617/20-1902 | ISA-7765-00004597 | Perform , Operation of Automatic Halogen Leak Detector on Water Chiller Unit          |
| 2296 |  |  |              | ISA-7765-00006045 | Replace or calibrate all pressure gauges on Provision and Chilled Water Units.        |
| 2297 |  |  |              |                   |                                                                                       |
| 2298 |  |  | M610/30-0603 | ISA-7765-00005509 | Perform Three Monthly Inspection of the Provision Refrigeration Plant, Compressor -   |
| 2299 |  |  |              |                   | Damage and Cleanliness                                                                |
| 2300 |  |  | M610/30-0618 | ISA-7765-00005510 | Perform Annual Inspection of the Provisions Refrigeration Plant - Compressor          |
| 2301 |  |  |              |                   | Perform Ten Thousand Hourly Service on the Provision Refrigeration Plant - Compressor |

5160001A004  
Compressor Unit 2,  
Provisions  
Refrigeration  
Plant

|                  |                                                          |  |              |                   |                                                                                                |  |
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| 2302             |                                                          |  |              |                   | (Oil Change)                                                                                   |  |
| 2303             |                                                          |  | M610/30-1806 | ISA-7765-00004602 | Perform , Adjustment of the Provisions Refrigeration Plant - Compressor                        |  |
| 2304             |                                                          |  |              |                   | Perform , Replacement of the Provisions Refrigeration Plant - Shaft Seal of the                |  |
| 2305             |                                                          |  |              |                   | Compressor                                                                                     |  |
| 2306             |                                                          |  | M617/20-1902 | ISA-7765-00004596 | Perform , Operation of Automatic Halogen Leak Detector on Water Chiller Unit                   |  |
| 2307 5160001A008 | Sea Cooling Water Pump 1, Provisions Refrigeration Plant |  | M420/2-0701  | ISA-0000010893    | Perform Ten Thousand Hourly (Three Annual) Overhaul of the Pump NB 25-200/01 U3.1D             |  |
| 2308 5160001A009 | Sea Cooling Water Pump 2, Provisions Refrigeration Plant |  |              | ISA-7765-00006092 | Conduct the following maintenance on 2 x Sea Water cooling pumps for the Refrigeration system. |  |

|      |  |  |              |                   |                                                                                                                                    |  |
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| 2309 |  |  |              |                   | Remove, inspect, refurbish and install both pumps by checking impeller and replacing if necessary, also renewing mechanical seals. |  |
| 2310 |  |  | M420/2-0701  | ISA-0000010892    | Perform Ten Thousand Hourly (Three Annual) Overhaul of the Pump NB 25-200/01 U3.1D                                                 |  |
| 2311 |  |  | M610/31-0603 | ISA-7765-00003852 | Replace the Wet Waste Refrigeration Plant - Compressor                                                                             |  |
| 2312 |  |  |              |                   | Replace the Wet Waste Refrigeration Plant - Combined                                                                               |  |
| 2313 |  |  |              |                   | High-low Pressure Switch                                                                                                           |  |

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| 2314 |
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| M610/31-0605 | ISA-7765-00003854 | Replace the Wet Waste Refrigeration Plant - Pressure Gauges     |
|              |                   | Replace the Wet Waste Refrigeration Plant - Thermostatic        |
|              |                   | Expansion Valve                                                 |
| M610/31-0607 | ISA-7765-00003856 | Replace the Wet Waste Refrigeration Plant - Shut-Off Valves     |
| M610/31-0608 | ISA-7765-00003857 | Replace the Wet Waste Refrigeration Plant - Safety Valve        |
| M610/31-0609 | ISA-7765-00003858 | Replace the Wet Waste Refrigeration Plant - Solenoid Valve      |
|              |                   | Replace the Wet Waste Refrigeration Plant - Chilled Water       |
|              |                   | Regulating Valve                                                |
| M610/31-0611 | ISA-7765-00003860 | Replace the Wet Waste Refrigeration Plant - Compensators        |
| M610/31-0612 | ISA-7765-00003861 | Replace the Wet Waste Refrigeration Plant - Pressure Switch     |
| M610/31-0614 | ISA-7765-00003863 | Replace Wet Waste Refrigeration Plant - Terminal Boxes          |
|              |                   | Replace Wet Waste Refrigeration Plant - Shock Mounts, Fastening |
|              |                   | Screws and Insulation                                           |
| M610/31-0616 | ISA-7765-00003865 | Replace the Wet Waste Refrigeration Plant - Compressor          |
| M610/31-1101 | ISA-7765-00005353 | Replace the Wet Waste Refrigeration Plant - Condenser Tubes     |

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| 2329 |                                             |              |                   | Replace the Wet Waste Refrigeration Plant - Thermostatic      |
| 2330 | 5160004<br>Wet Waste<br>Refrigeration Plant |              |                   | Expansion Valve - Superheat Setting                           |
| 2331 |                                             | M610/31-1802 | ISA-7765-00005355 | Replace the Wet Waste Refrigeration Plant - Combined High-low |
| 2332 |                                             |              |                   | Pressure Switch                                               |
| 2333 |                                             | M610/31-1803 | ISA-7765-00005356 | Replace the Wet Waste Refrigeration Plant - Chilled Water     |
| 2334 |                                             |              |                   | Pressure Switch                                               |
| 2335 |                                             | M610/31-1804 | ISA-7765-00005357 | Replace the Wet Waste Refrigeration Plant - Chilled Water     |
| 2336 |                                             |              |                   | Regulating Valve                                              |
| 2337 |                                             | M610/31-1805 | ISA-7765-00005358 | Replace the Wet Waste Refrigeration Plant - Compressor        |
| 2338 |                                             | M610/31-2601 | ISA-7765-00005359 | Replace the Wet Waste Refrigeration Plant - Refrigerant       |
| 2339 |                                             | M610/31-3701 | ISA-7765-00005360 | Replace the Wet Waste Refrigeration Plant - Condenser         |
| 2340 |                                             |              |                   | Replace the Wet Waste Refrigeration Plant - Valve Insert Of   |

|      |              |                   |                                                               |
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| 2341 |              |                   | Solenoid Valve, Type EVR 6                                    |
| 2342 | M610/31-4602 | ISA-7765-00005362 | Replace the Wet Waste Refrigeration Plant - Valve Insert GR03 |
| 2343 |              |                   | of Thermostatic Expansion Valve                               |
| 2344 | M610/31-4603 | ISA-7765-00005363 | Replace the Wet Waste Refrigeration Plant - Thermostatic      |
| 2345 |              |                   | Expansion Valve                                               |
| 2346 | M610/31-4604 | ISA-7765-00005364 | Replace the Wet Waste Refrigeration Plant - Filter Drier      |
| 2347 |              |                   | Replace the Wet Waste Refrigeration Plant - Evaporating       |
| 2348 |              |                   | Pressure Regulator                                            |
| 2349 |              |                   | Replace the Wet Waste Refrigeration Plant - Combined          |
| 2350 |              |                   | High-Low Pressure Switch                                      |

|      |              |                                        |                   |                                                                            |                                                                                |
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| 2351 |              | M617/20-1902                           | ISA-7765-00005746 | Perform Operation of Automatic Halogen Leak Detector on Water Chiller Unit |                                                                                |
| 2352 |              | M617/20-3701                           | ISA-7765-00005750 | Perform Draining, flushing and refilling of the Water Chiller Unit system  |                                                                                |
| 2353 | 51600004A045 | Control Panel, Wet Waste Refrigeration | M610/31-0613      | ISA-7765-00003862                                                          | Perform Annual Inspection of the Wet Waste Refrigeration Plant - Control Panel |

|      |         | Plant            |             |                   |                                                                                        |
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| 2354 |         |                  | M618/3-0001 | ISA-7765-00004024 | Perform Six Monthly Cleaning and Inspection of the Heat Generating Boiler - Fire Rooms |
| 2355 |         |                  |             |                   | Perform Three Monthly Cleaning and Inspecting of the Heat Generating Boiler, Hot Water |
| 2356 |         |                  |             |                   | Circulating Pump                                                                       |
| 2357 |         |                  | M618/3-0004 | ISA-7765-00004026 | Perform Six Monthly Measurement of the Heat Generating Boiler, Flue Gas                |
| 2358 |         |                  |             |                   | Replace the Heat Generating Boiler, Expansion Tanks -                                  |
| 2359 |         |                  |             |                   | Nitrogen Pressure                                                                      |
| 2360 |         |                  | M618/3-4623 | ISA-7765-00005860 | Replace the Fuel Oil Fired Hot Water Boiler - Electric Actuator                        |
| 2361 |         |                  |             |                   | of the Mixing Valve                                                                    |
| 2362 |         |                  | M618/3-4624 | ISA-7765-00005861 | Replace the Fuel Oil Fired Hot Water Boiler - Electric Drive of                        |
| 2363 |         |                  |             |                   | The Control Valve - Air Heater                                                         |
| 2364 |         |                  | M618/3-4625 | ISA-7765-00005862 | Replace the Fuel Oil Fired Hot Water Boiler - Pneumatic Drive                          |
| 2365 | 5170001 | Hot Water Boiler |             |                   | of The Control Valve - Air Heater                                                      |

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| 2366 |  | M618/3-4626 | ISA-7765-00005863 | Replace the Fuel Oil Fired Hot Water Boiler - Solenoid Valve -  |
| 2367 |  |             |                   | Air Heater                                                      |
| 2368 |  | M618/3-4627 | ISA-7765-00005864 | Replace the Fuel Oil Fired Hot Water Boiler - Temperature       |
| 2369 |  |             |                   | Sensor Step I To III                                            |
| 2370 |  | M618/3-4628 | ISA-7765-00005865 | Replace the Fuel Oil Fired Hot Water Boiler - Thermal Cut - Out |
| 2371 |  |             |                   | Replace the Fuel Oil Fired Hot Water Boiler - Safety Thermal    |

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| 2372 |             |                    |                   | Cut - Out                                                         |
| 2373 |             | M618/3-4630        | ISA-7765-00005867 | Replace f the Fuel Oil Fired Hot Water Boiler - Temperature       |
| 2374 |             |                    |                   | Sensor                                                            |
| 2375 |             | M618/3-4631        | ISA-7765-00005868 | Replace the Fuel Oil Fired Hot Water Boiler - Pressure Control    |
| 2376 |             |                    |                   | Switch                                                            |
| 2377 |             | M618/3-4632        | ISA-7765-00005869 | Replace the Fuel Oil Fired Hot Water Boiler - Compensator         |
| 2378 | 5170001A001 | Fuel Oil Fired Hot | ISA-7765-         | Perform Nine Annual Test on the Fuel Oil Fired Hot Water Boiler - |

|      | Water Boiler | 0901        | 00004030          | Pressure Test                                                                  |
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| 2379 |              |             |                   | Replace the Fuel Oil Fired Hot Water Boiler - Hot Water Boiler                 |
| 2380 |              |             |                   | SightGlass                                                                     |
| 2381 |              | M618/3-4602 | ISA-7765-00005853 | Replace the Fuel Oil Fired Hot Water Boiler - Hot Water Boiler                 |
| 2382 |              |             |                   | Front Door Sealing                                                             |
| 2383 |              |             |                   | Replace the Fuel Oil Fired Hot Water Boiler - Hot Water Boiler -               |
| 2384 |              |             |                   | Water Level Cut-Off Microswitch                                                |
| 2385 |              | M618/3-4604 | ISA-7765-00005855 | Replace the Fuel Oil Fired Hot Water Boiler - Hot Water Boiler -               |
| 2386 |              |             |                   | Water Level Cut-off Switch, Switch Unit                                        |
| 2387 |              | M618/3-4605 | ISA-7765-00005856 | Replace the Fuel Oil Fired Hot Water Boiler - Hot Water Boiler -               |
| 2388 |              |             |                   | Water Level Cut-off Switch                                                     |
| 2389 |              | M618/3-4607 | ISA-7765-00005857 | Replace the Fuel Oil Fired Hot Water Boiler - Thermostat                       |
| 2390 |              | M618/3-4608 | ISA-7765-00005858 | Perform , Inspection and Repair of the Fuel Oil Fired Hot Water Boiler - Leaks |
| 2391 |              |             |                   | Replace the Fuel Oil Fired Hot Water Boiler - Exhaust System                   |
| 2392 |              |             |                   | Exhaust Fan Rotor                                                              |

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| 2393 | 5170001A017 Switch Box for | M618/3- | ISA-7765- | Perform Six Monthly Cleaning and Inspection of the Heat Generating |
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|      |             | Boiler, Hot Water<br>Boiler            | 0005            | 00004027              | Boiler, Switchbox                                                                          |  |
| 2394 |             |                                        | M618/3-<br>0002 | ISA-<br>0000012841    | Perform Six Monthly Cleaning and Inspection of the Heat Generating<br>Boiler, Burner       |  |
| 2395 |             |                                        | M618/3-<br>1101 | ISA-<br>0000012842    | Replace the Heat Generating Boiler, Burner - Fuel Filter                                   |  |
| 2396 |             |                                        | M618/3-<br>1102 | ISA-7765-<br>00005518 | Perform Annual Cleaning of the Heat Generating Boiler, Burner - Fuel<br>Pump Filter Screen |  |
| 2397 |             |                                        |                 |                       | Replace the Fuel Oil Fired Hot Water Boiler - Burner Flame                                 |  |
| 2398 |             |                                        |                 |                       | Sensor                                                                                     |  |
| 2399 |             |                                        | M618/3-<br>4610 | ISA-7765-<br>00004495 | Replace the Fuel Oil Fired Hot Water Boiler - Burner Solenoid                              |  |
| 2400 |             |                                        |                 |                       | Valve                                                                                      |  |
| 2401 |             |                                        | M618/3-<br>4611 | ISA-7765-<br>00004496 | Replace the Fuel Oil Fired Hot Water Boiler - Burner Solenoid                              |  |
| 2402 |             |                                        |                 |                       | Valve Coil                                                                                 |  |
| 2403 |             |                                        | M618/3-<br>4612 | ISA-7765-<br>00004497 | Perform , Replacement of the Fuel Oil Fired Hot Water Boiler - Burner<br>Fuel Pump         |  |
| 2404 |             |                                        |                 |                       | Replace the Fuel Oil Fired Hot Water Boiler - Burner Blower                                |  |
|      | 5170001A019 | Burner for Boiler,<br>Hot Water Boiler |                 |                       |                                                                                            |  |

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| 2405 |  |             | Wheel             |                                                               |
| 2406 |  | M618/3-4614 | ISA-7765-00004499 | Replace the Fuel Oil Fired Hot Water Boiler - Burner Nozzle   |
| 2407 |  |             |                   | Replace the Fuel Oil Fired Hot Water Boiler - Burner Ignition |
| 2408 |  |             |                   | Unit                                                          |
| 2409 |  | M618/3-4616 | ISA-7765-00004501 | Replace the Fuel Oil Fired Hot Water Boiler - Burner Control  |
| 2410 |  |             |                   | Replace the Fuel Oil Fired Hot Water Boiler - Burner Servo    |
| 2411 |  |             |                   | Drive                                                         |
| 2412 |  | M618/3-4618 | ISA-7765-00004503 | Replace the Fuel Oil Fired Hot Water Boiler - Burner Ignition |
| 2413 |  |             |                   | Cable                                                         |

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| 2414 |             | M618/3-4622  | ISA-7765-00004505 | Replace the Fuel Oil Fired Hot Water Boiler - Burner Ignition         |
| 2415 |             |              |                   | Electrodes                                                            |
| 2416 | 5170001A030 | M145/13-0016 | ISA-7765-00004245 | Perform , Maintenance on the Exhaust System Gas Boiler - Exhaust Duct |
| 2417 |             |              |                   |                                                                       |

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| 2418 | M145/13-0017 | ISA-7765-00004246     | Perform , Maintenance on the Boiler Exhaust Duct Sensors                               |
| 2419 |              |                       | Perform Six Hundred Hourly (Six Monthly) Inspection of the Exhaust Gas System Boiler - |
| 2420 |              |                       | Hot Water Boiler - Flexible Supports (Wire Isolators)                                  |
| 2421 | M145/13-0674 | ISA-0000012840        | Perform Six Hundred Hourly (Six Monthly) Inspection of the Exhaust Gas System Boiler - |
| 2422 |              |                       | Hot Water Boiler - Injector Nozzles                                                    |
| 2423 | M618/3-4620  | ISA-7765-00004504     | Replace the Fuel Oil Fired Hot Water Boiler - Exhaust System                           |
| 2424 |              |                       | Pressure Monitor                                                                       |
| 2425 | M591/31-0004 | ISA-7765-00005331     | Replace the Sea Water Fire Extinguishing and                                           |
| 2426 |              |                       | Wash-Down System (Pump 1) - Sprinkler Nozzle                                           |
| 2427 | M591/31-0601 | ISA-7765-00003815     | Perform Four Monthly Inspection of the Sea Water Fire Extinguishing and Wash Down      |
| 2428 |              |                       | System, Pipes, Fittings and all System Parts - Leakages                                |
| 2429 | M591/31-0602 | ISA-7765-00003816     | Perform Four Monthly Inspection of the Sea Water Fire Extinguishing and Wash Down      |
|      | 5210         | Firemain and Flushing |                                                                                        |

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| 2430 |  |              | System - Without Pressure |                                                                                       |
| 2431 |  | M591/31-0901 | ISA-7765-00003817         | Perform Four Monthly Test on the Sea Water Fire Extinguishing and Wash Down System -  |
| 2432 |  |              |                           | Sprinkling System                                                                     |
| 2433 |  | M591/31-0902 | ISA-7765-00003818         | Perform Three Monthly Test on the Sea Water Fire Extinguishing and Wash Down System - |
| 2434 |  |              |                           | Shell Cooling and Wash Down System                                                    |

|      |                         |              |                   |                                                                       |
|------|-------------------------|--------------|-------------------|-----------------------------------------------------------------------|
| 2435 |                         | M591/31-1101 | ISA-7765-00003819 | Replace the Sea Water Fire Extinguishing and Wash Down                |
| 2436 |                         |              |                   | System, Fire Pumps and Starter Boxes - Sea Water Filters              |
| 2437 |                         | M591/31-4601 | ISA-7765-00005332 | Replace the Sea Water Fire Extinguishing and Wash-Down                |
| 2438 |                         |              |                   | System (Pump 1) - Spray Nozzle                                        |
| 2439 |                         | M591/30-0701 | ISA-7765-00004437 | Remove, inspect, refurbish and install the Fire Fighting Service Pump |
| 2440 | 5210001A001 Fire Pump 1 | M591/30-0702 | ISA-7765-00004445 | Remove, inspect, refurbish and install the Fire Pump – Electric Motor |
| 2441 |                         |              |                   | Replace of the Sea Water Fire Extinguishing and                       |

|      |             |                                |              |                   |                                                                       |
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| 2442 |             |                                |              |                   | Wash-Down System (Pump 1) - Sea Water Filter Element                  |
| 2443 |             |                                | M591/31-0003 | ISA-7765-00004461 | Replace the Sea Water Fire Extinguishing and                          |
| 2444 |             |                                |              |                   | Wash-Down System (Pump 1) - In-line Pressure Indicator                |
| 2445 | 5210001A002 | Three Phase Motor, Fire Pump 1 | M583/10-4604 | ISA-7765-00004425 | Replace the Three Phase Fire Pump Motor - E-Motor Bearings            |
| 2446 |             |                                | M591/30-0701 | ISA-7765-00004436 | Remove, inspect, refurbish and install the Fire Fighting Service Pump |
| 2447 |             |                                | M591/30-0702 | ISA-7765-00004444 | Remove, inspect, refurbish and install the Fire Pump - Electric Motor |
| 2448 | 5210002A001 | Fire Pump 2                    |              |                   | Replace the Sea Water Fire Extinguishing and                          |
| 2449 |             |                                |              |                   | Wash-Down System (Pump 1) - Sea Water Filter Element                  |
| 2450 |             |                                | M591/31-0003 | ISA-7765-00004460 | Replace the Sea Water Fire Extinguishing and                          |
| 2451 |             |                                |              |                   | Wash-Down System (Pump 1) - In-line Pressure Indicator                |
| 2452 | 5210002A002 | Three Phase Motor, Fire Pump 2 | M583/10-4604 | ISA-7765-00004424 | Replace the Three Phase Fire Pump Motor - E-Motor Bearings            |
| 2453 | 5210003A001 | Fire Pump 3                    | M591/30-0701 | ISA-7765-00004435 | Remove, inspect, refurbish and install the Fire Fighting Service Pump |

|      |             |              |                   |                                                                             |
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| 2454 |             | M591/30-0702 | ISA-7765-00004443 | Remove, inspect, refurbish and install the Fire Pump - Electric Motor       |
| 2455 |             |              |                   | Remove, inspect, refurbish and install the Sea Water Fire Extinguishing and |
| 2456 |             |              |                   | Wash-Down System (Pump 1) - Sea Water Filter Element                        |
| 2457 |             | M591/31-0003 | ISA-7765-00004459 | Remove, inspect, refurbish and install the Sea Water Fire Extinguishing and |
| 2458 |             |              |                   | Wash-Down System (Pump 1) - In-line Pressure Indicator                      |
| 2459 | 5210003A002 | M583/10-4604 | ISA-7765-00004423 | Replace the Three Phase Fire Pump Motor - E-Motor Bearings                  |
| 2460 | 5210004A001 |              | ISA-7765-00006071 | Remove, inspect, refurbish and install all fire pump housings x 8           |
| 2461 |             |              | ISA-7765-00006073 | Replace all Fire Pump vortex chambers, piping union and connections.        |
| 2462 |             | M591/30-0701 | ISA-7765-00004434 | Remove, inspect, refurbish and install the Fire Fighting Service Pump       |
| 2463 |             | M591/30-0702 | ISA-7765-00004442 | Remove, inspect, refurbish and install the Fire Pump - Electric Motor       |
| 2464 |             |              |                   | Replace the Sea Water Fire Extinguishing and                                |
| 2465 |             |              |                   | Wash-Down System (Pump 1) - Sea Water Filter Element                        |

|      |             |                                |  |              |                   |                                                                                           |
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| 2466 |             |                                |  | M591/31-0003 | ISA-7765-00004458 | Replace the Sea Water Fire Extinguishing and                                              |
| 2467 |             |                                |  |              |                   | Wash-Down System (Pump 1) - In-line Pressure Indicator                                    |
| 2468 | 5210004A002 | Three Phase Motor, Fire Pump 4 |  | M583/10-4604 | ISA-7765-00004422 | Remove, inspect, refurbish and install the Three Phase Fire Pump Motor - E-Motor Bearings |
| 2469 |             |                                |  | M591/30-0701 | ISA-7765-00004433 | Remove, inspect, refurbish and install the Fire Fighting Service Pump                     |
| 2470 |             |                                |  | M591/30-0702 | ISA-7765-00004441 | Perform , Overhaul of the Fire Pump - Electric Motor                                      |
| 2471 |             |                                |  |              |                   | Replace the Sea Water Fire Extinguishing and                                              |
| 2472 | 5210005A001 | Fire Pump 5                    |  |              |                   | Wash-Down System (Pump 1) - Sea Water Filter Element                                      |
| 2473 |             |                                |  | M591/31-0003 | ISA-7765-00004457 | Replace the Sea Water Fire Extinguishing and                                              |
| 2474 |             |                                |  |              |                   | Wash-Down System (Pump 1) - In-line Pressure Indicator                                    |
| 2475 |             |                                |  | M583/10-4604 | ISA-7765-00004421 | Replace the Three Phase Fire Pump Motor - E-Motor Bearings                                |
| 2476 |             |                                |  | M591/30-0701 | ISA-7765-00004432 | Remove, inspect, refurbish and install the Fire Fighting Service Pump                     |

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| 2477 | 5210005A002 | Three Phase Motor,<br>Fire Pump 5 | M591/30-0702      | ISA-7765-00004440                                      | Perform , Overhaul of the Fire Pump - Electric Motor                                      |
| 2478 |             |                                   |                   |                                                        | Perform , Removal and Replacement of the Sea Water Fire Extinguishing and                 |
| 2479 |             |                                   |                   |                                                        | Wash-Down System (Pump 1) - Sea Water Filter Element                                      |
| 2480 |             |                                   | M591/31-0003      | ISA-7765-00004456                                      | Remove, inspect, refurbish and install the Sea Water Fire Extinguishing and               |
| 2481 |             |                                   |                   |                                                        | Wash-Down System (Pump 1) - In-line Pressure Indicator                                    |
| 2482 | 5210006A002 | Three Phase Motor,<br>Fire Pump 6 | M583/10-4604      | ISA-7765-00004420                                      | Remove, inspect, refurbish and install the Three Phase Fire Pump Motor - E-Motor Bearings |
| 2483 |             |                                   | M591/30-0701      | ISA-7765-00004431                                      | Remove, inspect, refurbish and install the Fire Fighting Service Pump                     |
| 2484 |             |                                   | M591/30-0702      | ISA-7765-00004439                                      | Perform , Overhaul of the Fire Pump - Electric Motor                                      |
| 2485 | 5210007A001 |                                   |                   |                                                        | Replace the Sea Water Fire Extinguishing and                                              |
| 2486 |             |                                   |                   |                                                        | Wash-Down System (Pump 1) - Sea Water Filter Element                                      |
| 2487 |             | M591/31-0003                      | ISA-7765-00004455 | Replace the Sea Water Fire Extinguishing and           |                                                                                           |
| 2488 |             |                                   |                   | Wash-Down System (Pump 1) - In-line Pressure Indicator |                                                                                           |

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| 2489 | 5210007A002 | Three Phase Motor, Fire Pump 7 | M583/10-4604 | ISA-7765-00004419 | Remove, inspect, refurbish and install the Three Phase Fire Pump Motor - E-Motor Bearings                               |
| 2490 |             |                                | M591/30-0701 | ISA-7765-00004430 | Remove, inspect, refurbish and install the Fire Fighting Service Pump                                                   |
| 2491 |             |                                | M591/30-0702 | ISA-7765-00004438 | Perform , Overhaul of the Fire Pump - Electric Motor                                                                    |
| 2492 | 5210008A001 | Fire Pump 8                    |              |                   | Replace the Sea Water Fire Extinguishing and                                                                            |
| 2493 |             |                                |              |                   | Wash-Down System (Pump 1) - Sea Water Filter Element                                                                    |
| 2494 |             |                                | M591/31-0003 | ISA-7765-00004454 | Replace the Sea Water Fire Extinguishing and                                                                            |
| 2495 |             |                                |              |                   | Wash-Down System (Pump 1) - In-line Pressure Indicator                                                                  |
| 2496 | 5210008A002 | Three Phase Motor, Fire Pump 8 | M583/10-4604 | ISA-7765-00004418 | Replace the Three Phase Fire Pump Motor - E-Motor Bearings                                                              |
| 2497 |             |                                |              |                   | Remove, inspect, refurbish and install Pump 300 and 301: Replace shock mountings, calibrate or replace pressure gauges. |
| 2498 |             |                                | M414/4-4602  | ISA-7765-00004371 | Replace the Sea Water Cooling Pump, FWD Engine Room                                                                     |
| 2499 |             |                                |              |                   | Ventilation / Cooling - Bearings                                                                                        |
| 2500 |             |                                | M420/3-0701  | ISA-0000010891    | Perform Ten Thousand Hourly (Three Annual) Overhaul of the Engine Room Ventilation                                      |

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| 2501 |             |                                      |              |                   | Sea Water Cooling Pump NI 100-250/01 U3.1D                                         |  |
| 2502 | 5243004A001 | Sea Water Cooling Pump 2, Aft Engine | M414/4-4602  | ISA-7765-00004372 | Replace the Sea Water Cooling Pump, FWD Engine Room                                |  |
| 2503 |             | Room Ventilation / Cooling           |              |                   | Ventilation / Cooling - Bearings                                                   |  |
| 2504 |             |                                      | M420/3-0701  | ISA-7765-00005522 | Perform Ten Thousand Hourly (Three Annual) Overhaul of the Engine Room Ventilation |  |
| 2505 |             |                                      |              |                   | Sea Water Cooling Pump NI 100-250/01 U3.1D                                         |  |
| 2506 | 5297001A001 | Exhaust Duct Drain Pump              | M583/10-0701 | ISA-7765-00005512 | Remove, inspect, refurbish and install the Exhaust Duct Drain                      |  |
| 2507 |             |                                      |              |                   | Pump                                                                               |  |
| 2508 | 5298001A001 | Salvage Pump 1                       | M425/8-0001  | ISA-7765-00005523 | Remove, inspect, refurbish and install the Salvage Pump                            |  |
| 2509 |             |                                      |              |                   | Replace the Salvage Pump -                                                         |  |
| 2510 |             |                                      |              |                   | Bearings                                                                           |  |
| 2511 |             |                                      | M425/8-4602  | ISA-7765-00005525 | Replace the Salvage Pump - Shaft Seal                                              |  |
| 2512 | 5298002A001 | Salvage Pump 2                       | M425/8-0001  | ISA-7765-00005514 | Remove, inspect, refurbish and install the Salvage Pump                            |  |
| 2513 |             |                                      |              |                   | Replace the Salvage Pump -                                                         |  |
| 2514 |             |                                      |              |                   | Bearings                                                                           |  |
| 2515 |             |                                      | M425/8-4602  | ISA-7765-00005516 | Replace the Salvage Pump - Shaft Seal                                              |  |

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| 2516 | 5298003A001 | Salvage Pump 3 | M425/8-0001 | ISA-7765-00005519 | Remove, inspect, refurbish and install the Salvage Pump |
| 2517 |             |                |             |                   | Replace the Salvage Pump -                              |
| 2518 |             |                |             |                   | Bearings                                                |

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| 2519 |         |                                | M425/8-4602  | ISA-7765-00005521 | Replace the Salvage Pump - Shaft Seal                                              |
| 2520 | 5298004 | Salvage System Valves          | M593/32-0002 | ISA-7765-00005333 | Remove, inspect, refurbish and install Salvage System Pump - Electrical Flaps      |
| 2521 |         |                                | M593/32-0604 | ISA-7765-00003825 | Remove, inspect, refurbish and install Salvage System Pump - Valves and Flaps      |
| 2522 | 5299    | Drainage and Ballasting System | M593/31-0602 | ISA-7765-00003823 | Perform Six Monthly Inspection of the Ballast Water System - Orifice Plates        |
| 2523 |         |                                | M593/31-0604 | ISA-7765-00003824 | Remove, inspect, refurbish and install the Ballast Water System - Valves and Flaps |
| 2524 |         |                                |              | ISA-7765-00006018 | Replace all high pressure hoses on FWD and AFT Reverse Osmosis plant.              |
| 2525 |         |                                |              | ISA-7765-00006022 | Replace all piping and DT modules of FWD and AFT Reverse Osmosis Plants.           |
| 2526 |         |                                |              | ISA-7765-00006026 | Recalibrate or replace all gauges on FWD and AFT Reverse Osmosis Plants.           |
| 2527 |         |                                |              |                   | Perform , Maintenance on the Freshwater Generating Plant (Reverse Osmosis) -       |
| 2528 |         |                                |              |                   | Pressure Vessel - Leakage                                                          |
| 2529 |         |                                | M222/20-0003 | ISA-7765-00004250 | Perform , Maintenance of the Freshwater Generating Plant (Reverse Osmosis) -       |

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|              |                   | Motor Control Valve Stuffing Box Packing                                              |
| M222/20-0008 | ISA-7765-00004252 | Perform , Maintenance of the Freshwater Generating Plant (Reverse Osmosis) -          |
|              |                   | Sand filter Backwash                                                                  |
| M222/20-0606 | ISA-7765-00005621 | Perform Six Monthly Inspection of the Reverse Osmosis Fresh Water Generator -         |
|              |                   | Contactors for Loose Screws or Wires                                                  |
| M222/20-0607 | ISA-7765-00005622 | Perform Three Thousand Hourly Inspection of the Reverse Osmosis Fresh Water Generator |
|              |                   | - Plungers, Pumping Section and Crankshaft Section                                    |
| M222/20-0609 | ISA-7765-00005624 | Perform Six Thousand Hourly Inspection of the Reverse Osmosis Fresh Water Generator - |
|              |                   | Valves and Seals                                                                      |
| M222/20-0903 | ISA-7765-00005625 | Perform Three Monthly Test of the Reverse Osmosis Fresh Water Generator - Torque      |

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|              |                   | Loading of DT Module Tie Rod                                                        |
| M222/20-0904 | ISA-7765-00005626 | Perform Annual Test of the Reverse Osmosis Fresh Water Generator - Pulsation Damper |
|              |                   | Gas Pressure                                                                        |
| M222/20-1101 | ISA-7765-00005627 | Perform Five Hundred Hourly Cleaning of the Reverse Osmosis Fresh Water Generator   |

Freshwater  
Generating Plant 1  
(Reverse  
Osmosis)

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|              |                   |  | Perform , Cleaning of the Freshwater Generating Plant (Reverse Osmosis) - DT               |
|              |                   |  | Modules                                                                                    |
| M222/20-1401 | ISA-7765-00005628 |  | Perform One Thousand Hourly Service of the Reverse Osmosis Fresh Water Generator -         |
|              |                   |  | Plunger Pump (Change Oil)                                                                  |
| M222/20-1402 | ISA-7765-00004116 |  | Remove, inspect, refurbish and install the Freshwater Generating Plant (Reverse Osmosis) - |
|              |                   |  | Motor Control Valve                                                                        |
| M222/20-2602 | ISA-7765-00005629 |  | Perform Annual Refill of the Reverse Osmosis Fresh Water Generator - Pulsation Damper      |
|              |                   |  | with Nitrogen                                                                              |
| M222/20-4601 | ISA-7765-00005630 |  | Replace the Reverse Osmosis                                                                |
|              |                   |  | Fresh Water Generator - Plunger Pump Electric Motor - Bearings                             |
|              |                   |  | Perform , Replacement of the Freshwater Generating Plant (Reverse Osmosis) -               |
|              |                   |  | Cartridge Filters                                                                          |
| M222/20-4604 | ISA-7765-00004122 |  | Replace the Freshwater Generating Plant (Reverse Osmosis) -                                |
|              |                   |  | Pulsation Damper                                                                           |
| M222/20-     | ISA-7765-         |  | Replace the Reverse Osmosis Freshwater                                                     |

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|      |             |                                                 | 4605         | 00003183          |                                                                                            |
| 2559 |             |                                                 |              |                   | Generator - Membranes of the Disc Tube (DT) Module                                         |
| 2560 | 5310003A002 | Seawater Supply Pump 1 (Reverse Osmosis)        |              | ISA-7765-00006089 | Remove, inspect, refurbish and install on 2 x Reverse Osmosis sea water supply pumps       |
| 2561 |             |                                                 | M420/4-0701  | ISA-7765-00005513 | Remove, inspect, refurbish and install the Reverse Osmosis Seawater                        |
| 2562 |             |                                                 |              |                   | Supply Pump NI 25-200/01 U3.1D                                                             |
| 2563 |             |                                                 | M222/20-0002 | ISA-7765-00004247 | Perform , Maintenance on the Freshwater Generating Plant (Reverse Osmosis) -               |
| 2564 |             |                                                 |              |                   | Pressure Vessel - Leakage                                                                  |
| 2565 |             |                                                 | M222/20-0003 | ISA-7765-00004249 | Remove, inspect, refurbish and install the Freshwater Generating Plant (Reverse Osmosis) - |
| 2566 |             |                                                 |              |                   | Motor Control Valve Stuffing Box Packing                                                   |
| 2567 |             |                                                 | M222/20-0008 | ISA-7765-00004251 | Perform , Maintenance of the Freshwater Generating Plant (Reverse Osmosis) -               |
| 2568 |             |                                                 |              |                   | Sand filter Backwash                                                                       |
| 2569 | 5310004A001 | Freshwater Generating Plant 2 (Reverse Osmosis) | M222/20-0606 | ISA-7765-00005631 | Perform Six Monthly Inspection of the Reverse Osmosis Fresh Water Generator -              |

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|              |                   | Contractors for Loose Screws or Wires                                               |  |
| M222/20-0607 | ISA-7765-00004090 | Remove, inspect, refurbish and install the Reverse Osmosis Fresh Water Generator    |  |
|              |                   | - Plungers, Pumping Section and Crankshaft Section                                  |  |
| M222/20-0608 | ISA-7765-00004091 | Replace the Reverse Osmosis Fresh Water Generator                                   |  |
|              |                   | - Valves and Seals and fittings                                                     |  |
| M222/20-0903 | ISA-7765-00005632 | Perform Three Monthly Test of the Reverse Osmosis Fresh Water Generator - Torque    |  |
|              |                   | Loading of DT Module Tie Rod                                                        |  |
| M222/20-0904 | ISA-7765-00005633 | Perform Annual Test of the Reverse Osmosis Fresh Water Generator - Pulsation Damper |  |
|              |                   | Gas Pressure                                                                        |  |
| M222/20-1101 | ISA-7765-00005634 | Perform Five Hundred Hourly Cleaning of the Reverse Osmosis Fresh Water Generator   |  |
|              |                   | Perform , Cleaning of the Freshwater Generating Plant (Reverse Osmosis) - DT        |  |
|              |                   | Modules                                                                             |  |

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| 2582 | M222/20-1401 | ISA-7765-00005635 | Perform One Thousand Hourly Service of the Reverse Osmosis Fresh Water Generator - |
| 2583 |              |                   | Plunger Pump (Change Oil)                                                          |
| 2584 | M222/20-1402 | ISA-7765-00004115 | Perform , Servicing of the Freshwater Generating Plant (Reverse Osmosis) -         |
| 2585 |              |                   | Motor Control Valve                                                                |
| 2586 |              |                   | Replace Reverse Osmosis Fresh Water Generator - Pulsation Damper                   |
| 2587 |              |                   | with Nitrogen                                                                      |
| 2588 | M222/20-2801 | ISA-7765-00004117 | Perform , Dismantling of the Freshwater Generating Plant (Reverse Osmosis) -       |
| 2589 |              |                   | Modules                                                                            |
| 2590 | M222/20-4601 | ISA-7765-00005637 | Perform Twenty Thousand Hourly (Four Annual) Replacement of the Reverse Osmosis    |
| 2591 |              |                   | Fresh Water Generator - Plunger Pump Electric Motor - Bearings                     |
| 2592 | M222/20-4603 | ISA-7765-00004119 | Perform , Replacement of the Freshwater Generating Plant (Reverse Osmosis) -       |
| 2593 |              |                   | Cartridge Filters                                                                  |
| 2594 | M222/20-4604 | ISA-7765-00004121 | Replace the Freshwater Generating Plant (Reverse Osmosis) -                        |
| 2595 |              |                   | Pulsation Damper                                                                   |
| 2596 | M222/20-4605 | ISA-7765-00003184 | Replace the Reverse Osmosis Freshwater                                             |
| 2597 |              |                   | Generator - Membranes of the Disc Tube (DT) Module                                 |

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| 2598 | 5310004A002 | Seawater Supply Pump 2 (Reverse Osmosis) | M420/4-0701  | ISA-7765-00005517 | Remove, inspect, refurbish and install of the Reverse Osmosis Seawater                                               |
| 2599 |             |                                          |              |                   | Supply Pump NI 25-200/01 U3.1D                                                                                       |
| 2600 | 5322001     | Chilled Water Plant 1                    | M583/11-0006 | ISA-7765-00005327 | Perform , Cleaning or Replacement of the Seawater Cooling Pump, Main                                                 |
| 2601 |             |                                          |              |                   | Machinery Exhaust - Water Chiller Units Seawater Filter Inserts                                                      |
| 2602 |             |                                          |              | ISA-7765-00006048 | Remove, inspect, refurbish and install: all Motorised Control Valves (MCV) Isolation valves for Chilled Water Plant. |
| 2603 |             |                                          | M617/20-0001 | ISA-7765-00005638 | Replace all the Water Chiller Unit, Monitoring Panel                                                                 |
| 2604 |             |                                          |              |                   | - Pressure Gauges                                                                                                    |
| 2605 |             |                                          | M617/20-0002 | ISA-7765-00005639 | Remove, inspect, refurbish and install the Water Chiller Unit - Shut-Off Valves and                                  |
| 2606 |             |                                          |              |                   | a Leakage Test                                                                                                       |
| 2607 |             |                                          | M617/20-0003 | ISA-7765-00005640 | Remove, inspect, refurbish and install the Water Chiller Unit - Non-Return Angle                                     |
| 2608 |             |                                          |              |                   | Valve and a Leakage Test                                                                                             |
| 2609 |             |                                          | M617/20-0004 | ISA-7765-00005641 | Remove, inspect, refurbish and install the Water Chiller Unit - Safety Valves and a                                  |
| 2610 |             |                                          |              |                   | Leakage Test                                                                                                         |
| 2611 |             |                                          | M617/20-0005 | ISA-7765-00005642 | Remove, inspect, refurbish and install the Water Chiller Unit - Sea Cooling                                          |
| 2612 |             |                                          |              |                   | Water Regulating Valve                                                                                               |

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| M617/20-0006 | ISA-7765-00005643 | Replace of the Water Chiller Unit - Compensators                                          |
|              |                   | Perform Six Monthly Inspection and Cleaning of the Water Chiller Unit, Switchboard - Dust |
|              |                   | Filters                                                                                   |
| M617/20-0008 | ISA-7765-00004465 | Perform , Maintenance of the Water Chiller Unit - System Pumping Down                     |
|              |                   | Procedure - Extended Shutdown                                                             |
| M617/20-0015 | ISA-7765-00004467 | Replace the Water Chiller Unit - Oil Filter Insert                                        |
|              |                   | Remove, inspect, refurbish and install the Water Chiller Unit - Thermostatic Expansion    |
|              |                   | Valve                                                                                     |
| M617/20-0609 | ISA-7765-00005646 | Relace the Water Chiller Unit - Solenoid Valves                                           |
| M617/20-0610 | ISA-7765-00005647 | Replace the Water Chiller Unit, Oil Separator - Fittings                                  |
| M617/20-0611 | ISA-7765-00005662 | Replace the Water Chiller Unit, Chilled Water Circuit - Fittings                          |
| M617/20-0612 | ISA-7765-00005648 | Perform Annual Inspection of the Water Chiller Unit - Switchboard                         |
| M617/20-0613 | ISA-7765-00005649 | Perform Annual Inspection of the Water Chiller Unit, Chilled Water Unit - Terminal Boxes  |

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| 2626 | M617/20-0614 | ISA-7765-00005650 | Replace the Water Chiller Unit - Coupling                                                   |
| 2627 |              |                   | Replace the Water Chiller Unit - Shock Mounts, Fastening Screws and                         |
| 2628 |              |                   | Insulation                                                                                  |
| 2629 | M617/20-0619 | ISA-7765-00005652 | Replace the Water Chiller Unit - Oil Filters                                                |
| 2630 |              |                   | Replace the Water Chiller Unit, Compressor - Combined High / Low                            |
| 2631 |              |                   | Pressure Switch                                                                             |
| 2632 | M617/20-1104 | ISA-7765-00005654 | Replace the Water Chiller Unit - Condenser Tubes                                            |
| 2633 |              |                   | Perform Adjustment of the Water Chiller Unit, Thermostatic Expansion Valve -                |
| 2634 |              |                   | Superheat Setting                                                                           |
| 2635 |              |                   | Remove, inspect, refurbish and install the Water Chiller Unit - Non-return Angle Valve Stem |
| 2636 |              |                   | Sealing Set                                                                                 |
| 2637 | M617/20-4603 | ISA-7765-00004481 | Replace the Water Chiller Unit - Non-return Angle Valve Plate                               |
| 2638 |              |                   | Sealing                                                                                     |
| 2639 | M617/20-4604 | ISA-7765-00004483 | Replace the Water Chiller Unit - Solenoid Valve Insert, Type                                |