

## **TSHWANE GROUP PROPERTY MANAGEMENT**

**TENDER REFERENCE: GPM 02-2023/24** 

TENDER TO APPOINT SERVICE PROVIDER/S FOR THE MAINTENANCE, REPAIRS, AND UPGRADE OF ELEVATORS, ESCALATORS, HOISTS, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.

# **VOLUME 1**

# A Tender for Category 4SI/ME or Higher, CIDB Registered Contractors

ISSUED BY:	PREPARED BY:
	The Divisional Head Supply Chain Management City of Tshwane 320 Madiba Street Tshwane House Pretoria
	0001

Registered Name of Tenderer:	
Trading Name of Tenderer:	
Registration No. of Entity:	
Contact Person:	CoT Vendor No:
Tel. No:	E-Mail Address:
Cell No:	Fax No:
CIDB CRS Number (s):	

Only bidders registered on the Central Supplier Database and with CSD Number will be considered for this tender as it is a requirement from National Treasury

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# **PORTION 1: TENDER**

# PART T1: TENDER PROCEDURES

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## **T1.1 TENDER NOTICE AND INVITATION TO TENDER**

GPM 02 2023/23 CITY OF TSHWANE GROUP PROPERTY DEPARTMENT



TENDER TO APPOINT SERVICE PROVIDER/S FOR THE MAINTENANCE, REPAIRS, AND UPGRADE OF ELEVATORS, ESCALATORS, HOISTS, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.

Tenders are hereby invited for the above services.

Tenderers should have a Construction Industry Development Board (CIDB) contractor grading designation as follows.

TYPE OF SERVICE  3 STATUTORY MAINTENANCE
S STATIITORY MAINTENANCE
S STATUTORY MAINTENANCE
JIMOTONI WANTENANCE
STATUTORY REPAIR
2   STATUTORY MAINTENANCE
STATUTORY REPAIR
STATUTORY MAINTENANCE
STATUTORY REPAIR
STATUTORY MAINTENANCE
STATUTORY REPAIR
9 STATUTORY MAINTENANCE
STATUTORY REPAIR
5 STATUTORY MAINTENANCE
STATUTORY REPAIR
1 STATUTORY MAINTENANCE
STATUTORY REPAIR

The tender documents will be obtainable for download on City of Tshwane public website(<u>www.tshwane.gov.za</u>) and National Treasury's e-tenders (<u>www.etenders.gov.za</u>)

The preferential points to be used will be the 80/20 points system in terms of the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000) Regulations 2022.

The system comprises of the following elements:

- 80 points for price
- 20 points for specific goals

#### A **COMPULSORY CLARIFICATION MEETING** will not be required.

The lowest or any tender will not necessarily be accepted, and the Municipality reserves the right to accept any tender as a whole or in part or no tender.

Tenders must remain valid for a period of 90 days after the closing date for the submission of tenders, during which period a tender may not be amended or withdrawn and may be accepted at any time by the Municipality.

The closing time for receipt of tenders is 10h00 on the 25 October 2023.

Tenders will be received on the closing date and time shown, must be enclosed in sealed envelopes bearing the applicable tender heading and reference number, as well as the closing time and due date, and must be addressed to the Divisional Head,

SUPPLY CHAIN MANAGEMENT,

PRETORIA, 0001 and must be submitted in the tender box situated at the Procurement Advice Centre (at the entrance Tshwane House), 320 Madiba Street, Pretoria CBD, 0002. Tenders will be opened at the latter address at the time indicated.

ENQUIRIES: Representative: Mr. Jan de Klerk

Telephone: 012 358 9540

E-mail: jandk@tshwane.gov.za

SUPPLY CHAIN EQUIRIES: Employer's Agent: Relebogile Malatswane

Telephone: 012 358 2735

E mail: RelebogileM@tshwane.gov.za

Mr Johan Metler CITY MANAGER

**NOTICE 4 OF 2023** 

## T1.2 TENDER DATA

The conditions of tender are the Standard Conditions of Tender as contained in Annexure C of Standard for Uniformity in Engineering and Construction Works Contracts (Board Notice 423 Government Gazette No 42622 of 8 August 2019), bound into Section T1.2

The Standard Conditions of Tender makes several references to the Tender Data. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the Standard Conditions of Tender to which it mainly applies.

CLAU	SE NUMBER	TENDER DATA		
C.1.1	Actions	The Employer is City of Tshwane Metropolitan Municipality		
C.1.2	Tender Document s	Volume 1: Tender Document  THE TENDER  Part T1: Tendering Procedures  T1.1 - Tender notice and invitation to tender.  T1.2 - Tender data T1.3 - Standard Conditions of Tender  Part T2: Returnable documents  T2.1 - List of returnable documents  T2.2 - Returnable schedules  THE CONTRACT  Part C1: Agreements and contract data  C1.1 - Form of offer and acceptance  C1.2 - Contract data  Part C2: Pricing Data  C2.1 - Pricing instruction  C2.2 - Pricing schedule  C2.3 - Summary of pricing schedule  Part C3: Scope of work		
C.1.3 C.1.3.	Interpretat ion	Add the following new cla  The tender documents have tender shall be interpreted.	ve been drafted in English. The c	ontract arising from the invitation to
C.1.4	Communic	Agent:	Jan de Klerk	
5.1.	ation and Employer's Agent	Address:	PO Box 440 Pretoria 0001	Sammy Mark Square Cnr Madiba and Lilian Ngoyi 225 Madiba Street Pretoria
		Tel:	012 358 9540	
		Cellular:	0649639211	
		E-Mail:	jandk@tshwane.gov.za	
C.2.1	Eligibility	This bid will be eval	uated in four evaluation	stages namely:

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**CLAUSE NUMBER TENDER DATA** STAGES OF EVALUATION This bid will be evaluated in four evaluation stages namely: Stage 1: Administrative compliance Stage 2: Mandatory Stage 3: Functionality Criteria Stage 4: Preference Points System STAGE 1: ADMINISTRATIVE COMPLIANCE All the bids will be evaluated against the administrative responsiveness requirements as set out in the list of returnable documents. Compulsory Returnable Documentation Submitted Checklist (Guide for (Submission of (YES or NO) Bidder and the Bid these are compulsory) **Evaluation Committee)** To enable The City to verify the bidder's tax TCS must be in the same business name as the compliance status, the bidder must provide; bidding company. A copy of their Tax Clearance Certificate TCS must be valid. (TCS); Tax status must be compliant before the award. Indicate their tax compliance status PIN. CSD must be valid. Tax status A copy of their Central Supplier Database must be compliant before (CSD) registration; or indicate their Master Registration Number / CSD Number; the award. Confirmation that the bidding company's Was a Municipal Account rates and taxes are up to date: Original or Statement or landlord letter copy of Municipal Account Statement of provided for the bidding the Bidder (bidding company) not older company? The name and / than 3 months and account must not be in or addresses of the bidder's arrears for more than ninety (90) days; or statement correspond with ,signed lease agreement or In case of CIPC document, Address on bidders located in informal settlement, CSD or Company profile? Are rural areas or areas where they are not all payment(s) up to date required to pay Rates and Taxes a letter (i.e. not in arrears for more from the local councillor confirming they than 90 days? are operating in that area In addition to the above, confirmation that Was a Municipal Account Statement or landlord letter all the bidding company's owners / members / directors / major shareholders provided for the bidding rates and taxes are up to date: • Original or company? The name and / or addresses of the bidder's copy of Municipal Account Statement of all statement correspond with the South African based owners / members / directors / major shareholders not older CIPC document, Address on CSD or Company profile? Are than 3 months and the account/s may not be in arrears for more than ninety (90) all payment(s) up to date days; or a signed lease agreement of (i.e. not in arrears for more than 90 days? owners / members / directors / major shareholders or In case of bidders located in informal settlement, rural areas or areas where they are not required to pay Rates

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**CLAUSE NUMBER TENDER DATA** and Taxes a letter from the local councillor confirming they are residing in that area Duly Signed and completed MBD forms All documents fully (MBD 1, 4, 5, 8 and 9) The person signing completed (i.e. no blank the bid documentation must be authorized spaces)? All documents fully to sign on behalf of the bidder. Where the signed? Signature authorized signatory is not a Director / Member / (any director / member / Owner / Shareholder of the company, an trustee as indicated on the official letter of authorization or delegation CIPC document, alternatively of authority should be submitted with the a delegation of authority bid document. would be required? Documents completed in NB: Bidders must ensure that the directors, black ink (i.e. no "Tippex" trustees, managers, principal shareholders, corrections, no pencil, no or stakeholders of this company, declare other color ink, or nonany interest in any other related companies submission of the above, will or business, whether or not they are be considered)? bidding for this contract. See Question 3.14 of MBD 4. Failure to declare interest will result in a disqualification Financial Statements for the most recent Applicable for tenders above three (3) years or financial statements from R10m in conjunction with date of existence for companies less than MBD 5) three years old. NB: The bidder must submit signed audited Are Audited financial annual financial statements for the most statements provided recent three years, or if established for a (Audited financials must be shorter period, submit audited annual signed by auditor)? Or proof financial statements from date of that the bidder is not establishment. required by law to prepare audited financial statements. If the bidder is not required by law to prepare signed annual financial statements for auditing purposes, then the bidder must submit proof that the bidder is not required by law to prepare audited financial statements. Joint Ventures (JV) – (Only applicable when If applicable. JV agreement the bidder tenders as a joint venture) provided? JV agreement Where the bidder bids as a joint venture complete and relevant? (JV), the required or relevant documents as Agreement signed by all per (a) to (f) above must be provided for all parties? All required JV parties. In addition to the above the documents as per (i.e. a to f) bidder must submit a Joint Venture (JV) must be provided for all agreement signed by the relevant parties. partners of the JV. NB: It is a condition of this bid that the successful bidder will continue with the same Joint Venture (JV) for the duration of the contract unless prior approval is

obtained from the City.

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A PERIOD OF 3 YEARS.	
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CLAUSE NUMBER	TENDER DATA			
	Bidder attended a compulsory briefing session where applicable	A compulsory briefing register must be signed by the bidder.		
		Bidders will be disqualified should they fail to attend compulsory briefing session		
	Pricing schedule (All items must be quoted for in pricing schedule and if not, all items are quoted the bidder will be disqualified). Unless the tender is awarded per item or per section where the bidder only quoted	Incomplete pricing schedule results in totals being incomparable. Bidder must be disqualified.		
	the items or sections, they are interested in.	Bidder will be disqualified should they make corrections on the price schedule without attaching a signature thereto.		
		Bidder will be disqualified should they use tippex/ correction ink, on the price schedule.		

# **STAGE 2: MANDATORY REQUIREMENTS**

Only tenderers with the following requirements will be considered for Stage 2: Functionality Criteria.

The tenderer must have a CIDB grading of 4SI/ME or higher as follows: CIDB GRADING PER TYPE OF ELEVATOR.

	NUMBER OF	
MANUFACTURER	UNITS	TYPE OF SERVICE
SAEC	3	STATUTORY MAINTENANCE
		STATUTORY REPAIR
VISION	2	STATUTORY MAINTENANCE
		STATUTORY REPAIR
SCHINDLER	20	STATUTORY MAINTENANCE
		STATUTORY REPAIR
NULINE	6	STATUTORY MAINTENANCE
		STATUTORY REPAIR
KONE	9	STATUTORY MAINTENANCE

CLAUSE NUMBER	TENDER DATA				
			STATUTORY REPAIR		
	ELCO	15	STATUTORY MAINTENANCE		
			STATUTORY REPAIR		
	OTIS	21	STATUTORY MAINTENANCE		
			STATUTORY REPAIR		

The tenderer must have original manufacturer accreditation certificates for the following manufacturer.

MANUFACTURER	Attachment of Original Manufacturer accreditation certificate Checklist (Yes / No)
SAEC	
VISION	
SCHINDLER	
NULINE	
KONE	
ELCO	
OTIS	

- The tenderer's employees in the specified categories shall have a minimum of 2 years' experience in the lift industry. Bidders are to attached CV of employees as proof experience.
- Bidders are to submit certified qualification of artisans with a red seal certificate.

Bids that do not meet these requirements will be disqualified.

## **STAGE 3: FUNCTIONALITY CRITERIA**

The following functionality criteria will apply to this bid:

Only bidders who score a minimum score of 70 points in respect of the following functionality criteria will be recommended for shortlisting. A total of 100 points are allocated for functionality.

CRITERIA	SUB-CRITERIA	SCALE	WEIGHT	HIGHEST POSSIBLE SCORE
3.1 Number of years maintaining and upgrading lifts.	6 years or more	5	3	15
	4 years up to 5 years or more	5	2	10

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**CLAUSE NUMBER TENDER DATA** 1 year up to 3 years or more The bidder must provide a clearly detailed profile (CV) stipulating the 15 maximum required number of years rendering similar service. (Technician) points 3.2 Completion certificates 10 individual units or 4 20 on either service, repairs, or more upgrade within 5 years from closing date of the tender. 5 to 9 5 3 15 2 5 1 to 4 10 Completion certificates for previous completed maintenance and 20 maximum upgrade of lift equipment should be signed off by client and service points provider. 3.3 Proof of Company's Lifting equipment 5 6 30 Technician NQF level employee appointed as competent person (Artisan) 6 with minimum 2 SAQA certified: (National years' experience in certificate, Diploma Lifts Mechanical Engineering) repairs/maintenance /upgrade Lifting equipment 24 Technician NQF level 5 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade Lifting equipment 18 Technician NQF level 4 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade Proof of qualifications and cv must be provided and certified by a 30 maximum commissioner of oaths. points Electrician NQF level 3 15 3.4 Proof of company's employee appointed as 5 with minimum 2 years' experience in competent person (Artisan) SAQA certified. (Red Seal) Lifts

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	T				
CLAUSE NUMBER	TENDER DATA				
	bidders are requested to submit CV's and certified qualifications	repairs/maintenance /upgrade			
		Electrician NQF level 4 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade	4	3	12
	3.5 Proof of Company's employee appointed as competent person (Engineer) SAQA certified: BSC Mechanical Engineering (Curriculum Vitae required) bidders are requested to submit CV's and certified qualifications	NQF level 7 2 Years postgraduate practical experience in the operation and maintenance of lifts, lifting and paraplegic equipment industry.	5	2	10
	3.6 company employment	6 or more	5	2	10
	capacity: Minimum NQF level 4 qualification in Mechanical Engineering, bidders are requested to submit CV's and	1 up to 5	5	1	5
	certified qualifications  Total points				100
Service Providers must submit the necessary documents to be evaluated for functional per the Bid Evaluation Criteria.  Municipal Rates and Taxes not older than 3 months from the tender advertisement da valid lease agreement must be provided.  The bidder must provide a clearly detailed profile stipulating the number of years rend similar services.  Completion certificates should be on company letterhead and signed for similar work the service provider — appointment letters/purchase orders and/or job cards may also included as proof.  Proof of qualifications must be provided certified by a commissioner of oaths.  The contract is a rates only direct appointed contract.  STAGE 4: PREFERENTIAL POINT SYSTEM  The preferential points to be used will be 80/20 points system in terms of the Preferer Procurement Policy Framework Act, 2000 (Act 5 of 2000) Regulations 2022.  The system comprises of the following two elements:					risement date or  f years rendering  milar work done by ds may also be  hs.
	Price Specific goals	80 points 20 points			

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CLAUSE NUMBER		TENDER DATA	
	<u> </u>	supporting documents f	or their bids to claim the specific goal
	points.	nals will not lead to disc	ualification but bidders will not be
			out of 90 or 80 for price only and zero
	(0) points out of 10 or 20 for spe		
	Cot shall act against any bidder or obtained on a fraudulent bas		cts that the specific goals were claimed
	or obtained on a fraudulent bas	15.	
	The specific goal for this bid is o	utlined below.	
	Specific goals	80/20 preference	Proof of specific goals to be
		point system	submitted
	BB-BEE score of companies		Valid Certified copy of BBBEE
	Level 1	8 Points	certificate. Sworn Affidavit for B-
	Level 2	7 Points	BBEE qualifying small enterprise
	Level 3	6 Points	or Exempt Micro Enterprises or CIPC BBBEE certificate.
	Level 5	5 Points 4 Points	CIPC BBBEE Certificate.
	Level 6	3 Points	
	Level 7	2 Points	
	Level 8	1 Point	
	Non-compliant	0 Points	
	EME and/ or QSE	2 Points	Valid Sworn affidavit for B-BBEE
		2 1 011163	qualifying small enterprise or
			Exempt Micro Enterprises or CIPC
			BBBEE certificate
	At least 51% of Women-	2 Points	Certified copy of Identity
	owned companies		Document/s and proof of
			ownership (Sworn affidavit for B-
			BBEE qualifying small enterprise
			or Exempt Micro Enterprises, CIPC
			registration or any other proof of
	At least F10/ owned	2 Doints	ownership)  Medical Certificate with doctor's
	At least 51% owned companies by People with	2 Points	details (Practice Number, Physical
	disability		Address, and contact numbers)
	disability		and proof of ownership (Sworn
			affidavit for B-BBEE qualifying
			small enterprise or Exempt Micro
			Enterprises, CIPC registration or
			any other proof of ownership
	At least 51% owned	2 Point	Certified copy of Identity
	companies by Youth		Document/s and proof of
			ownership (Sworn affidavit for B-
			BBEE qualifying small enterprise
			or Exempt Micro Enterprises, CIPC
			registration or any other proof of
			ownership
	Local Economic Participation		Municipal Account
	City of Tshwane	4 Points	statement/Lease agreement.

CLAUS	CLAUSE NUMBER TENDER DATA			
		Gauteng National	2 Points 1 Point	
		For points to be allocated as per a documentation as evidence for clastated in the bid document to cla	laims made. Any tender	er that does not submit evidence as
C.2.2	Cost of Tendering	The employer will not compensate the tenderer for any costs incurred in attending interviews or making any submissions in the office of the employer.		
C.2.5	Reference Document s	Add the following:  Unless specified otherwise in this document, the following standards and conditions of contract will be applicable under this Contract:		
				<b>Junicipal Civil Engineering Works",</b> d: Roads and Stormwater of the City
		This document is obtaina	ble free of charge on th	e website www.tshwane.gov.za.
		"General Conditions of C	Contract for Construction rrent at 30 days before	ore close of tenders of the document in Works 3rd Edition, 2015" including close of tenders, as published by the
		Civil Engineering or may	be purchased online as the relevant links on wy	rom the South African Institution of an electronic reference document in vw.saice.org.za. The corrections may ice.org.za.
C.2.7	Clarificatio n meeting	The arrangements for a <b>compuls</b> and invitation to tender.	ory clarification meeting	gare as stated in the tender notice
			ued to, and tenders rece	e attendance register to be signed by eived from those tendering entities
		Tender documents will be made	available at the clarificat	tion meeting.
C.2.8	Seek	Replace the clause with the follow	wing:	
	clarificatio n	Request clarification of the tende  2 (two) working days before the	=	ry, by notifying the employer at least e tender data.
C.2.12	Alternative offers	Alternative tender offers will <u>not</u> be considered.		
C.2.13	Submitting a tender offer	shall not be erased or painte	rer in the document wh <u>d out</u> . A line shall be dr tten above in <u>non-erasa</u>	ich the tenderer desires to change, awn through the incorrect entry and ble black ink and the full signature
C.2.13 .2		Replace the contents of the claus	se with the following:	

**CLAUSE NUMBER TENDER DATA** Return all volumes of the tender document to the Employer after completion of the relevant sections of each volume in their entirety, either electronically (if they were issued in electronic format) or by writing in black ink. All volumes are to be left intact in original format and no pages shall be removed or rearranged C.2.13 Parts of each tender offer communicated on paper shall be submitted as an original, plus a .3 scanned copy in PDF format on a compact disc. In addition to the hard copy submission, each tenderer is required to submit a scanned copy of the fully completed and signed tender submission document. This is to be on a Compact Disc (CD or DVD) attached to the original tender submission documents, adequately identifiable as belonging to the tenderer, be in PDF format scanned at 400 DPI, and be in full colour. C.2.13 **Add** the following to the clause. Only authorised signatories may sign the original and all copies of the tender offer where required. In the case of a **ONE-PERSON CONCERN** submitting a tender, this shall be clearly stated. In the case of a **COMPANY** submitting a tender, include a copy of a <u>resolution by its board of</u> <u>directors</u> authorising a director or other official of the company to sign the documents on behalf of the company. In the case of a **CLOSE CORPORATION** submitting a tender, include a copy of a **resolution by its** members authorising a member or other official of the corporation to sign the documents on each member's behalf. In the case of a PARTNERSHIP submitting a tender, all the partners shall sign the documents, unless one partner or a group of partners has been authorised to sign on behalf of each partner, in which case **proof of such authorisation** shall be included in the Tender. In the case of a JOINT VENTURE/CONSORTIUM submitting a tender, include a resolution of each company of the joint venture together with a resolution by its members authorising a member of the joint venture to sign the documents on behalf of the joint venture. Accept that failure to submit proof of authorisation to sign the tender shall result in the tender offer being regarded as non-responsive. C.2.13 The identification details are: .5 Tender Reference: GPM 02 2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR Tender Description: THE MAINTENANCE, REPAIRS, AND UPGRADE OF ELEVATORS, ESCALATORS, HOISTS, **PARAPLEGIC** LIFTS CITY WIDE ON MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.

**CLAUSE NUMBER TENDER DATA** C.2.13 Telephonic, telegraphic, telex, facsimile or e-mailed offers will **not** be accepted 9 C.2.13 Add the following sub-clause C.2.13.10: .10 Accept that all conditions, which are printed or written upon any stationery used by the Tenderer for the purpose of or in connection with the submission of a tender offer for this Contract, which are in conflict with the conditions laid down in this document shall be waived, renounced and abandoned. C.2.14 Informatio **Add** the following to the clause: n and data to be The Tenderer is required to enter information in the following sections of the document: completed in all Section T2.2 Returnable Schedules Section C1.1 Form of Offer and Acceptance respects Section C1.2 Contract Data (Part 2) Section C2.2 Pricing Schedule The above sections shall be signed by the Tenderer (and witnesses where required). Individual pages should only be initialled by the successful Tenderer and by the witnesses after acceptance by the Employer of the Tender Offer. The Tenderer shall complete and sign the Form of Offer prior to the submission of a Tender Offer. The Schedule of Deviations (if applicable) shall be signed by the successful Tenderer after acceptance by the Employer of the Tender Offer. Accept that failure on the part of the Tenderer to submit any one of the Returnable Documents listed in Part T2 – Returnable Documents within the period stipulated, shall be just cause for the Employer to consider the tender offer as being regarded as non-responsive. Accept that the Employer shall in the evaluation of tender offers take due account of the Tenderer's past performance in the execution of similar engineering works of comparable magnitude, and the degree to which he possesses the necessary technical, financial and other resources to enable him to complete the Works successfully within the contract period. Satisfy the Employer and the Engineer as to his ability to perform and complete the Works timeously, safely and with satisfactory quality, and furnish details in Part T2 – Returnable Documents. C.2.15 Closing The closing date and time is: time 10:00 AM Closing Time: 25 October 2023 Closing Date: Each tender shall be enclosed in a sealed envelope, bearing the correct identification details (Clause C.2.13.5) and shall be placed in the tender box located at: City of Tshwane Municipality 320 Madiba Street **Tshwane House Pretoria** 0001

**CLAUSE NUMBER** TENDER DATA This address is 24 hours available for delivery of tender offers. Please ensure that all required compliance documents are included upon submission as no additional documents will be requested from bidders after closing. C.2.16 Tender The tender offer validity period is 90 days. offer validity <u>Add</u> the following new clause. C.2.16 If the tender validity period expires on a Saturday, Sunday or public holiday, the tender offer .5 shall remain valid and open for acceptance until closure of business on the following working C.2.18 Provide The tenderer shall, when requested by the employer to do so, submit the names of all other management and supervisory staff that will be employed to supervise the labour-intensive material portion of the works together with satisfactory evidence that such staff members satisfy the eligibility requirements. C.2.19 Inspection **Add** the following at the end of the clause: s, tests and analysis .... or upon written request. C.2.20 Submit The tenderer is required to submit with his tender proof of his Professional Indemnity securities, Insurance. bonds, policies, etc. C.2.23 Certificates Refer to part T2 of this procurement document for a list of the documents that are to be returned with the tender. Add the following new clause. C.2.24 Canvassing The Tenderer shall not make any attempt either directly or indirectly to canvass any of the Employer's officials or the Employer's agent in respect of his tender, after the opening of the and tenders but prior to the Employer arriving at a decision thereon. obtaining of The Tenderer shall not make any attempt to obtain particulars of any relevant information, additional informatio other than that disclosed at the opening of tenders. n by tenderers Add the following new clause. C.2.25 Prohibition The Employer is prohibited to award a tender to a person s on who is in the service of the state; or awards to if that person is not a natural person, of which any director, manager, principal persons in shareholder or stakeholder is a person in the service of the state; or service of c) a person who is an advisor or consultant contracted with the municipality or municipal the state entity. In the service of the state means to be a member of: -• any municipal council. • any provincial legislature; or

CLAUS	E NUMBER	TENDER DATA
		<ul> <li>the National Assembly or the National Council of Provinces.</li> <li>b) a member of the board of directors of any municipal entity.</li> <li>c) an official of any municipality or municipal entity.</li> <li>d) an employee of any national or provincial department.</li> <li>e) provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999).</li> <li>f) a member of the accounting authority of any national or provincial public entity; or an employee of Parliament or a provincial legislature.</li> <li>In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.</li> </ul>
C.2.26	Awards to close family	Add the following new clause.  Accept that the notes to the Employer's annual financial statements must disclose particulars of any award of more than R2000 to a person who is a spouse, child or parent of a person in the service of the state (defined in clause F2.25), or has been in the service of the state in the
	members of persons in the service of the state	previous twelve months, including - a) the name of that person. b) the capacity in which that person is in the service of the state; and c) the amount of the award.
		In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.
		Add the following new clause.
C.2.27	Vendor registratio n	The contractor will be required registering as a supplier/ service provider on the City of Tshwane's vendor register before any payment can be done.
	"	If the tenderer is already registered as a vendor, it is required to record the vendor number in space provided on the cover page of this Tender document.
		Vendor registration documents are available from the Procurement Advice Centre or can be downloaded from <a href="http://www.tshwane.gov.za/procurement.cfm">http://www.tshwane.gov.za/procurement.cfm</a>
		All parties of a joint venture or consortium submitting a tender shall comply with the requirements of this clause.
		Add the following new clause.
C.2.28	Tax	National Treasury SCM Instruction no. 7 of 2017/18 clause 4 application during SCM Processes state that:
		The designated official(s) must verify the tenderer's tax compliance status prior to the finalisation of the award of the tender or price quotation.
		Where the recommended tenderer is not tax compliant, the tenderer should be notified of their non- compliant status and the tenderer must be requested to submit to the municipality or municipal entity, within 7 working days, written proof from South African Revenue Services of their tax compliance status or proof from SARS that they have made an arrangement to meet

CLAUSE NUMBER		TENDER DATA	
		their outstanding tax obligations. The proof of tax compliance status submitted by the tenderer to the municipality or municipal entity must be verified via the Central Supplier Database or eFiling.	
		Accept that the tenderer will be rejected if such tenderer fails to provide proof of tax compliance status in terms of clause 4.2 of National Treasury SCM Instruction no. 7 of 2017/18	
C.3.1	Respond to requests from the tenderer		
C.3.1. 1		The employer will respond to requests for clarification up to <b>2 (two) working days</b> before the tender closing time.	
C.3.4	Opening of tender submission s	Tenders will be opened immediately after the closing time for tenders	
C.3.11	Evaluation of tender offers	Specify the stages of evaluation.  This bid will be evaluated in four evaluation stages namely:  Stage 1: Administrative compliance Stage 2: Mandatory requirements Stage 3: Functionality Stage 4: Preference Points System	
C.3.11 .1	General	In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in C.3.11.3 below supported by proof/ documentation stated in the conditions of this tender.	
		Add the following new clause:	
C.3.11 .2	Method: Method of evaluation		
		Add the following new clause:	
C.3.11 .3	80/20 Preference Point	The 80/20 preference point system for acquisition of services, works or goods up to Rand value of R50 million:	
	System	(a) The following formula must be used to calculate the points for price in respect of tenders (including price quotation) with a Rand value equal to, or above R 30 000 and up to Rand value of R50 000 000 (all applicable taxes included):	

CLAUSE NUMBER	TENDER DATA		
	(b) $P_s = 80 \left[ 1 \right]$	$-\left(\frac{P_t - P_{min}}{P_{min}}\right)\right]$	
	Where		
	considerat	tion.	price of tender or offer under
		ive price of tender of offe ive price of lowest accep	er under consideration; and table tender or offer.
			ne formula in paragraph (i) for price 30 000, if and when appropriate.
		ne B-BBEE status level o	s must be awarded to a tender for f contributor in accordance with the
	(e) A maximum SCM policy	of 20 specific goals ma	y be allocated in accordance with the
	(f) The points s	scored for the specific go	al must be added to the points scored
	for price an	d the total must be rou	nded off to the nearest two decimal
	places.		
	(g) Subject to s	ection 2(1)(f) of the Act,	the contract must be awarded to the
	tenderer sc	oring the highest points.	
	20 points for Specific goals (servi Refer to the table below:	ce provider to submit th	e certified copy of the specific goals).
	Specific goals	80/20 preference point system	Proof of specific goals to be submitted
	BB-BEE score of companies  Level 1  Level 2  Level 3  Level 4  Level 5  Level 6  Level 7  Level 8  Non-compliant	<ul> <li>8 Points</li> <li>7 Points</li> <li>6 Points</li> <li>5 Points</li> <li>4 Points</li> <li>3 Points</li> <li>2 Points</li> <li>1 Point</li> <li>0 Points</li> </ul>	Valid Certified copy of BBBEE certificate. Sworn Affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBBEE certificate.
	EME and/ or QSE	2 Points	Valid Sworn affidavit for B- BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBBEE certificate

**CLAUSE NUMBER TENDER DATA** At least 51% of Women-2 Points Certified copy of Identity owned companies Document/s and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership) At least 51% owned 2 Points Medical Certificate with companies by People with doctor's details (Practice disability Number, Physical Address, and contact numbers) and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership At least 51% owned 2 Point Certified copy of Identity companies by Youth Document/s and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership Local **Economic** Municipal Account Participation 4 Points statement/Lease agreement. City of Tshwane 2 Points 1 Point Gauteng National Acceptanc Tender offers will only be accepted if: e of C.3.11 Tender (a) the tenderer complies with the eligibility criteria stated in clause C.2.1 .4 Offer the tenderer is able to provide proof of tax compliance status in terms of clause 4.2 of National Treasury SCM Instruction no. 7 of 2017/18. (c) the tenderer is not in arrears for more than 3 months with municipal rates and taxes and municipal service charges. (d) the tenderer or any of its directors is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector. (e) the tenderer has not: abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect. (f) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract.

CLAUSE NUMBER	TENDER DATA
	(a) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer;
C.3.13 Copies of Contract	(g) <u>One</u> signed copy of contract shall be provided by the Employer to the successful Tenderer.
C.3.17	

# **T1.3 STANDARD CONDITIONS OF TENDER**

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#### C.1 General

#### C.1.1 Actions

C.1.1.1 The Employer and each tenderer submitting a tender offer shall comply with these conditions of tender. In their dealings with each other, they shall discharge their duties and obligations as set out in C.2 and C.3, timeously and with integrity, and behave equitably, honestly and transparently, comply with all legal obligations and not engage in anticompetitive practices.

C.1.1.2 The Employer and the tenderer and all their agents and employees involved in the tender process shall avoid conflicts of interest and where a conflict of interest is perceived or known, declare any such conflict of interest, indicating the nature of such conflict. Tenderers shall declare any potential conflict of interest in their tender submissions. Employees, agents and advisors of the Employer shall declare any conflict of interest to whoever is responsible for overseeing the procurement process at the start of any deliberations relating to the procurement process or as soon as they become aware of such conflict, and abstain from any decisions where such conflict exists or recuse themselves from the procurement process, as appropriate.

Note:

- 1) A conflict of interest may arise due to a conflict of roles which might provide an incentive for improper acts in some circumstances. A conflict of interest can create an appearance of impropriety that can undermine confidence in the ability of that person to act properly in his or her position even if no improper acts result.
- 2) Conflicts of interest in respect of those engaged in the procurement process include direct, indirect, or family interests in the tender or outcome of the procurement process and any personal bias, inclination, obligation, allegiance, or loyalty which would in any way affect any decisions taken.
- **C.1.1.3** The Employer shall not seek, and a tenderer shall not submit a tender without having a firm intention and the capacity to proceed with the contract.

## C.1.2 Tender Documents

The documents issued by the Employer for the purpose of a tender offer are listed in the tender data.

#### C.1.3 Interpretation

- **C.1.3.1** The tender data and additional requirements contained in the tender schedules that are included in the returnable documents are deemed to be part of these conditions of tender.
- **C.1.3.2** These conditions of tender, the tender data and tender schedules which are only required for tender evaluation purposes, shall not form part of any contract arising from the invitation to tender.
- **C.1.3.3** For the purposes of these conditions of tender, the following definitions apply:
  - a) conflict of interest means any situation which:
    - i) someone in a position of trust has competing professional or personal interests which make it difficult to fulfil his or her duties impartially.
    - ii) an individual or organisation can exploit a professional or official capacity in some way for their personal or corporate benefit; or
    - iii) incompatibility or contradictory interests exist between an employee and the organisation which employes that employee.
  - b) **comparative offer** means the price after the factors of a non-firm price and all unconditional discounts it can be utilised to have been taken into consideration.

- c) **corrupt practice** means the offering, giving, receiving, or soliciting of anything of value to influence the action of the Employer or his staff or agents in the tender process.
- d) **fraudulent practice** means the misrepresentation of the facts in order to influence the tender process or the award of a contract arising from a tender offer to the detriment of the Employer, including collusive practices intended to establish prices at artificial levels.

## C.1.4 Communication and Employer's agent

Each communication between the Employer and a tenderer shall be to or from the Employer's agent only, and in a form that can be readily read, copied, and recorded. Communications shall be in the English language. The Employer shall not take any responsibility for non-receipt of communications from or by a tenderer. The name and contact details of the Employer's agent are stated in the tender data.

#### C.1.5 Cancellation and re-invitation of tenders

- **C.1.5.1** An organ of state may, prior to the award of the tender, cancel the tender if-
  - (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or
  - (b) funds are no longer available to cover the total envisaged expenditure.
  - (c) no acceptable tenders are received; or
  - (d) there is a material irregularity in the tender process.
- **C.1.5.2** The decision to cancel the tender must be published in the same way the original tender invitation was advertised.
- **C.1.5.3** An Employer may only with the prior approval of the relevant treasury cancel a tender invitation for a second time.

# C.1.6 Procurement procedures

#### C.1.6.1 General

Unless otherwise stated in the tender data, a contract will, subject to C.3.13, be concluded with the tenderer who in terms of C.3.11 is the highest ranked or the tenderer scoring the highest number of tender evaluation points, as relevant, based on the tender submissions that are received at the closing time for tenders.

#### C.1.6.2 Competitive negotiation procedure

- **C.1.6.2.1** Where the tender data require that the competitive negotiation procedure is to be followed, tenderers shall submit tender offers in response to the proposed contract in the first round of submissions. Notwithstanding the requirements of C.3.4, the Employer shall announce only the names of the tenderers who make a submission. The requirements of C.3.8 relating to the material deviations or qualifications which affect the competitive position of tenderers shall not apply.
- **C.1.6.2.2** All responsive tenderers, or not less than three responsive tenderers that are highest ranked in terms of the evaluation method and evaluation criteria stated in the tender data, shall be invited in each round to enter competitive negotiations, based on the principle of equal treatment, and keeping confidential the proposed solutions and associated information.

Notwithstanding the provisions of C.2.17, the Employer may request that tenders be clarified, specified, and fine-tuned to improve a tenderer's competitive position provided that such clarification, specification, fine-tuning or additional information does not alter any fundamental aspects of the offers or impose substantial new requirements which restrict or distort competition or have a discriminatory effect.

- **C.1.6.2.3** At the conclusion of each round of negotiations, tenderers shall be invited by the Employer to revise their tender offer based on the same evaluation criteria, with or without adjusted weightings. Tenderers shall be advised when they are to submit their best and final offer.
- **C.1.6.2.4** The contract shall be awarded in accordance with the provisions of C.3.11 and C.3.13 after tenderers have been requested to submit their best and final offer.

#### C.1.6.3 Proposal procedure using the two stage-system

#### C.1.6.3.1 Option 1

Tenderers shall in the first stage submit technical proposals and, if required, cost parameters around which a contract may be negotiated. The Employer shall evaluate each responsive submission in terms of the method of evaluation stated in the tender data, and in the second stage negotiate a contract with the tenderer scoring the highest number of evaluation points and award the contract in terms of these conditions of tender.

#### C.1.6.3.2 Option 2

- **C.1.6.3.2.1** Tenderers shall submit in the first stage only technical proposals. The Employer shall invite all responsive tenderers to submit tender offers in the second stage, following the issuing of procurement documents.
- **C.1.6.3.2.2** The Employer shall evaluate tenders received during the second stage in terms of the method of evaluation stated in the tender data and award the contract in terms of these conditions of tender.

## C.2 Tenderer's obligations

# C.2.1 Eligibility

- **C.2.1.1** Submit a tender offer only if the tenderer satisfies the criteria stated in the tender data and the tenderer, or any of his principals, is not under any restriction to do business with Employer.
- C.2.1.2 Notify the Employer of any proposed material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used by the Employer as the basis in a prior process to invite the tenderer to submit a tender offer and obtain the Employer's written approval to do so prior to the closing time for tenders.

### C.2.2 Cost of tendering

- **C.2.2.1** Accept that, unless otherwise stated in the tender data, the Employer will not compensate the tenderer for any costs incurred in the preparation and submission of a tender offer, including the costs of any testing necessary to demonstrate that aspects of the offer comply with requirements.
- **C.2.2.2** The cost of the tender documents charged by the Employer shall be limited to the actual cost incurred by the Employer for printing the documents. Employers must attempt to make available the tender documents on its website so as not to incur any costs pertaining to the printing of the tender documents.

## C.2.3 Check documents

Check the tender documents on receipt for completeness and notify the Employer of any discrepancy or omission.

## C.2.4 Confidentiality and copyright of documents

Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the Employer only for the purpose of preparing and submitting a tender offer in response to the invitation.

#### C.2.5 Reference documents

Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are not attached but which are incorporated into the tender documents by reference.

# C.2.6 Acknowledge addenda

Acknowledge receipt of addenda to the tender documents, which the Employer may issue, and if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.

#### C.2.7 Clarification meeting

Attend, where required, a clarification meeting at which tenderers may familiarize themselves with aspects of the proposed work, services or supply and raise questions. Details of the meeting(s) are stated in the tender data.

#### C.2.8 Seek clarification

Request clarification of the tender documents, if necessary, by notifying the Employer at least five (5) working days before the closing time stated in the tender data.

## C.2.9 Insurance

Be aware that the extent of insurance to be provided by the Employer (if any) might not be for the full cover required in terms of the conditions of contract identified in the contract data. The tenderer is advised to seek qualified advice regarding insurance.

## C.2.10 Pricing the tender offer

- **C.2.10.1** Include in the rates, prices, and the tendered total of the prices (if any) all duties, taxes except Value Added Tax (VAT), and other levies payable by the successful tenderer, such duties, taxes and levies being those applicable 14 days before the closing time stated in the tender data.
- **C.2.10.2** Show VAT payable by the Employer separately as an addition to the tendered total of the prices.
- **C.2.10.3** Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data.
- **C.2.10.4** State the rates and prices in Rand unless instructed otherwise in the tender data. The conditions of contract identified in the contract data may provide for part payment in other currencies.

#### C.2.11 Alterations to documents

Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the Employer, or necessary to correct errors made by the tenderer. All signatories to the tender offer shall initial all such alterations.

#### C.2.12 Alternative tender offers

- **C.2.12.1** Unless otherwise stated in the tender data, submit alternative tender offers only if a main tender offer, strictly in accordance with all the requirements of the tender documents, is also submitted as well as a schedule that compares the requirements of the tender documents with the alternative requirements that are proposed.
- **C.2.12.2** Accept that an alternative tender offer may be based only on the criteria stated in the tender data or criteria otherwise acceptable to the Employer.
- **C.2.12.3** An alternative tender offer may only be considered if the main tender is the winning tender.

### C.2.13 Submitting a tender offer

- **C.2.13.1** Submit one tender offer only, either as a single tendering entity or as a member in a joint venture to provide the whole of the works, services or supply identified in the contract data and described in the scope of works, unless stated otherwise in the tender data.
- **C.2.13.2** Return all returnable documents to the Employer after completing them in their entirety, either electronically (if they were issued in electronic format) or by writing legibly in non-erasable ink.
- **C.2.13.3** Submit the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with an English translation of any documentation in a language other than English, and the parts communicated electronically in the same format as they were issued by the Employer.
- **C.2.13.4** Sign the original and all copies of the tender offer where required in terms of the tender data. The Employer will hold all authorized signatories liable on behalf of the tenderer. Signatories for tenderers proposing to contract as joint ventures shall state which of the signatories is the lead partner whom the Employer shall hold liable for the purpose of the tender offer.
- **C.2.13.5** Seal the original and each copy of the tender offer as separate packages marking the packages as "ORIGINAL" and "COPY". Each package shall state on the outside the Employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.
- **C.2.13.6** Where a two-envelope system is required in terms of the tender data, place and seal the returnable documents listed in the tender data in an envelope marked "financial proposal" and place the remaining returnable documents in an envelope marked "technical proposal". Each envelope shall state on the outside the Employer's address and identification details stated in the tender data, as well as the tenderer's name and contact address.
- **C.2.13.7** Seal the original tender offer and copy packages together in an outer package that states on the outside only the Employer's address and identification details as stated in the tender data.
- **C.2.13.8** Accept that the Employer will not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
- **C.2.13.9** Accept that tender offers submitted by facsimile or e-mail will be rejected by the Employer, unless stated otherwise in the tender data.

## C.2.14 Information and data to be completed in all respects

Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the Employer as non-responsive.

#### C.2.15 Closing time

- **C.2.15.1** Ensure that the Employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Accept that proof of posting shall not be accepted as proof of delivery.
- **C.2.15.2** Accept that, if the Employer extends the closing time stated in the tender data for any reason, the requirements of these conditions of tender apply equally to the extended deadline.
- C.2.16 Tender offer validity
- **C.2.16.1** Hold the tender offer(s) valid for acceptance by the Employer at any time during the validity period stated in the tender data after the closing time stated in the tender data.
- **C.2.16.2** If requested by the Employer, consider extending the validity period stated in the tender data for an agreed additional period with or without any conditions attached to such extension.
- **C.2.16.3** Accept that a tender submission that has been submitted to the Employer may only be withdrawn or substituted by giving the Employer's agent written notice before the closing time for tenders that a tender is to be withdrawn or substituted. If the validity period stated in C.2.16 lapses before the Employer evaluating tender, the Contractor reserves the right to review the price based on Consumer Price Index (CPI).
- **C.2.16.4** Where a tender submission is to be substituted, submit a substitute tender in accordance with the requirements of C.2.13 with the packages clearly marked as "SUBSTITUTE".

## C.2.17 Clarification of tender offer after submission

Provide clarification of a tender offer in response to a request to do so from the Employer during the evaluation of tender offers. This may include providing a breakdown of rates or prices and correction of arithmetical errors by the adjustment of certain rates or item prices (or both). No change in the competitive position of tenderers or substance of the tender offer is sought, offered, or permitted.

**Note:** Sub-clause C.2.17 does not preclude the negotiation of the final terms of the contract with a preferred tenderer following a competitive selection process, should the Employer elect to do so.

#### C.2.18 Provide other material

**C.2.18.1** Provide, on request by the Employer, any other material that has a bearing on the tender offer, the tenderer's commercial position (including notarized joint venture agreements), preferencing arrangements, or samples of materials, considered necessary by the Employer for the purpose of a full and fair risk assessment.

Should the tenderer not provide the material, or a satisfactory reason as to why it cannot be provided, by the time for submission stated in the Employer's request, the Employer may regard the tender offer as non-responsive.

**C.2.18.2** Dispose of samples of materials provided for evaluation by the Employer, where required.

#### C.2.19 Inspections, test, and analysis

Provide access during working hours to premises for inspections, tests and analysis as provided for in the tender data.

#### C.2.20 Submit securities, bonds, and policies

If requested, submit for the Employer's acceptance before formation of the contract, all securities, bonds, guarantees, policies, and certificates of insurance required in terms of the conditions of contract identified in the contract data.

#### C.2.21 Check final draft

Check the final draft of the contract provided by the Employer within the time available for the Employer to issue the contract.

#### C.2.22 Return of other tender documents

If so, instructed by the Employer, return all retained tender documents within 28 days after the expiry of the validity period stated in the tender data.

#### C.2.23 Certificates

Include in the tender submission or provide the Employer with any certificates as stated in the tender data.

## C.3 The Employer's undertakings

#### C.3.1 Respond to requests from the tenderer

- **C.3.1.1** Unless otherwise stated in the Tender Data respond to a request for clarification received up to five (5) working days before the tender closing time stated in the Tender Data and notify all tenderers who collected tender documents.
- **C.3.1.2** Consider any request to make a material change in the capabilities or formation of the tendering entity (or both) or any other criteria which formed part of the qualifying requirements used to prequalify a tenderer to submit a tender offer in terms of a previous procurement process and deny any such request if therefore:
  - a) an individual firm, or a joint venture, or any individual member of the joint venture fails to meet any of the collective or individual qualifying requirements.
  - b) the new partners to a joint venture were not prequalified in the first instance, either as individual firms or as another joint venture; or
  - c) in the opinion of the Employer, acceptance of the material change would compromise the outcome of the prequalification process.

## C.3.2 Issue addenda

If necessary, issue addenda that may amend or amplify the tender documents to each tenderer during the period from the date that tender documents are available until three (3) working days before the tender closing time stated in the Tender Data. If, as a result a tenderer applies for an extension to the closing time stated in the Tender Data, the Employer may grant such extension and, shall then notify all tenderers who collected tender documents.

#### C.3.3 Return late tender offers

Return tender offers received after the closing time stated in the Tender Data, unopened, (unless it is necessary to open a tender submission to obtain a forwarding address), to the tenderer concerned.

#### C.3.4 Opening of tender submissions

- **C.3.4.1** Unless the two-envelope system is to be followed, open valid tender submissions in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data. Tender submissions for which acceptable reasons for withdrawal have been submitted will not be opened.
- **C.3.4.2** Announce at the meeting held immediately after the opening of tender submissions, at a venue indicated in the tender data, the name of each tenderer whose tender offer is opened and, where applicable, the total of his prices, number of points claimed for its BBBEE status level and time for completion for the main tender offer only.
- **C.3.4.3** Make available the record outlined in C.3.4.2 to all interested persons upon request.

## C.3.5 Two-envelope system

- **C.3.5.1** Where stated in the tender data that a two-envelope system is to be followed, open only the technical proposal of valid tenders in the presence of tenderers' agents who choose to attend at the time and place stated in the tender data and announce the name of each tenderer whose technical proposal is opened.
- C.3.5.2 Evaluate functionality of the technical proposals offered by tenderers, then advise tenderers who remain in contention for the award of the contract of the time and place when the financial proposals will be opened. Open only the financial proposals of tenderers, who score in the functionality evaluation more than the minimum number of points for functionality stated in the tender data, and announce the score obtained for the technical proposals and the total price and any points claimed on BBBEE status level. Return unopened financial proposals to tenderers whose technical proposals failed to achieve the minimum number of points for functionality.

## C.3.6 Non-disclosure

Not disclose to tenderers, or to any other person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.

## C.3.7 Grounds for rejection and disqualification

Determine whether there has been any effort by a tenderer to influence the processing of tender offers and instantly disqualify a tenderer (and his tender offer) if it is established that he engaged in corrupt or fraudulent practices.

#### C.3.8 Test for responsiveness

- **C.3.8.1** Determine, after opening and before detailed evaluation, whether each tender offer properly received:
  - a) complies with the requirements of these Conditions of Tender,
  - b) has been properly and fully completed and signed, and
  - c) is responsive to the other requirements of the tender documents.

- **C.3.8.2** A responsive tender is one that conforms to all the terms, conditions, and specifications of the tender documents without material deviation or qualification. A material deviation or qualification is one which, in the Employer's opinion, would:
  - a) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the Scope of Work,
  - b) significantly change the Employer's or the tenderer's risks and responsibilities under the contract, or
  - c) affect the competitive position of other tenderers presenting responsive tenders if it were to be rectified.

Reject a non-responsive tender offer, and not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.

## C.3.9 Arithmetical errors, omissions, and discrepancies

- **C.3.9.1** Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern.
- **C.3.9.2** Check the highest ranked tender or tenderer with the highest number of tender evaluation points after the evaluation of tender offers in accordance with C.3.11 for:
  - a) the gross misplacement of the decimal point in any unit rate.
  - b) omissions made in completing the pricing schedule or bills of quantities; or
  - c) arithmetic errors in:
    - i) line-item totals resulting from the product of a unit rate and a quantity in bills of quantities or schedules of prices; or
    - ii) the summation of the prices.
- **C.3.9.3** Notify the tenderer of all errors or omissions that are identified in the tender offer and either confirm the tender offer as tendered or accept the corrected total of prices.
- **C.3.9.4** Where the tenderer elects to confirm the tender offer as tendered, correct the errors as follows:
  - a) If bills of quantities or pricing schedules apply and there is an error in the line-item total resulting from the product of the unit rate and the quantity, the line-item total shall govern, and the rate shall be corrected. Where there is an obviously gross misplacement of the decimal point in the unit rate, the line-item total as quoted shall govern, and the unit rate shall be corrected.
  - c) Where there is an error in the total of the prices either because of other corrections required by this checking process or in the tenderer's addition of prices, the total of the prices shall govern, and the tenderer will be asked to revise selected item prices (and their rates if bills of quantities apply) to achieve the tendered total of the prices.

Consider the rejection of a tender offer if the tenderer does not correct or accept the correction of the arithmetical error in the manner described above.

## C.3.10 Clarification of a tender offer

Obtain clarification from a tenderer on any matter that could give rise to ambiguity in a contract arising from the tender offer.

#### C.3.11 Evaluation of tender offers

The Standard Conditions of Tender standardize the procurement processes, methods, and procedures from the time that tenders are invited to the time that a contract is awarded. They are generic in nature and are made project specific through choices that are made in developing the Tender Data associated with a specific project.

Conditions of tender are the document that establishes a tenderer's obligations in submitting a tender and the Employer's undertakings in soliciting and evaluating tender offers. Such conditions establish the rules from the time a tender is advertised to the time that a contract is awarded and require Employers to conduct the process of offer and acceptance in terms of a set of standard procedures

The CIDB Standard Conditions of Tender are based on a procurement system that satisfies the following system requirements:		
Requirement	Qualitative interpretation of goal	
Fair	The process of offer and acceptance is conducted impartially without bias, providing simultaneous and timely access to participating parties to the same information.	
Equitable	Terms and conditions for performing the work do not unfairly prejudice the interests of the parties.	
Transparent	The only grounds for not awarding a contract to a tenderer who satisfies all requirements are restrictions from doing business with the employer, lack of capability or capacity, legal impediments and conflicts of interest.	
Competitive	The system provides for appropriate levels of competition to ensure cost effective and best value outcomes.	
Cost effective	The processes, procedures and methods are standardized with sufficient flexibility to attain best value outcomes in respect of quality, timing and price, and least resources to effectively manage and control procurement processes.	

#### The activities associated with evaluating tender offers are as follows:

- a) Open and record tender offers received
- b) Determine whether tender offers are complete
- c) Determine whether tender offers are responsive
- d) Evaluate tender offers
- e) Determine if there are any grounds for disqualification
- f) Determine acceptability of preferred tenderer
- g) Prepare a tender evaluation report
- h) Confirm the recommendation contained in the tender evaluation report

## C.3.11.1 General

The employer must appoint an evaluation panel of not less than three persons conversant with the proposed scope of works to evaluate each responsive tender offer using the tender evaluation methods and associated evaluation criteria and weightings that are specified in the tender data.

#### C.3.12 Insurance provided by the Employer

If requested by the proposed successful tenderer, submit for the tenderer's information the policies and / or certificates of insurance which the conditions of contract identified in the contract data, require the Employer to provide.

#### C.3.13 Acceptance of tender offer

Accept the tender offer, if in the opinion of the Employer, it does not present any unacceptable commercial risk and only if the tenderer:

- a) is not under restrictions, or has principals who are under restrictions, preventing participating in the Employer's procurement,
- can, as necessary and in relation to the proposed contract, demonstrate that he or she possesses
  the professional and technical qualifications, professional and technical competence, financial
  resources, equipment and other physical facilities, managerial capability, reliability, experience and
  reputation, expertise and the personnel, to perform the contract,
- c) has the legal capacity to enter into the contract,
- d) is not insolvent, in receivership, under Business Rescue as provided for in chapter 6 of the Companies Act, 2008, bankrupt or being wound up, has his affairs administered by a court or a judicial officer, has suspended his business activities, or is subject to legal proceedings in respect of any of the foregoing,
- e) complies with the legal requirements, if any, stated in the tender data, and
- f) is able, in the opinion of the Employer, to perform the contract free of conflicts of interest.

#### C.3.14 Prepare contract documents

- **C.3.14.1** If necessary, revise documents that shall form part of the contract and that were issued by the Employer as part of the tender documents to take account of:
  - a) addenda issued during the tender period,
  - b) inclusion of some of the returnable documents, and
  - c) other revisions agreed between the Employer and the successful tenderer.
- **C.3.14.2** Complete the schedule of deviations attached to the form of offer and acceptance, if any.

## C.3.15 Complete adjudicator's contract

Unless alternative arrangements have been agreed or otherwise provided for in the contract, arrange for both parties to complete formalities for appointing the selected adjudicator at the same time as the main contract is signed.

#### C.3.16 Registration of the award

An Employer must, within twenty-one (21) working days from the date on which a contractor's offer to perform a construction works contract is accepted in writing by the employer, register and publish the award on the CIDB Register of Projects.

**C.3.16.2** After the successful tenderer has been notified of the Employer's acceptance of the tender, notify other tenderers that their tender offers have not been accepted.

## C.3.17 Provide copies of the contracts

Provide to the successful tenderer the number of copies stated in the tender data of the signed copy of the contract as soon as possible after completion and signing of the form of offer and acceptance.

#### C.3.18 Provide written reasons for actions taken

Provide upon request written reasons to tenderers for any action that is taken in applying these conditions of tender but withhold information which is not in the public interest to be divulged, which is considered to prejudice the legitimate commercial interests of tenderers or might prejudice fair competition between tenderers.

# PART T2: RETURNABLE DOCUMENTS

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## **T2.1 LIST OF RETURNABLE DOCUMENTS**

## RD.A MANDATORY RETURNABLE DOCUMENTS

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration

Document Name	Reference	Confirmation of Document Included (Tenders may use this column to confirm documents have been completed and included in the tender)
MBD 4: Declaration of interest	Form RD.A.1	
MBD 8: Declaration of tenderer's past supply chain management practises	Form RD.A.2	
Original manufacturer accreditation	Form RD.A.3	
Tenderers experience	Form RD.A.4	
Completion certificates	Form RD.A.5	
Key personnel	Form RD.A.6	

## RD. B RETURNABLE DOCUMENTS REQUIRED FOR <u>PREFERENTIAL PROCUREMENT EVALUATION</u> PURPOSES

Note: Failure to submit the applicable documents will result in the tender offer being awarded 0 (zero) preference points

Document Name	Reference	Confirmation of Document Included (Tenders may use this column to confirm documents have been completed and included in the tender)
MBD 6.1: Preference Points Claim Form in terms of the Preferential Procurement Regulations 2022	Form RD.B.1	
Valid B-BBEE Status Level of Contributor Certificate	Form RD.B.2	
B-BBEE Exempted Micro Enterprise – Sworn Affidavit	Form RD.B.3	
Promotion of local enterprises (Local Economic Participation)	Form RD.B.4	
Certified copy of Identity Document/s	Form RD.B.5	
Medical Certificate with doctor's details (Practice Number, Physical Address and contact numbers)	Form RD.B.6	

# RD.C ADDITIONAL RETURNABLE DOCUMENTS REQUIRED FOR <u>TENDER EVALUATION</u> PURPOSES

Note: Failure to submit the applicable document will result in the Tenderer having to submit same upon request within 7 days and if not complied with, will result to the tender offer being disqualified from further consideration [See also clause 2.18 of the Standard Conditions of Tender]

Document Name	Reference	Confirmation of Document Included (Tenders may use this column to confirm documents have been completed and included in the tender)
Form of offer and acceptance	Section C1.1	
MBD 5: Declaration for procurement above R10 million (all applicable taxes included)	RD.C.1	
MBD 9: Certificate of independent tender determination	RD.C.2	
MBD 5: Declaration for procurement above R10 million (all applicable taxes included)		
Proof of registration with the CIDB	RD.C.3	
Compliance with OHSA (Act 85 of 1993)	RD.C.4	
Record of services provided to organs of state	RD.C.5	
Schedule of plant and equipment	RD.C.6	
Status of concern submitting tender	RD.C.7	
Classification of business	RD.C.8	
Certificate of authority of signatory	RD.C.9	
Certificate of authority of signatory for joint ventures and consortia	RD.C.10	

RD. D RETURNABLE DOCUMENTS REQUIRED FOR <u>FUNCTIONALITY EVALUATION</u> PURPOSES

Note: Failure to submit the applicable documents will result in the Tenderer receiving a 0 (zero) score for the

applicable evaluation schedule.

Document Name	Reference	Confirmation of Document Included (Tenders may use this column to confirm documents have been completed and included in the tender)
Evaluation Schedule: Tenderer's experience	RD.D.1	
Schedule of tenderer's experience	RD.D.2	
Evaluation Schedule: Experience of key personnel	RD.D.3	
Key personnel	RD.D.4	
Curriculum vitae of key personnel	RD.D.5	

## RD. E OTHER DOCUMENTS THAT WILL FORM PART OF THE CONTRACT

Note: Failure to submit or fully complete the applicable documents will result in the tender offer being disqualified from further consideration

Document Name	Reference	Confirmation of Document Included (Tenders may use this column to confirm documents have been completed and included in the tender)
Record of addenda to tender documents	RD.E.1	

# **T2.2 RETURNABLE SCHEDULES**

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## FORM RD.A.1 MBD 4: DECLARATION OF INTEREST

- 1. No bid will be accepted from persons in the service of the state.
- 2. Any person, having kinship with persons in the service of the state<sup>1</sup>, including blood relationship, may make an offer in terms of this invitation to tender. In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons connected with or related to persons in service of the state, it is required that the bidder or their authorised representative declare their position in relation to the evaluating/adjudicating authority.
- 3. In order to give effect to the above, the following questionnaire must be completed and submitted with the tender.

3.1	Full name of tenderer or his/her representative:			
3.2	Identity number:			
3.3	Position occupied in the tendering company: (e.g. director, trustee, shareholder <sup>2</sup> )			
3.4	Company registration number:			
3.5	Tax reference number:			
3.6	VAT Registration number:			
3.7	The names of all directors / trustees / shareholde employee numbers must be indicates in paragraph	· · · · · · · · · · · · · · · · · · ·	ers and	state
3.8	Are you presently in the service of the state?		YES	NO
3.8	Are you presently in the service of the state?  If YES, furnish particulars.		YES	NO
3.8		past twelve months?	YES	NO

i) any municpal council;

<sup>&</sup>lt;sup>1</sup> MSCM Regulations: "in the service of the state" means to be -

<sup>(</sup>a) a member of -

ii) any provincial legislature; or

iii) the national assembly of the national council of provinces;

<sup>(</sup>b) a member of the board of directors of any municipal entity;

<sup>(</sup>c) an official of any municipality of municipal entity;

<sup>(</sup>d) an employee of any national or provicial department, national or provicial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No 1 of 1999);

<sup>(</sup>e) a member of the accounting authority of any national or provicial public entity; or

<sup>(</sup>f) an employee of parliament or provicial legislature.

<sup>&</sup>lt;sup>2</sup> **Shareholder** means a person who owns shares in the company and is actively involved in the management of the company or business and exercises control over the company.

3.10 Do you have any relationship (family, friend, other) with persons in the service of the state YES NO and who may be involved with the evaluation and or adjudication of this tender? If YES, furnish particulars 3.11 Are you aware of any relationship (family, friend, other) between any other bidder and any YES persons in the service of the state who may be involved with the evaluation and or NO adjudication of this bid? If YES, furnish particulars 3.12 Are any of the company's directors, trustees, managers, principal shareholders, or YES NO stakeholders in service of the state? If YES, furnish particulars 3.13 Is any spouse, child or parent of the company's directors' trustees, managers, principal YES NO shareholders, or stakeholders in service of the state? If YES, furnish particulars 3.14 Do you or any of the directors, trustees, managers, principal shareholders, or stakeholders of this company have any interest in any other related companies or business whether they are YES NO tendering for this contract? If YES, furnish particulars

FULL NAME	IDENTITY NUMBER	STATE EMPLOYEE NUMBER

4. Full details of directors / trustees / members / shareholders.

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.

Person authorized to sign the tender:

Full name (in BLOCK letters):

Signature:

Date:

## FORM RD.A.2 MBD 8: DECLARATION OF TENDER'S PAST SUPPLY CHAIN MANAGEMENT PRACTISES

- 1. This municipal tender document must form part of all tenders invited.
- 2. It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3. The tender of any tenderer may be rejected if that tenderer, or any of its directors have:
  - a. abused the municipality's/municipal entity's supply management system or committed any improper conduct in relation to such system.
  - b. been convicted for fraud or corruption during the past five years;
  - c. wilfully neglected, reneged on or failed to comply with any government, Municipal or other public sector contract during the past five years; or
  - d. been listed in the Register for Tender Defaulters in terms of Section 29 of the Prevention and Combating of Corrupt Activities Act, 2004 (Act 12 of 2004).
- 4. In order to give effect to the above, the following questionnaire must be completed and submitted with the tender:

Item	Question	Resp	onse
4.1	Is the tenderer, any of its directors listed on the National Treasurer's database as a company or persons prohibited from doing business with the public sector?  (Companies for persons who are listed on this database were informed in writing of this restriction by the National Treasury after the audi alteram partem rule was applied)	YES	NO
	If so, furnish particulars:		
4.2	Is the tenderer or any of its directors listed on the Register for Tender Defaulters in terms of Section 29 of the Prevention and Combating of Corrupt Activities Act, 2004 (Act 12 of 2004)? (To access this register, enter the National Treasury's website, <a href="www.treasury.gov.za">www.treasury.gov.za</a> , click on the icon "Register for Tender Defaulters" or submit your written request for a hard copy of the Register to facsimile number 012-326-5445).	YES	NO
	If so, furnish particulars:		
4.3	Was the tenderer or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?	YES	NO
	If so, furnish particulars:		

Item	Question	Resp	onse
4.4	Does the tenderer or any of its directors owe any municipal rates and taxes or municipal charges to the municipality/municipal entity, or to any other municipality/municipal entity, that is in arrears for more than three months?	YES	NO
	If so, furnish particulars:		
4.5	Was any contract between the tenderer and the municipality/municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?		NO
	If so, furnish particulars:		
	ndersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, on the schedule are within my personal knowledge and are to the best of my belief but.		
Persor	authorized to sign the tender:		
	Full name (in BLOCK letters):		
	Signature:		
	Date:		
	Date.		

FORM RD.B.1 MBD 6.1

**MBD 6.1** 

# PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

# GENERAL CONDITIONS

- 1.1 The following preference point systems are applicable to invitations to tender:
  - the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
  - the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).
- 1.2 To be completed by the organ of state (delete whichever is not applicable for this tender).
  - a) The applicable preference point system for this tender is the 80/20 preference point system.
- Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:
  - (a) Price; and
  - (b) Specific Goals.
- 1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
TOTAL POINTS FOR PRICE AND SPECIFIC GOALS	100

- 1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.
- 1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

## 2. DEFINITIONS

- (a) "tender" means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) "price" means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) "rand value" means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) "tender for income-generating contracts" means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) "the Act" means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

# 3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

# 3.1. POINTS AWARDED FOR PRICE

# 3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

$$80/20$$
 or  $90/10$   $Ps=80\left(1-rac{Pt-P\,min}{P\,min}
ight)$  or  $Ps=90\left(1-rac{Pt-P\,min}{P\,min}
ight)$  Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

# 3.2. FORMULAE FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

## 3.2.1. POINTS AWARDED FOR PRICE

A maximum of 80 or 90 points is allocated for price on the following basis:

$$80/20$$
 or  $90/10$   $Ps = 80\left(1 + \frac{Pt - P max}{P max}\right)$  or  $Ps = 90\left(1 + \frac{Pt - P max}{P max}\right)$ 

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

## 4. POINTS AWARDED FOR SPECIFIC GOALS

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
  - (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
  - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below. (Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.

Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)

Specific goals	80/20 preference point system	Proof of specific goals to be submitted
BB-BEE score of companies  Level 1  Level 2  Level 3  Level 4  Level 5  Level 6  Level 7  Level 8  Non-compliant	<ul> <li>8 Points</li> <li>7 Points</li> <li>6 Points</li> <li>5 Points</li> <li>4 Points</li> <li>3 Points</li> <li>2 Points</li> <li>1 Point</li> <li>0 Points</li> </ul>	Valid Certified copy of BBBEE certificate. Sworn Affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBBEE certificate.
EME and/ or QSE	2 Points	Valid Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBBEE certificate
At least 51% of Women-owned companies	2 Points	Certified copy of Identity Document/s and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership)
At least 51% owned companies by People with disability	2 Points	Medical Certificate with doctor's details (Practice Number, Physical Address, and contact numbers) and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership
At least 51% owned companies by Youth	2 Point	Certified copy of Identity Document/s and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership
Local Economic Participation	4 Points 2 Points 1 Point	Municipal Account statement/Lease agreement.

# **DECLARATION WITH REGARD TO COMPANY/FIRM**

4.3.	Name		of
	company/firm		
4.4.	Company	registration	number:

4.5.	TYPE	OF	COI	/PAN	VYI	FIRM
T.J.		OI.	OUI	/II /\	N I /	1 11 11 11 11

	Partnership/Joint Venture / Consortium
	One-person business/sole propriety
	Close corporation
	Public Company
	Personal Liability Company
	(Pty) Limited
	Non-Profit Company
	State Owned Company
[Tick	applicable box]

- 4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:
  - The information provided is true and correct.
  - ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form.
  - iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct.
  - iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have
    - (a) disqualify the person from the tendering process.
    - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct.
    - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such a cancellation.
    - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
    - (e) forward the matter for criminal prosecution, if deemed necessary.

	SIGNATURE(S) OF TENDERER(S)
SURNAME AND NAME: DATE:	
ADDRESS:	

## FORM RD.B.2 VALID B-BBEE STATUS LEVEL OF CONTRIBUTOR CERTIFICATE

Submit B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or a Registered Auditor approved by the Independent Regulatory Board of Auditors (IRBA) or an Accounting Officer as contemplated in the Close Corporation Act (CCA).

## NOTE:

- 1. Attach original copy of B-BBEE Verification Certificate to this page.
- 2. In the case of a joint venture / consortium parties must each attach original copy of their B-BBEE Verification Certificates.

FOR	M RD.B.3	B-BBEE EXEMPTED MICRO ENTERPRISE – SWORN AFFIDAVIT
I, th	e undersigned	
Ful	l Name & Surna	ame
Ide	ntity Number	-
Her	eby declare un	der oath as follow:
1. 2.		of this statement are to the best of my knowledge a true reflection of the facts. er / director / owner of the following enterprise and am duly authorised to act on its behalf.
En	terprise Name	
Tra	ading Name	
Re	gistration Num	ıber
En	terprise Addre	SS
3.	I hereby decla	are under oath that:
	The enterp	orise is % black owned;
	The enterp	orise is % woman owned;
	The enterp	orise is % owned companies by People with disability;
	• The enter	prise is % owned companies by Youth;
		the audited management accounts and other information available on the financian financia
	Please cor	on the below the B-BBEE level contributor, by ticking the applicable box.
100	)% Black owned	Level One (135% B-BBEE procurement recognition)
	re than 51% Blaned	ack Level Two (125% B-BBEE procurement recognition)
Les	s than 51% Bla	ck owned Level Four (100% B-BBEE procurement recognition)
<ol> <li>The entity is an empowering supplier in terms of the dti Codes of Good Practice</li> <li>I know and understand the contents of 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.</li> </ol>		
6.	The sworn aff	idavit will be valid for a period of 12 (twelve) month from the date signed by the commissioner
Dep	oonent Signatu	re: Date:

(Signature and stamp)

# FORM RD.B.4 PROMOTION OF LOCAL ENTERPRISES

The City of Tshwane has mandated the promotion of local enterprises. To comply with this the tenderer must provide proof of the type of business unit and whether the unit resides within the Tshwane and will be scored as follow:

If 80/20 preference point system applies:

	Promotion of local enterprises
No Response (score 0)	The tenderer did not respond or comply with this evaluation schedule.  A score of 0 will also be awarded for any misrepresentation made in this regard,
Satisfactory (score 1)	The tenderer operates a head office or fully staffed office or his sole office outside the boundaries of Gauteng Province. (I.e. no business unit or office resides within the boundaries of Tshwane Metropolitan Municipality)
Good (score 2)	The tenderer's office resides within the boundaries of Gauteng Province. (I.e. no business unit or office resides within the boundaries of Tshwane Metropolitan Municipality)
Very good (score 4)	The tenderer's office resides within the boundaries of the Tshwane Metropolitan Municipality.

Municipal Rates & Taxes not older than three months from tender advertisement date or Valid Lease Agreement should be attached as evidence.

(If necessary the tenderer will be requested to present the office / business unit to officials of the City)

1	/ she is duly authorized to do so on behalf of the enterprise, confirms that n my personal knowledge and are to the best of my belief both true and
Person authorized to sign the tender:	
Full name (in BLOCK letters):	
_	
Signature:	
Date:	

## FORM RD.B.5 At least 51% Women owned companies and At least 51% owned companies by Youth

The City of Tshwane has mandate for the promotion At least 51% Women owned companies and At least 51% owned companies by youth. To comply with this the tenderer must provide Certified copy of Identity Document/s that proof that company is 51% owend by Women or youth

	promotion At least 51% Women owned companies and At least 51% owned companies by youth
No Response (score 0)	The tenderer did not respond or comply with this evaluation schedule.  A score of 0 will also be awarded for any misrepresentation made in this regard,
Good (score 1	Certified copy of Identity Document/s that proof that company is 51% owned by Women and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership
Good (score 1)	Certified copy of Identity Document/s that proof that company is 51% owned by youth and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership

(If necessary the tenderer will be requested to present the office / business unit to officials of the City)

1	/ she is duly authorized to do so on behalf of the enterprise, confirms that s schedule are within my personal knowledge and are to the best of my d correct.	
Person authorized to sign the tender:		
Full name (in BLOCK letters):		
Signature:		
Date:		

## FORM RD.B.6 At least 51% owned companies by People with disability

The City of Tshwane has mandate for the promotion of At least 51% owned companies by People with disability.

To comply with this the tenderer must provide Medical Certificate with doctor's details

(Practice Number, Physical Address and contact numbers that proof that company is 51% owned by People with disability

	Promotion of At least 51% owned companies by People with disability
No Response (score 0)	The tenderer did not respond or comply with this evaluation schedule.  A score of 0 will also be awarded for any misrepresentation made in this regard,
Good (score 1)	Medical Certificate with doctor's details (Practice Number, Physical Address and contact numbers and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership

(If necessary the tenderer will be requested to present the office / business unit to officials of the City)

_ ·	/ she is duly authorized to do so on behalf of the enterprise, confirms that my personal knowledge and are to the best of my belief both true and
Person authorized to sign the tender:	
Full name (in BLOCK letters):	
Signature:	
Date:	

FORM RD.C.2	MBD 5: DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (ALL APPLICABLE TAXES
	INCLUDED)

ruk	IVI RD.C.2	INCLUDED)	ADLE TAXES	•
1.		derer is required by law to prepare annual financial statements for auditing statements:	their audit	ed annual
	i) fo	r the past three years; or		
	ii) Si	nce the establishment if established during the past three years.		
	Indicate	whether these have been included in the tender:	YES	NO
2.		e tenderer have any undisputed commitments for municipal services towards a provider in respect of which payment is overdue for more than 30 days?	municipalit	y or other
			YES	NO
	If so, sta	te particulars		
3.	Has any	contracts been awarded to the tenderer by an organ of state during the past five	years?	
			YES	NO
	If so, sta	te particulars		
4.	Has ther	e been any material non-compliance or dispute concerning the execution of such	contract?	
	rius trici	e been any material non-compliance of dispute concerning the execution of such	YES	NO
	If so, sta	te particulars		
5.	Is any po	ortion of the goods or services expected to be sourced from outside the Republic	P	
			YES	NO
		ate what portion and whether any portion of payment from the municipalit red outside of the Republic.	y is expec	ted to be
the	_	ned, who warrants that he / she is duly authorized to do so on behalf of the enter of this schedule are within my personal knowledge and are to the best of my	-	
<u>Per</u>	son autho	rized to sign the tender:		
	Ful	name (in BLOCK letters):		
		Signature:		

MAINTENANC	GPM-02-2023/ E, REPAIRS, LIFTS CITY WI 3 YEARS.	AND UPGRA	ADE OF	<b>ELEVATOR</b>	S, ESCAL	ATORS, HO	ISTS,	AND
		Nate:						

## FORM RD.C.2 MBD 9: CERTIFICATION OF INDEPENDENT TENDER DETERMINATION

- 1. This Municipal Bidding Document (MBD) must form part of all tenders<sup>3</sup> invited.
- 2. Section 4 (1) (b) (iii) of the Competition Act Nol. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive tendering (or tender rigging)<sup>4</sup>. Collusive tendering is a *per se* prohibition meaning that it cannot be justified under any grounds.
- 3. Municipal Supply Regulation 38 (1) prescribes that a supply chain management policy must provide measures for the combating of abuse of the supply chain management system, and must enable the accounting officer, among others, to:
  - a. Take all reasonable steps to prevent such abuse;
  - b. Reject the tender of any tenderer if that tenderer or any of its directors has abused the supply chain management system of the municipality or municipal entity or has committed any improper conduct in relation to such system; and
  - c. Cancel a contract awarded to a person if the person committed any corrupt or fraudulent act during the tendering process or the execution of the contract.
- 4. This will serve as a certificate of declaration that would be used by institutions to ensure that, when tenders are considered, reasonable steps are taken to prevent any form of tender-rigging.
- 5. In order to give effect to the above, the attached Certificate of Tender Determination must be completed and submitted with the tender.

<sup>&</sup>lt;sup>3</sup> Includes price quotations, advertised competitive tenders, limited tenders and proposals.

<sup>&</sup>lt;sup>4</sup> Tender rigging (or collusive tendering) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and/or services for purchasers who wish to acquire goods and/or services through a tender process. Tender rigging is, therefore, an agreement between competitors not to compete.

#### CERTIFICATE OF INDEPENDENT TENDER DETERMINATION

I, the undersigned, in submitting the accompanying tender:

GPM 02 -2023/24 **Tender** to appoint contractors for electrical maintenance and repairs of City of Tshwane buildings and facilities for a period of three (3) years as and when required.

PART T2: RETURNABLE DOCUMENTS

in response to the invitation for the tender made by

## **City of Tshwane Metropolitan Municipality**

do hereby make the following statement that I certify to be true and complete in every respect:

certify, on behalf of		that:
	(Name of tenderer)	

- 1. I have read and understand the contents of this certificate.
- 2. I understand that the accompanying tender will be disqualified if this certificate is found not to be true and complete in every aspect.
- 3. I am authorised by the tenderer to sign this certificate, and to submit the accompanying tender, on behalf of the tenderer.
- 4. Each person whose signature appears on the accompanying tender has been authorised by the tenderer to determine the terms of, and to sign, the tender, on behalf of the tenderer.
- 5. For the purposes of this Certificate and the accompanying tender, I understand that the word "competitor"" shall include any individual or organization, other that the tenderer, whether or not affiliated with the tenderer who:
  - a. Has been requested to submit a tender in response to this tender invitation, based on their qualifications, abilities, or experience; and
  - b. Could potentially submit a tender in response to this tender invitation, based on their qualifications, abilities, or experience; and provides the same goods and services as the tenderer and/or is in the same line of business as the tenderer.
- 6. The tenderer has arrived at the accompanying tender independently form, and without consultation, communication, agreement, or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>35</sup> will not be construed as collusive tendering.
- 7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement of arrangement with any competitor regarding:
  - a. Prices.

b. Geographical area where product of services will be rendered (market allocation).

c. Methods, factors of formulas used to calculate prices.

<sup>5</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.

- d. The intention or decision to submit or not to submit, a tender.
- e. The submission of a tender which does not meet the specifications and conditions of the tender; or
- f. Tendering with the intention not to win the tender.
- 8. In addition, there have been no consultations, communications, agreements, or arrangement with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this tender invitation relates.
- 9. The terms of the accompanying tender have not been, and will not be, disclosed by the tenderer, directly or indirectly, to any competitor, prior to the date and time of the official tender opening or to the awarding of the contract.
- 10. I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practises related to tenders and contracts, tenders 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 form conduction 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.

ne undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms than e contents of this schedule are within my personal knowledge and are to the best of my belief both true and priect.
erson authorized to sign the tender:
Full name (in BLOCK letters):
Signature:
Date:

## FORM RD.C.3 PROOF OF REGISTRATION WITH THE CIDB

- 3. Attach original or certified copy of CIDB registration certificate to this page.
- 4. In the case of a joint venture / consortium (excluding consulting engineering partners) parties must each attach original or certified copy of their CIDB registration certificate.

Firm	CRS Number	CIDB Grading	Lead Partner (Indicate with X)
Combined CIDB Grading for Joint Ve	nture / Consortium:		

(Calculator is available at <a href="https://registers.cidb.org.za/common/jvcalc.asp">https://registers.cidb.org.za/common/jvcalc.asp</a>)

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterprise, confirms that the contents of this schedule are within my personal knowledge and are to the best of my belief both true and correct.
Person authorized to sign the tender:
Full name (in BLOCK letters):
Signature:
Date:

\_\_\_\_\_

# FORM RD.C.4 COMPLIANCE WITH OHSA (ACT 85 OF 1993)

Tenderers are required to satisfy the employer and the engineer as to their ability and available resources to comply with the above by answering the following questions and providing the relevant information required below.

		(Tick appl	icable box)
1.	Are your company familiar with the OHSA (ACT 85 of 1993) and its Regulations?	YES	NO
2.	Who will prepare your company's Health and Safety Plan? Provide a copy of the person/s curriculum vitae/s or company profile.		
3.	Do your company have a health and safety policy?  If <b>YES</b> provide a copy.	YES	NO
4.	How is this policy communicated to your employees? Provide supporting documentation.	YES	NO
5.	Do your company keep record of safety aspects of each site where work is performed? If <b>YES</b> what records are kept?	YES	NO
6.	Do your company conduct monthly safety meetings?  If <b>YES</b> , who is the chairperson of the meeting, and attend these meetings?	YES	NO
7.	Do your company have a safety officer in its employment, responsible for overall safety of your company?  If <b>YES</b> , explain his duties and provide a copy of his CV.	YES	NO
8.	Do your company have trained first aid employees?  If <b>YES</b> , indicate who.	YES	NO
	Do your company have a safety induction training programme in place?  If YES, provide a copy.	YES	NO
10.	Do your company conduct medical surveillance for its employees?	YES	NO
the	e undersigned, who warrants that he / she is duly authorised to do so on behalf of the enterposition contents of this schedule are within my personal knowledge and are to the best of my belief boson authorized to sign the tender:  Full name (in BLOCK letters):		
	Signature:		
1	Date:		

## FORM RD.C.5 RECORD OF SERVICES PROVIDED TO ORGANS OF STATE

Tenderers are required to complete this record in terms of the Supply Chain Management Regulations issued in terms of the Municipal Finance Management Act of 2003.

Include only those contracts where the tenderer identified in the signature block below was directly contracted by the employer. Tenderers must not include services provided in terms of a sub-contract agreement.

Where contracts were awarded in the name of a joint venture and the tenderer formed part of that joint venture, indicate in the column entitled "Title of the contract for the service" that was in joint venture and provide the name of the joint venture that contracted with the employer. In the column for the value of the contract for the service, record the value of the portion of the contract performed (or to be performed) by the tender.

Complete the record or attach the required information in the prescribed tabulation.

	ALL SERVICES COMMENCED OR COMPLETED TO AN ORGAN OF STATE IN THE LAST FIVE YEARS					
	Organ of state, i.e., national, or provincial department, public entity, municipality or municipal entity.	Title of contract for the service	Value of contract for service incl. VAT (Rand)	Date completed (State current if not yet completed)		
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						

(Attach additional pages if more space is required.)

	/ she is duly authorised to do so on behalf of the enterprise, confirms that n my personal knowledge and are to the best of my belief both true and
Person authorized to sign the tender:	
Full name (in BLOCK letters):	
_	
Signature:	
Date:	

## FORM RD.C.6 SCHEDULE OF PLANT AND EQUIPMENT

The following are lists of the major items of relevant equipment that I/we presently own/lease and will have available for this contract or will hire/acquire for this contract as proof of the requirements for Clause F.3.13 b) of the Conditions of Tender

Quantity	Description, size, capacity etc.
	,,,,,,

(Attach additional pages if more space is required)

Major equipment that will be hired or acquired for the execution of the works			
Quantity	Description, size, capacity etc.		

\_\_\_\_\_

## FORM RD.C.7 STATUS OF CONCERN SUBMITTING TENDER

## 1. General

State whether the tenderer is a company, a closed corporation, a partnership, a sole practitioner, a joint venture/consortium, or a co-operative.

Public Company	
Private Company	
Closed Corporation	
Partnership	
Sole Proprietary	
Joint Venture / Consortium	
Co-operative	
(Mark the appropriate option)	

## 2. Information to be provided.

If the	Tendering Entity is a:	Documentation to be submitted with the tender
1	Closed Corporation, incorporated under the Close Corporation Act,1984, Act 69 of 1984	CIPRO CK1 or CK2 (Certified copies of the founding statement) and list of members
2	Private Company incorporated with share capital, under the companies Act, 1973, Act 61of 1973. (Including Companies incorporated under Art 53 (b))	Certified copies of:  a) CIPRO CM 1 - Certificate of Incorporation  b) CIPRO CM 29 – Contents of Register of Directors,    Auditors and Officers  c) Shareholders Certificates of all Members of the    Company, plus a signed statement of the Company's    Auditor, certifying each Member's    ownership/shareholding percentage relative to the    total.
3	Private Company incorporated with share capital, under the companies Act, 1973, Act 61of 1973 in which any, or all, shares are held by another Closed Corporation or company with, or without, share capital.	Certified copies of documents referred to in 1 and/or 2 above in respect of all such Closed Corporations and/or Companies
4	Public Company incorporated with share capital, under the companies Act, 1973, Act 61of 1973 (Including Companies incorporated under Art 21)	A signed statement of the Company's Secretary confirming that the Company is a public Company.
5	Sole Proprietary or a Partnership	Certified copy of the Identity Document of:  a) such Sole Proprietary, or  b) Each of the Partners in the Partnership

6		Certified copy of the Partnership agreement.		
6				
	<u>Co-operative</u>	CIPRO CR2 - Certified copies of Company registration document.		
7	Joint Venture / Consortium	All the documents (as described above) as applicable to each partner in the joint venture / consortium as well as a certified copy of the joint venture / consortium agreement.		
	<ol> <li>If the shares are <u>held in trust</u> p pages listing the trustees and l as issued by the Master of the and authorised</li> </ol>	provide a copy of the Deed of Trust (only the front page and beneficiaries are required) as well as the Letter of Authority Supreme Court wherein trustees have been duly appointed Certificate of Change of Name (CM9) if applicable.		
Registered for VAT proposes in terms of the Value-Added Tax Act (89 of 1991)				

3.

REGISTRATION NO: \_\_\_\_\_

## FORM RD.C.8 CLASSIFICATION OF BUSINESS

- 1. The Small Businesses are defined in the National Small Business Act, 1996 (Act 102 of 1996).
- 2. Information furnished with regard to the classification of small businesses.
  - (a.) Indicate whether the company/entity is defined as a <u>small, medium, or micro enterprise</u> by the National Small Business Act.

Sector/sub-sector in accordance with the Standard Industrial classification:

	YES	NO		
(Tick appropriate box)				

i.

(b.) If the response to 2. (a.) is **YES**, the following must be completed:

ii.	Size or class:
iii.	Total full-time equivalent of paid employees:

v. Total gross asset value (fixed property excluded):

(A schedule indicating the different sectors is attached to this form.)

Total annual turnover:

- (c.) The tenderer should substantiate the information provided by submitting the following documentation:
  - i. A letter from the tenderer's auditor or an affidavit from the South African Police Services confirming the correctness of the abovementioned information,
  - ii. Company profile indicating the tenderer's staff compliment, and
  - iii. 3-year financial statement or since their establishment if established during the past 3 years.

## **SCHEDULE OF SECTORS**

SIZE OF CLASS	THE TOTAL FULL-TIME EQUIVALENT OF PAID EMPLOYEES	TOTAL TURNOVER	TOTAL GROSS ASSET VALUE (FIXED PROPERTY EXCLUDED)
	AGRI	CULTURE	
Medium	100	R 5 mil	R 5 m
Small	50	R 3 mil	R 3 m
Very Small	10	R 500 000	R 500 00
Micro	5	R 200 000	R 100 00
	MINING AN	ND QUARRYING	
Medium	200	R 39 mil	R 23 m
Small	50	R 10 mil	R6n
Very Small	20	R 4 mil	R 2 n
Micro	5	R 200 000	R 100 0
	MANUI	FACTURING	
Medium	200	R 51 mil	R 19 r
Small	50	R 13 mil	R 5 n
Very Small	20	R 5 mil	R 2 r
Micro	5	R 200 000	R 100 0
	ELECTRICITY	, GAS & WATER	
Medium	200	R 51 mil	R 19 r
Small	50	R 13 mil	R 5 r
Very Small	20	R 5.1 mil	R 1.9 r
Micro	5	R 200 000	R 100 0
	CONS	TRUCTION	
Medium	200	R 26 mil	R 5 r
Small	50	R 6 mil	R 1 i
Very Small	20	R 3	R 500 0
Micro	5	R 200 000	R 100 0
	RETAIL AND MOTOR 1	TRADE & REPAIR SERVICES	
Medium	200	R 39 mil	R 6 r
Small	50	R 19 mil	R 3 r
Very Small	20	R 4 mil	R 600 0
Micro	5	R 200 000	R 100 0
	WHOLESALE TRADE, COMMERC	CIAL AGENTS AND ALLIED SERVICES	
Medium	200	R 64 mil	R 10 i
Small	50	R 32 mil	R 5 :
Very Small	20	R 6 mil	R 600 0
Micro	5	R 200 000	R 100 0
	CATERING, ACCOMMO	DATION AND OTHER TRADE	
Medium	200	R 13 mil	R 3 i
Small	50	R 6 mil	R 1
Very Small	20	R 5.1 mil	R 1.9
Micro	5	R 200 000	R 100 0
	<u> </u>	GE & COMMUNICATIONS	
Medium	200	R 26 mil	R 6 1
Small	50	R 13 mil	R 3 :
Very Small Micro	20 5	R 3 mil R 200 000	R 600 0 R 100 0
WICIO	- I	JSINESS SERVICES	K 100 0
Medium	200	R 26 mil	R 5
Small	50	R 13 mil	R3
Very Small	20	R 3 mil	R 500 0
Micro	5	R 200 000	R 100 C
	I L	AND PERSONAL SERVICES	200 0
Medium	200	R 13 mil	R 6
Small	50	R 6 mil	R 3
	20	R 1mil	R 600 (
Very Small			

(Legally correct full name and registration number, if applicable, of the enterprise)  Held at:					
Held at:  On:  (date  RESOLVED that:  1. The enterprise submits a tender to the Tshwane Metro Municipality in respect of the following project:  Tender Number:  Tender Description:  GPM 02 2023/24  TENDER TO APPOINT SERVICE PROVIDERS FOR THE MAINTENANCE REPAIRS, AND UPGRADE OF ELEVATOR, ESCALATOR, HOIST, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS  PART T2: RETURNABLE DOCUMENTS  2. *Mr/Ms:  in *his/her capacity as and who will sign as follow:  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.	RESOLUTION of a meeting of	the *Board	of Directors/Memb	ers/Partners o	of
RESOLVED that:  1. The enterprise submits a tender to the Tshwane Metro Municipality in respect of the following project:  Tender Number: Tender Description:  GPM 02 2023/24  TENDER TO APPOINT SERVICE PROVIDERS FOR THE MAINTENANCE REPAIRS, AND UPGRADE OF ELEVATOR, ESCALATOR, HOIST, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS  PART T2: RETURNABLE DOCUMENTS  2. *Mr/Ms: in *his/her capacity as and who will sign as follow:  Proof signature  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.	(Legally correct full name and registr	ation number	, if applicable, of the ento	erprise)	
RESOLVED that:  1. The enterprise submits a tender to the Tshwane Metro Municipality in respect of the following project:  Tender Number:  GPM 02 2023/24  Tender Description:  Tender To APPOINT SERVICE PROVIDERS FOR THE MAINTENANCE REPAIRS, AND UPGRADE OF ELEVATOR, ESCALATOR, HOIST, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS  PART T2: RETURNABLE DOCUMENTS  2. *Mr/Ms:  in *his/her capacity as and who will sign as follow:  Proof signature  Proof signature  De, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender for the enterprise mentioned above.	Held at:				(place)
1. The enterprise submits a tender to the Tshwane Metro Municipality in respect of the following project:  Tender Number:  GPM 02 2023/24  Tender Description:  TENDER TO APPOINT SERVICE PROVIDERS FOR THE MAINTENANCE REPAIRS, AND UPGRADE OF ELEVATOR, ESCALATOR, HOIST, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS  PART T2: RETURNABLE DOCUMENTS  2. *Mr/Ms: in *his/her capacity as and who will sign as follow:  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender for the enterprise mentioned above.	On:				(date)
Tender Number:  Tender Description:  Tender Description:  Tender Description:  Tender Description:  Tender To Appoint Service Providers for the Maintenance Repairs, and Upgrade of Elevator, Escalator, Hoist, and Paraplegic Lifts City Wide on a Maintenance Contract as and when Required for a Period of 3 Years  Part T2: Returnable documents  2. *Mr/Ms:  in *his/her capacity as and who will sign as follow:  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender for the enterprise mentioned above.	RESOLVED that:				
Tender Description:  TENDER TO APPOINT SERVICE PROVIDERS FOR THE MAINTENANCE REPAIRS, AND UPGRADE OF ELEVATOR, ESCALATOR, HOIST, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS  PART T2: RETURNABLE DOCUMENTS  2. *Mr/Ms: in *his/her capacity as and who will sign as follow:  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.	1. The enterprise submits a to	ender to th	e Tshwane Metro M	lunicipality in	respect of the following project:
REPAIRS, AND UPGRADE OF ELEVATOR, ESCALATOR, HOIST, AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS  PART T2: RETURNABLE DOCUMENTS  2. *Mr/Ms: in *his/her capacity as and who will sign as follow:  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.	Tender Number:	GPM 02	2023/24		
2. *Mr/Ms: in *his/her capacity as and who will sign as follow:  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence in connection with and relating to the tender for the enterprise mentioned above.	Tender Description:	REPAIRS, AND UPGRADE OF ELEVATOR, ESCALATOR, HOIST, PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND W REQUIRED FOR A PERIOD OF 3 YEARS			
in *his/her capacity as and who will sign as follow:  Proof signature  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.					
in *his/her capacity as and who will sign as follow:  Proof signature  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.					
and who will sign as follow:  Proof signature  be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.	•				
be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.					
be, and is hereby authorised to sign the tender, and any and all other documents and/or correspondence is connection with and relating to the tender for the enterprise mentioned above.					
connection with and relating to the tender for the enterprise mentioned above.	Proof signature			Proof signature	
NAME CAPACITY SIGNATURE					
	NAME		CAPACI	ТҮ	SIGNATURE
Note: Enterprise stamp	Note:				Enterprise stamp

2. IMPORTANT: This resolution must be signed by all the directors/members/ partners of the tendering enterprise.
3. Should the number of directors/members/partners exceed the space available above, additional names and signatures must be supplied on a separate page.

FORM RD.C.10	CERTIFICATE OF AUTHORITY OF SIGNATORY	FOR JOINT VENTURES AND CONSORTIA
*Joint venture/c	onsortium name:	
We the undersid	gned, are submitting this tender in a *joint vent	euro/concortium and haraby authorica *Mr/Mc
we, the undersig	gned, are submitting this tender in a * joint vent	,
		authorised signatory of the enterprise
		acting in the capacity of lead partner
•	er, and any and all other documents and/or cor oint venture/consortium mentioned above.	respondence in connection with and relating to the

number	contract value	Address	Duly authorised signatory	Mark with (x) for lead partner

#### Note:

- 1 \*Delete which is not applicable
- IMPORTANT: This resolution <u>must</u> be signed by all the parties of the joint venture/consortium and every duly authorised signatory for each party to the joint venture/consortium <u>must</u> complete a Form RD.C.15.
- 3. Should the number of directors/members/partners exceed the space available above, additional names and signatures must be supplied on a separate page.

#### FORM RD.D.1 EVALUATION SCHEDULE: TENDER'S EXPERIENCE

The experience of the tenderer or joint venture partners in the case of an unincorporated joint venture or consortium as opposed to the key staff members / experts in similar projects or similar areas and conditions in relation to the scope of work are as follows. (Refer to Annexure A)

**TENDERERS** HIGHEST **SCALE WEIGHT POSSIBLE CRITERIA SUB-CRITERIA** SCORE SCORE 3.1 Number of 15 6 years or more 5 3 years maintaining and upgrading 4 years up to 5 lifts. 5 2 10 years or more 1 year up to 3 years 1 5 5 or more The bidder must provide a clearly detailed company profile stipulating the 15 required number of years rendering similar service. maximum points 10 individual units 3.2 Completion 4 20 5 certificates on or more either service, 15 repairs, or 5 to 9 5 3 upgrade within 5 years from closing date 1 to 4 5 2 10 Completion certificates for previous completed maintenance and upgrade of lift equipment should be signed off by client and service 20 provider. maximum points 3.3 Proof of Lifting equipment 5 6 30 Company's Technician NQF employee level 6 with appointed as minimum 2 years' competent person experience in Lifts (Artisan) SAQA repairs/maintenance certified: (National /upgrade certificate, Lifting equipment 24 **Diploma** Technician NQF Mechanical level 5 with **Engineering**) minimum 2 years' experience in Lifts repairs/maintenance /upgrade

Lifting equipment Technician NQF level 4 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade  Proof of qualifications and cv must be proviced commissioner of oaths.		3 ided and cer	tified by a	30 maximum points	
				•	
3.4 Proof of company's employee appointed as competent person (Artisan) SAQA	Electrician NQF level 5 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade	5	3	15	
certified. (Red Seal)	Electrician NQF level 4 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade	4	3	12	
				15 maximum points	
3.5 Proof of Company's employee appointed as competent person (Engineer) SAQA certified: BSC Mechanical Engineering (Curriculum Vitae required)	NQF level 7 2 Years postgraduate practical experience in the operation and maintenance of lifts, lifting and paraplegic equipment industry.	5	2	10	
				10 Maximum Points	

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3.6 Proof of number	6 or more	5	2	10	
of employees with: Minimum NQF level 4 qualification in Mechanical Engineering	1 up to 5	5	1	5	
				10 Maximum points	
Total points				100	

Service Providers must submit the necessary documents to be evaluated for functionality as per the Bid Evaluation Criteria.

The bidder must provide a clearly detailed profile stipulating the number of years rendering similar services.

Completion certificates should be on company letterhead and signed for similar work done by the service provider – appointment letters/purchase orders and/or job cards may also be included as proof. Proof of qualifications must be provided certified by a commissioner of oaths.

The contract is a rates only direct appointed contract.

## FORM RD.D.2 SCHEDULE OF TENDERER'S EXPERIENCE

The following is a statement of similar work successfully executed by me/ourselves. Completion certificates for previous completed maintenance and upgrade of lift equipment should be signed off by client and service provider.

Employer, contact person and telephone number	Description of contract	Number of units services	Date completed
			_
			_

(Attach additional pages if more space is required)

The experience of assigned staff member in relation to the scope of work will be evaluated from two different points of view:

- 1) General experience (total duration of professional activity), level of education and training and positions held of each discipline specific team leader; and
- 2) The education, training, skills and experience of the Assigned Staff in the specific sector, field, subject, etc. which is directly linked to the list of services areas provided (Form RD.D.3 Service Areas Provided).

Tenderers must complete <u>Form RD.D.4</u>: <u>Key Personnel</u> to comply with this schedule. A CV (see <u>Form RD.D.5</u>: <u>Curriculum Vitae Of Key Personnel</u>) of the project director, project manager, design/lead engineer and engineer's representative of not more than 3 pages should be attached to this schedule:

,	she is duly authorized to do so on behalf of the enterprise, confirms that my personal knowledge and are to the best of my belief both true and
Person authorized to sign the tender:	
Full name (in BLOCK letters):	
_	
Signature:	
Date:	

#### FORM RD.D.4 KEY PERSONNEL

The tenderer shall list in the table below the key personnel to be engaged for this project.

Refer to clause C.2.1 of Part T1: Eligibility (mandatory requirements)

Note: Form RD.D.5 must be complete for <u>each</u> person listed below.

	NAME	PROFESSIONAL REGISTRATION CATEGORY	Number of years post registration experience
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

(Attach additional pages if more space is required)

#### FORM RD.D.5 CURRICULUM VITAE OF KEY PERSONNEL

**Note:** This form should be completed for each key person listed in Form RD.D.4.

Name:	Date of birth:	
Profession:	Nationality:	
Qualifications:	Nationality.	
Professional membership:		
Number of years post registration experience:		
Name of employer (firm):		
Current position:	Years with firm:	
Employment record: (list in chronological order starting with earliest v	work experience)	
Experience record pertinent to required service:		
Certification:  I, the undersigned, certify that to the best of my knowledge and belief, this data correctly describes me, my qualifications and my experience.  (Signature of person named in schedule)  Date:		

MAINTENANC	GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR THE E, REPAIRS, AND UPGRADE OF ELEVATORS, ESCALATORS, HOISTS, AND LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR 3 YEARS.
FORM RD.E.1	RECORD OF ADDENDA TO TENDER DOCUMENTS

We confirm that the following communications received from the Employer before submission of this tender, amending or amplifying the tender documents, have been taken in account in this tender offer:

	DATE	REFERENCE	TITLE
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

	/ she is duly authorised to do so on behalf of the enterprise, confirms that n my personal knowledge and are to the best of my belief both true and
Person authorized to sign the tender:	
Full name (in BLOCK letters):	
Signature:	
Date:	

# **PORTION 2: CONTRACT**

## PART C1: AGREEMENTS AND CONTRACT DATA

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C1.1 FORM OF OFFER AND ACCEPTANCE	STAMP
	STAMP
OFFER	
The Employer, identified in the Acceptance signature block, has the following works:	solicited offers to enter into a contract in respect of
CONTRACT: GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVUPGRADE OF ELEVATORS, ESCALATORS, HOISTS, AND PARAPLE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.	GIC LIFTS CITY WIDE ON A MAINTENANCE
The tenderer, identified in the offer signature block, has exar addenda thereto as listed in the returnable schedules, and by tender.	
By the representative of the tenderer, deemed to be duly au acceptance, the tenderer offers to perform all the obligations including compliance with all its terms and conditions according determined in accordance with the conditions of contract identicates the conditions according to the conditions of contract identicates the conditions according to	and liabilities of the contractor under the contract to their true intent and meaning for an amount to be
THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADD	ED TAX IS
	Rand (in words) ;
R	ptance part of this form of offer and acceptance and end of the period of validity stated in the tender data,
Signature(s)	
Name(s)	
Capacity for the tenderer	
(Name and address of organization)	
Name and signature of witness	Date

#### **Acceptance**

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.

The terms of the contract, are contained in:

Part T1 Tendering procedures.

Part T2 Returnable documents

Part C1 Agreements and contract data, (which includes this agreement)

Part C2 Pricing data (Bill of Quantity)

Part C3 Scope of work

Part C4 Bid Information Schedule

Drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.

The tenderer shall within two weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.

Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor) within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

Signature(s)	
Name(s)	
Capacity for the Employer	
(Name and address of organization)	
Name and signature of witness	Date

1 As an alternative, the following wording may be used:

Notwithstanding anything contained herein, this agreement comes into effect two working days after the submission by the employer of one fully completed original copy of this document including the schedule of deviations (if any), to a courier-to-counter delivery / counter-to-counter delivery / door-to-counter delivery / door-to-door delivery / courier service (delete that which is not applicable), provided that the employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now contractor) within seven working days of the date of such submission notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.

#### **SCHEDULE OF DEVIATIONS**

#### Notes:

1. The extent of deviations from the tender documents issued by the employer before the tender closing date is limited to those permitted in terms of the conditions of tender.

- 2. A tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of agreements reached during the process of offer and acceptance, the outcome of such agreement shall be recorded here.
- 3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
- 4. Any change or addition to the tender documents arising from the above agreements and recorded here, shall also be incorporated into the final draft of the Contract.

1 Subject	-
Details	
2 Subject	-
Details	
3 Subject	_
Details	
4 Subject	_
Details	

By the duly authorized representatives signing this agreement, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the returnable schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

### **C1.2 CONTRACT DATA**

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#### C.1.2.1 GENERAL CONDITIONS OF CONTRACT

The general conditions of contract applicable to this contract shall be the General Conditions of Contract for "General Conditions of Contract for Construction Works 3rd Edition, 2015" read together with the Variations and Additions to the Conditions of Contract as well as the Data provided by employer.

Tenderers, contractors, and subcontractors shall obtain their own copies of the document General Conditions of Contract for "General Conditions of Contract for Construction Works 3rd Edition, 2015" for tendering purposes and for use for the duration of the contract from the Secretary of the South African Institution of Electrical Engineers, 18A Gill St, Observatory, Johannesburg, 2198 and shall bear all expenses in this regard.

## C1.2.2 DATA PROVIDED BY THE EMPLOYER

## C1.2.2.1 The Data which will apply to all work under the Framework Contract is

CLAUSE/OPTION		DATA		
10.1	•	The Employer is City of Tshwane Metropolitan Municipality.		
	•	The <i>Employer</i> has authorised the Executive Director to act on his behalf in respect of this Contract, save for such duties or functions:		
		<ul> <li>which other holders of office ex officio execute on behalf of the <i>Employer</i>; or</li> <li>for which the Executive Director has no authority and the <i>Employer's</i> approval is required before execution thereof.</li> </ul>		
	•	The Group Head is:		
		Ms Verusha Morgan (Group Head) Facilities Management: Group Property		
20.1	•	The scope is in Part C3: Scope of Work		
	•	The selection procedure is in C3.3.1.1 Selection Procedure		
30.1	•	The end date will be 3 years after date of acceptance.		

## C1.2.2.2 The Data which will apply to all Package Orders is

The Conditions of Contract for all Package Orders will be the **General Conditions of Contract for Construction Works**, **3**<sup>rd</sup> **Edition (2015)**.

The following variations and additions to the General Conditions of Contract for Construction Works, 3<sup>rd</sup> Edition (2015), shall apply to all Package Orders:

CLAUSE / SUB-CLAUSE	DESCRIPTION	VARIATION / ADDITION		
1.2.1	Delivery of notices	Add the following to the clause:		
		1.2.1.3 Sent by facsimile, electronic or any like communication irrespective of it being during office hours or otherwise.		
1.2.3	Authority of representatives	Add the following to the clause:		
		1.2.3.1 The Employer has authorised the <b>Group Head:</b> Group Property Facilities Management: Group Property to act on his behalf in respect of this Contract, save for such duties or functions:		
		1.2.3.1.1 which other holders of office ex officio execute on behalf of the Employer; or		
		1.2.3.1.2 for which the <b>Group Head: Facilities Management: Group Property</b> has no authority and the Employer's approval is required before execution thereof.		
3.2.7	Employer's Agent's Representative	Add the following new sub-clause:		
		3.2.7 The Employer may, in his sole discretion, provide technical support services to the Contractor. The technical team providing such support services will be appointed and remunerated by the Employer. In the case of EPWP Contractor Learnership Programmes, support services may be provided by the Department of Public Works. The technical team will consist of the Employer's Agent and a person or persons acting as Training, Construction and Materials Managers or Construction Mentor, depending on the services to be provided and the scope of the functions to be executed.		
		3.2.7.1 In addition to his duties and functions in terms of 2.1, the Employer's Agent will coordinate the work of the technical team providing the support services.		
		3.2.7.2 The Construction Manager acts as mentor to the Contractor in respect of the following functions, which are described fully in the CESA document, Guideline Contract Specific Data C4- Construction Management Services of the Form of Agreement for Consulting Services for Labour Intensive Construction Projects:		
		<ul> <li>i. Programming the execution of the works</li> <li>ii. Interpretation of drawings, specifications and related contractual matters.</li> <li>iii. Workforce structuring, employment, and management.</li> </ul>		

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CLAUSE / **DESCRIPTION VARIATION / ADDITION** SUB-CLAUSE Guidance to expedite work progress/improve productivity. ίv. Setting out of works. ν. Safety measures and legislation requirements. νi. vii. Materials handling. Tools and equipment need. viii. ix. Financial matters. Training requirements. х. хi. Security aspects. xii. Quality control systems 3.2.8 The Materials Manager is responsible for the following functions which are described fully in the CESA document, Guideline Contract Specific Data C5 -Materials Procurement Services of the Form of Agreement for Consulting Services for Labour-Intensive Construction Projects on the Contract: i. Establishment of stores. ii. Determination of store administration procedures. Determination of requirements of store staff. iii. ίv. Employment of store staff. ν. Staff guidance, supervision, and training. Acquisition of materials. vi. Issue of materials. vii. Upholding of assets register. viii. ix. Insurance of assets. 3.2.9 The main role of the Mentor is to support the Learner Contractor and to impart knowledge that will enable the Contractor to compete independently as soon as possible. The Mentor provides a wide range of support and advice functions, including but not limited to advice with regard to: i. Finance and dealing with banks. ii. Business management. iii. Contract management. ίv. Procurement of materials and other required services. Technical and engineering. νi. Construction planning and management. Fulfilling of statutory and tax obligations. vii. Labour and human resource guidance. viii. 4.3 **Legal Provisions** Add the following new sub-clause: 1.3.3 Wages and conditions of work: i. For conventional construction works the Basic Conditions of Employment Act of 1997 (Act No 75 of 1997) shall apply and the minimum employment conditions which will apply shall be guided by the latest Sectoral Determination: Civil Engineering Sector published from time to time.

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CLAUSE / **DESCRIPTION VARIATION / ADDITION** SUB-CLAUSE ii Basic Conditions of Employment Act of 1997 (Act No 75 of 1997) as per Government Notice R63 of 25 January 2002, shall apply to works described in the Scope of Work as being labour intensive and which are undertaken by unskilled or semi-skilled workers. Add the following new sub-clause: 4.3.4 Notwithstanding any actions which the Employer may take, the Contractor accepts sole liability for due compliance with the relevant duties, obligations, prohibitions, arrangements and procedures imposed by the Occupational Health and Safety Act, 1993 (Act 85 of 1993), and all its regulations, including the Construction Regulations, 2003, for which he is liable as mandatory. By entering into this Contract it shall be deemed that the parties have agreed in writing to the above provisions in terms of Section 37(2) of the Act. The Contractor shall sign the Occupational Health and Safety Agreement for Contract Work in the City of Tshwane Metropolitan Municipality included in section C1.5. **Add** the following new sub-clause: 4.3.5 The Employer retains an interest in all inquiries conducted under this Contract in terms of Section 31 and/or 32 of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and its Regulations following any incident involving the Contractor and/or Sub-Contractor and/or their employees. The Contractor shall notify the Employer in writing of all investigations, complaints or criminal charges which may arise pursuant to work performed under this Contract in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and Regulations. **Add** the following new sub-clause: 4.3.6 Contractor's Designer The Contractor and his designer shall accept full responsibility and liability to comply with the Occupational Health and Safety Act, 1993 (Act 85 of 1993) and the Construction Regulations, 2003 for the design of the Temporary Works and those part of the Permanent Works which the Contractor is responsible to design in terms of the Contract 5.12 Extension of time for Add the following new sub-clause **Practical Completion** 5.12.5 Critical path provision A delay in so far as extension of time is concerned, will be regarded as a delay only if, on a claim by the Contractor in accordance with the General Conditions of Contract, the Employer's Agent rules that

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CLAUSE / SUB-CLAUSE	DESCRIPTION	VARIATION / ADDITION		
		all progress on an item or items of work on the critical path of the approved programme for the execution of the Works by the Contractor, has been brought to a halt. Delays on normal working days only, based on a working week, of five normal working days, will be taken in account for the extension of time.		
		Add the following new sub-clause		
		5.12.6 Extension of time due to abnormal rainfall		
		Extension of time due to abnormal rainfall shall be determined by means of Method 1, if rainfall records and/or values derived from rainfall records are supplied in the Scope of Work, otherwise Method 2 shall apply.		
		Method 1: Rainfall formula method		
		The rainfall records and/or values derived from rainfall records from a suitable rainfall station near the Site, which are supplied in the Project Specifications, shall be considered suitable for the determination of extension of time due to abnormal rainfall in accordance with this method.		
		Extension of time arising from abnormal rainfall, shall be calculated separately for each calendar month or part thereof for the full period of completion of the Contract, including any extension thereof, in accordance with the rainfall formula given below:		
		$V = \left(N_{w} - N_{n}\right) + \frac{\left(R_{w} - R_{n}\right)}{X}$		
		If $V$ is negative and its absolute value exceeds $N_n$ , then $V$ shall be equal to minus $N_n$ .		
		If $V$ is positive and greater than the number of calendar days in the calendar month under consideration, $V$ shall be taken as equal to the number of calendar days in the relevant calendar month.		
		The symbols shall have the following meaning:		
		V = Extension of time in calendar days in respect of the calendar month under consideration		
		$N_w$ = Actual number of days during the calendar month on which a rainfall of $Y$ mm or more has been recorded. $R_w$ = Actual rainfall in mm for the calendar month under consideration		
		consideration. $N_n = \text{Average number of days as derived from existing rainfall} \\ \text{records, on which a rainfall or } Y \text{ mm or more has been} \\ \text{recorded for the calendar month. Rainfall records and/or} \\$		

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CLAUSE / SUB-CLAUSE	DESCRIPTION	VARIATION / ADDITION	
JOB CLAUSE		the derived values of $N_n$ will be provided in the Specifications. $R_n = \text{Average rainfall in mm for the calendar month, as derived from existing rainfall records. Rainfall records and/or the derived values of R_n will be provided in the Project Specifications.  X = 20 \text{ unless otherwise provided in the Project Specifications} Y = 10 \text{ unless otherwise provided in the Project Specifications}  The total extension of time shall be the algebraic sum of the monthly totals for the period under consideration. However, if the grand total is negative the time for completion shall not be reduced on account of abnormal rainfall. Extension of time for parts of a month shall be$	
		calculated by pro rata values of $N_n$ and $R_n$ being used. The factor $(N_w-N_n)$ shall be considered to represent a fair allowance for variations from the average number of days during which rainfall exceeds $Y$ mm and wet conditions prevented or disrupted work. The factor $\frac{\left(R_w-R_n\right)}{Y}$ shall be considered to represent a fair	
		allowance for variations from the allowance for variations from the average number of days when wet conditions further to that allowed for the factor $(N_w-N_n)$ , prevented or disrupted work during the calendar month.	
		Accurate rain gauging shall be taken at a suitable point on Site and the Contractor shall, at his own expense, take all necessary precautions to ensure that the rain gauges cannot be interfered with.	
		This formula does not take into account further on concurrent delays which could be caused by other abnormal climatic conditions such as floods, which have to be determined separately in accordance with Sub-Clause (42.5 Critical Plath Provision) hereof.	
		Method 2: Expected delay method	
		The Contractor shall make provision in his programme for the execution of the Works, for an expected delay of "n" normal working days (based on a working week of five normal working days) due to normal rainfall, for which he will not receive any extension of time.	
		Unless otherwise provided in the Project Specifications, the value of "n" shall be taken as equal to the tendered time for completion of the Works in months, rounded off to an integer.	
		Extension of time during normal working days will be granted to the degree to which actual delays as determined in accordance with Sub-	

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CLAUSE / **DESCRIPTION VARIATION / ADDITION** SUB-CLAUSE Clause (42.5 Critical Path Provision) hereof, exceed the number of "n" normal working days. The value of "n" does not take into account further or concurrent delays which are caused by other abnormal climatic conditions such as floods, which have to be determined separately in accordance with Sub-Clause (42.5 Critical Path Provision) hereof. 6.1 Payment to Add the following new sub-clause: Contractor 6.1.2 Payment for works identified in the Scope of Work as being labourintensive shall only be made in accordance with the provisions of the Contract if the works are constructed strictly in accordance with the provisions of the Scope of Work. Any non-payment for such works shall not relive the Contractor in any way of his obligations either in contract or in delict. Add the following new sub-clause 6.1.3 The Contractor shall be paid at Pretoria in the currency of the Republic of South Africa only at the Office of the Chief Financial Officer of the CITY OF TSHWANE, unless otherwise stated in the Data provided by Employer. 6.2 Security Add the following new sub-clause: 6.2.4 As an alternative to a performance guarantee, the Contractor may deposit with the Employer a cash amount in a sum equal to the amount stated in the Data provided by Employer. All the provisions in respect of the guarantee apply mutatis mutandis to the cash deposit accept that the amount deposited will be repaid to the Contractor within 30 (thirty) days after the issue of the Certificate or Certificates of Completion in respect of the whole of the permanent works. 8.6 Insurances **Replace** clause 8.6 with the following: 8.6 **Insurances** 8.6.1 Without limiting the Contractor's/Sub-contractor's obligation in terms of the Contract, the Employer will effect and maintain for the duration of the Contract until the issuing of the Defects Certificate or

8.6.2

nominated or otherwise):

the end of the Maintenance Period, the following insurances in the name of the Contractor (including all Subcontractors whether

The Employer's insurer will indemnify the Contractor/Sub-contractor against physical loss of or damage to any part of the Property Insured not exceeding the maximum contract value or the final

CONTRACT: GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR

CLAUSE / **DESCRIPTION VARIATION / ADDITION** SUB-CLAUSE contract value estimated at inception including free issue materials were applicable as stated in the Contract Data: а. Whilst in transit including loading and unloading whilst temporarily stored at any premises en route to or from the Contract Site within the Territorial Limits; b. From the time of unloading, dismantling or preparation at the Contract Site and thereafter until the Property Insured has been officially accepted by the Employer and becomes his responsibility by means of a notice of completion certificate or similar evidence of legal transfer of risk; c. During the contractual defects liability or Maintenance Period which shall not exceed the period reflected in the Schedule but only so far as the Contractors and/or Sub-Contractors may be liable for such loss or damage under the defects liability or maintenance condition/s of the Insured Contract; d. Removal of debris; ρ. Surrounding property f. Work away; g. Offsite storage h. Temporary repairs; i. *Contribution clause – marine;* j. Escalation during Contract Period; k. Post loss escalation; Ι. Automatic reinstatement; Principals maintenance; m. Property taken over; n. Beneficial occupation; о. Escalation due to currency fluctuation; p. Manufacturers guarantees 8.6.3 The Employer's insurer will indemnify the Contractor/Sub-contractor against all sums for which the Contractor/Sub-contractor shall become legally liable towards third party claimants to pay for and in consequence of: Accidental death of or bodily injury to or illness or disease contracted by any person (excluding employees of the Contractor/Subcontractor); Accidental physical loss or damage to tangible property b. occurring during the Period of Insurance and arising out of or in connection with the performance of the Insured Contract at the Contract Site as defined in the Schedule. The minimum limit of indemnity for any one event is R10-million in respect of contracts with a contract value of up to R50million (excluding VAT). 8.7 Insurance premium payable

CONTRACT: GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR

CLAUSE / **DESCRIPTION VARIATION / ADDITION** SUB-CLAUSE The Employer will pay the insurance premium for the works damage and public liability insurance cover. The insurance premium will be calculated based on the approved Capital Budget per financial year and the insurance premium will be charged out to the relevant departments by the Section: Insurance and Risk Management. 8.8 Additional insurance by the Employer The Employer shall be free to effect at his own cost any additional insurance, which he deems necessary in own interest to cover loss or damage not insured in terms of the insurance policies of Sub-Clause 35.1.1 of this Clause. 8.9 Additional insurance by the Contractor / Subcontractor The Contractor and Sub-contractor shall be free to effect and maintain at their own cost any additional insurance which the Contractor/Subcontractor deem necessary to cover damage, loss or injury not insured in terms of the insurance effected by the Employer's insurer. The cost of the additional insurance will be for the account of the Contractor/Subcontractor. 8.10 Contractor satisfied with insurance The submission of a tender shall be construed as acknowledgement by the Contractor that he is satisfied with the insurance cover affected by the Employer. 8.11 Contractor to observe conditions The Contractor shall give all notices and observe all conditions and requirements imposed by the relevant insurance policies, which shall be binding on the Contractor. 8.12 Contractor to insure The Contractor/Sub-contractor must obtain for the duration of the contract until the issuing of the Defects Certificate or the end of the Maintenance Period, the following insurance policies at an insurance company within 14 (fourteen) days of the notification of acceptance of the tender and must pay all premiums and supply proof thereof to the relevant Project Manager, 30 (thirty) days before the inception of the contract, that the policies have been taken out and that all premiums have been paid: All Risk Insurance cover with regard to all Plant and Materials and Equipment, owned, leased or hired by the Contractor that are used in the execution of the contract for the full replacement value thereof.

CONTRACT: GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR THE

CLAUSE / SUB-CLAUSE	DESCRIPTION	VARIATION / ADDITION	
			b. Motor Vehicle and Liability Insurance cover indicating the registration numbers of the vehicles owned, leased or hired by the Contractor that are used in the execution of the contract to the amount of at least R10-million per claim with the number of claims unlimited.
			c. SASRIA cover for motor vehicles and Plant and Materials and Equipment owned, leased or hired by the Contractor that are used in the execution of the contract for the full replacement value thereof.
			d. In respect of Plant and Materials and Equipment and Motor Vehicles brought onto the Site by or on behalf of Subcontractors, the Contractor shall be deemed to have compiled with the provisions of this Sub-Clause by ensuring that such Subcontractors have similarly insured such Plant and Materials and Equipment and Motor Vehicles.
			e. Proof must also be submitted that the Contractor complies with the conditions of the following legislation:
			<ul> <li>Compensation for Occupational Injuries and disease, 1993</li> <li>Unemployment Insurance Act, 1996</li> <li>The Contractor shall in respect of the Site of the contract works appoint in writing a Section 16 appointee to meet the requirements of the Health and Safety Act, No 85 of 1993 as amended.</li> </ul>
		8.13	The Project Manager involved must furnish the required insurance documentation 30 (thirty) days before the inception of the contract to the Section: Insurance and Risk Management.
		8.14	Reporting of incidents
			In the event of an occurrence, which is likely to give rise to a claim under the insurance policy affected by the Employer, the Contractor / Subcontractors and Project Manager will adhere to the following procedures:
			a. In addition to any statutory obligations and/or requirements contained in the General Conditions of Contract, the Contractor shall notify the Employer and the Project Manager of every occurrence within 48 (forty-eight) hours giving the circumstances, nature and an estimate of the loss or damage.
			b. The Project Manager will be responsible to complete and submit the relevant claim documentation for each incident within 30 (thirty) days after the incident occurred to the Section: Insurance and Risk Management. Should the incident be reported by the Project Manager more than 30 (thirty) days after the incident occurred to the Section: Insurance and Risk Management, the claim will only be considered if the claim documentation is accompanied by a

CONTRACT: GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR THE

CLAUSE / **DESCRIPTION VARIATION / ADDITION** SUB-CLAUSE letter from the relevant Strategic Executive Director motivating the reason(s) for the late reporting of the incident, but the Project Manager must take note the Insurer might repudiate the loss if it is found that the insurers rights have been compromised as a result of the late reporting. The following documentation must be included with the c. claim documentation: Photos of damages caused or suffered as proof or substantiation of the claims. d. In the event of Insured Property being damaged during the Contract Works beyond economical repair, the property must be safeguarded and be handed over to the Employer's insurer for salvage. e. The Section: Insurance and Risk Management will inform insurer of the Employer's incident. Contractor/Subcontractor shall afford all reasonable access to the Site to the Employer, the Project Manager, the Employer's insurers and/or representatives for the purpose of assessment of any loss or damage. 8.15 Reporting of catastrophic incidents In the event of an occurrence, which is likely to give rise to a claim, under the insurance policy effected by the Employer, with an estimated loss or damage of more than R250 000,00, the Contractor and the Project Manager will adhere to the following procedures: In addition to any statutory obligations and/or a. requirements contained in the General Conditions of Contract, the Contractor shall notify the Employer and the Project Manager of every occurrence within 24 (twentyfour) hours giving the circumstances, nature and an estimate of the loss or damage. b. The Project Manager must notify the Section: Insurance and Risk Management on the same day that the Contractor/Sub-contractor has notified the Project Manager of the incident. с. The Section: Insurance and Risk Management will notify the Employer's insurer of the incident. The Contractor/Subcontractor shall afford all reasonable access to the Site to the Employer, the Project Manager, the Employer's insurers and/or representatives for the purpose of assessment of any loss or damage. The Project Manager will be responsible to complete and d. submit the relevant claim documentation for each incident within 30 (thirty) days after the incident occurred to the Section: Insurance and Risk Management. Should the

incident be reported by the Project Manager more than 30

CONTRACT: GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR

CLAUSE / **DESCRIPTION VARIATION / ADDITION** SUB-CLAUSE (thirty) days after the incident occurred to the Section: Insurance and Risk Management, the claim will only be considered if the claim documentation is accompanied by a letter from the relevant Strategic Executive Officer motivating the reason(s) for the late reporting of the incident. Should the relevant claim documentation not be submitted within 30 (thirty) days, the claim will be repudiated. 8.16 Reporting of crime related incidents All crime related incidents, losses or shortages irrespective of the value, must be reported within 24 (twenty-four) hours by the person who was involved or who has discovered the incident to the nearest South African Police Services (SAPS) station. The name of the Police Station, Investigation Officer and the Case number must be obtained and stated on the Contractor Claim Form. Should the incident not be reported to the SAPS, the claim will be repudiated. 8.17 Claim documentation The Project Manager must obtain all relevant information from the Contractor/Sub-contractor and complete the Contractor Claim Form, included in this report as Annexure B that is available on the Intranet. The project number must be stated on the Contractor Claim Form. The Project Manager must submit with the Contractor Claim Form a detailed cost sheet indicating the estimate of the loss or damage. Any misrepresentation, misdescription or non-disclosure of material facts, at the option of the insurers, can result in claims submitted being declared null and void. 8.18 Authorization of claim forms It is imperative that a formally delegated official or his nominee of the Employer should authorize the Contractor Claim forms as proof of the appropriate authorization, verification and approval of claims submitted. The Strategic Executive Director must provide an authorization letter to the Section: Insurance and Risk Management stating the names and the specimen signatures of the delegated official or his nominee within 30 (thirty) days from approval of this report by Council. Should the delegated official or his nominee not sign the relevant claim form, the claim will be repudiated as this may lead to inappropriate independent verification of the validity of claims, thereby increasing the risk of insurance fraud and consequent reputation damage to the Employer. 8.19 Contractor to pay deductibles

CLAUSE / SUB-CLAUSE	DESCRIPTION	VARIATION / ADDITION
		Any claim in terms of the insurance affected by the Employer shall be subject to the Contractor being responsible for the payment of the amount stated in the Annexure to the Policies as being the deductible (first amount payable or Excess) as defined in the Certificate of Insurance issued by the Employer's insurer in terms of the Policy.
		8.20 Settlement of claims
		All incidents reported to the Section: Insurance and Risk Management in respect of an occurrence, which is likely to give rise to a claim will be forwarded to the Employer's insurer who will take the necessary actions for the settlement of any such claims.
		The Contractor <u>shall negotiate</u> for the settlement of claims with the Employer or the Employer's insurer through the Section: Insurance and Risk Management. The Employer's Chief Financial Officer will authorize all settlements of claims.
		Should action for the settlement of any such claim to the satisfaction of the Project Manager not be taken by the Contractor/sub-contractor within 30 (thirty) days after receipt of such claim by the Contractor/sub-contractor, the Employer or the Employer's insurer may settle any such claim, after giving the Contractor notice of its intention to do so; provided that no such claim shall be settled by the Employer or the Employer's insurer without first consulting the Contractor/sub-contractor.
		The foregoing provisions of this Sub-Clause shall apply mutatis mutandis to any such claim received by the Contractor directly.

CLAUSE/OPTION		DATA		
1.1.1.13	The Defects Liability period is:	12 (twelve) months	from the date of the Certificate of Completion.	
1.1.1.15	The name of the Employer is:	City of Tshwane Me	tropolitan Municipality.	
1.1.1.26	The Pricing Strategy is:	Re-measurement Co	ontract	
1.2.1.2	The address of the Employer is:	Physical Address:	Number 175 E'skia Mphahlele Drive C de Wet Building Pretoria west 0183	
		E-Mail Address:	jandk@tshwane.gov.za	
2	The documentation required before commencement with Works execution are:	Proof that all c the Workman's in 1993, 2002 had	ontributions required in terms of the provisions of Compensation Act (Act no 30 of 1941) as amended ave been paid (Refer to Cause 4.3.2) of Unemployment Insurance Certificate, Act of 1996	

CONTRACT: GPM-02-2023/24 TENDER TO APPOINT SERVICE PROVIDER/S FOR THE

	CLAUSE/OPTION	DATA		
5.3.2	The time to submit the documentation required from the Commencement Date is:	14 days		
5.8.1	The non-working days are:	Sundays		
	The special non-working days are:	Statutory public holidays		
5.16.3	The latent defect period is:	10 (ten) Years		
6.2.1	Type of security for due performance:	<ul> <li>Guarantee from approved financial institution or cash deposit.</li> <li>The Form of Guarantee is to contain the wording of the pro forma document included as C1.3 or C1.4 contained herein.</li> </ul>		
	Liability of performance guarantee/cash deposit	The liability of the guarantee shall be for 10 (ten) % of the Contract Sum of the Work Package allocated, excluding contingencies and VAT.		
6.2.2	Retention money guarantee	Not permitted		
6.8.2	Adjustment in rates and/or prices	<ul> <li>The value of the certificates issued shall be adjusted in accordance with the Contract Price Adjustment Schedule with the following values:</li> <li>The urban area nearest the Site is <u>Tshwane</u>.</li> <li>The base month is <u>the month prior to the closing of the procurement process required for a financial offer</u>.</li> </ul>		

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#### C1.2.4 DATA PROVIDED BY THE CONTRACTOR

CLAUSE/OPTION				DATA		
1.1.1.9	The name Contractor is:	of the				
1.2.1.2	The address Contract is:	of the	•	Physical Address:		
			•	Postal Address:		
			•	Fax to E-Mail:		
			•	E-Mail Address:		
6.2.1	The security to be provided by the Contractor shall be			pe of Security		Contractor's choice (Indicate "Yes" or "No"
	one of the followi	ing:	Performance guarantee (10% (ten percent) of the Contract Sum of the project allocated, excluding contingencies and VAT)			
			Cash deposit (10% (ten percent) of the Contract Sum of the project allocated, excluding contingencies and VAT)			
6.5.1.2.3	The percentage a to cover prof overhead char dayworks is:	fits and		%. (Maxim	num of <b>15%</b> will be allowed)	

#### C1.3 HEALTH AND SAFETY AGREEMENT

Article of Agreement in terms of Section 37(2) of the Occupational Safety Act, 1993 between

#### **CITY OF TSHWANE**

(Hereinafter referred to as the "EMPLOYER")

	AND	
Herein represented by	in his/her capacity as	duly authorised by
virtue of a resolution dated	, attached hereto Annexure	e A, of the said
	(herein after re	ferred to as the "CONTRACTOR")

WHEREAS the CONTRACTOR is the mandatory of the EMPLOYER as contemplated in an agreement in respect of

TENDER TO APPOINT SERVICE PROVIDER/S FOR THE MAINTENANCE, REPAIRS, INSTALLATION AND UPGRADE OF HEATING, VENTILATION, AIR CONDITIONING AND COOLING SYSTEMS CITY WIDE ON A FRAMEWORK CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.

AND WHEREAS section 37 of the Occupational Health and Safety act, 1993 (Act 85 of 1993), hereinafter referred to as the "ACT"), imposes certain powers and duties upon the EMPLOYER.

AND WHEREAS the parties have agreed to enter into an agreement in terms of section 37(2) of the ACT.

NOW THEREFORE the parties agree as follows:

- (a) The CONTRACTOR undertakes to acquaint the appropriate officials and employees of the CONTRACTOR with all relevant provisions of the ACT and the regulations promulgated in terms thereof.
- (b) The CONTRACTOR undertakes that all relevant duties, obligations and prohibitions imposed in terms of the ACT and Regulations will be fully complied with. Provided that should the EMPLOYER prescribe certain arrangements and procedures, that same shall be observed and adhered to by the CONTRACTOR, his officials and employees. The CONTRACTOR shall bear the onus of acquainting himself/herself/itself with such arrangements and procedures.
- (c) The CONTRACTOR hereby accepts sole liability for such due compliance with the relevant duties, obligations, prohibitions, arrangements and procedure, if any, imposed by the ACT and Regulations and the EMPLOYER expressly absolves the EMPLOYER from itself being obliged to comply with any of the aforesaid duties, obligations, prohibitions, arrangements and procedure as the case may be.

- (d) The CONTRACTOR agrees that any duly authorised officials of the EMPLOYER shall be entitled, although not obliged, to take such steps as may be necessary to ensure that the CONTRACTOR has complied with the undertakings as more fully set out in paragraphs 1 and 2 above, which steps may include, but shall not be limited to, the right to inspect any appropriate site or premises occupied by the CONTRACTOR, or to inspect any appropriate records held by the CONTRACTOR or to take such steps it may deem necessary to remedy the default of the CONTRACTOR at the cost of the CONTRACTOR.
- (e) The CONTRACTOR shall be obliged to report forthwith to the EMPLOYER any investigations, complaint or criminal charge which may arise as a consequence of the provisions of the ACT and Regulations, pursuant to work performed in terms of this agreement, and shall, on written demand, provide full details in writing of such an investigation, complaint or criminal charge as the case may be

#### **FOR AND ON BEHALF OF THE CONTRACTOR:**

NAME: (in BLOCK letters)				
CAPACITY: (of authorized agent)				
SIGNATURE: (of authorized agent)				
SIGNED at		on this	day of	
WITNESSES: (Full name in BLOCK letters and	signature)			
	1			
	2			
FOR AND ON BEHALF OF T	THE EMPLOYER:			
NAME: (in BLOCK letters)				
CAPACITY: (of authorized agent)				
SIGNATURE: (of authorized agent)				
SIGNED at		on this	day of	
WITNESSES: (Full name in BLOCK letters and	signature)			
	1			
	2.			

# PART C2: PRICING DATA

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C2.1	PRICING INSTRUCTIONS					
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	4.	Corrections of entries made by tenderer	Error! Bookmark not defined.			
	5.	Quantities for evaluation only	Error! Bookmark not defined.			
C2.2	PRI	ICING SCHEDULE	Frror! Bookmark not defined.			

#### **C2.1 PRICING INSTRUCTIONS**

#### 1.1 General

- 1.1.1 This section provides the tenderer with guidelines and requirements with regard to the completion of the Price Schedule. The Schedule must be completed in black ink and the tenderer is referred to the Tender Specifications in regard to the correction of errors.
- 1.1.2 The Price Schedule shall be read with all the documents which form part of this tender.
- 1.1.3 The following words shall have the meanings hereby assigned to them:

Unit: The unit of measurement for each item of work in terms of the

Specifications and the Project Specifications.

Quantity: The number of units of work for each item.

Rate: The payment per unit of work at which the tenderer tenders to do the

work.

Amount: The product of the quantity and the rate tendered for an item.

- **1.1.4** Descriptions in the Price Schedule are abbreviated and comply generally with those in the Standard Specifications and are in line with industry practices.
- **1.1.5** The item numbers appearing in the Price Schedule refer to the corresponding item.
- 1.1.6 The pricing is required for single unit quantities set out in the Price Schedule are the estimated quantities of the Works, but the Service Provider will be required to undertake whatever quantities may be directed by the COT from time to time. The Contract Price for the completed contract shall be computed from the actual quantities of work done, valued at the relevant unit rates and prices.
- **1.1.7** The units of measurement described in the Price Schedule are metric units. Abbreviations used in the Price Schedule are as follows:

mm	=	millimetre	h	=	hour
m	=	metre	kg	=	kilogram
Km	=	kilometre	t	=	ton (1000kg)
$m^2$	=	square metre	no.	=	number
1	=	litre	Prov sum	=	Provisional sum
kl	=	kilolitre	%	=	Per cent

**Prices** 

1.1.8 The prices to be inserted in the Price Schedule are to be full inclusive prices for the work described under the items. Such prices shall cover all costs and expenses that may be required in and for the execution of the work described,

and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit. Reasonable prices shall be inserted as these will be used as a basis for assessment of payment for additional work that may have to be carried out.

- 1.1.9 The bidder must complete all sub-items in the pricing schedule to be evaluated for the item.
- **1.1.10** All items quoted are for a single unit or as specified in the price schedule.
- 1.1.11 All item prices in section A, B, C and E78 to E81 must be completed in full. Section E1.1 to E77 (Lift 1 to 77) may be completed in part provided the bidder is accredited on the specific OEM for the lift. All items for the specific lift must be completed in full.
  - (e.g. Item E1.1 to E1.17 OM lift number 1 is OTIS then the tenderer may complete all item prices if OTIS accredited. Same scenario for all OTIS lifts in section E1 to E77. The same for all other OEM lifts. Tenderer may complete item prices for any OEM lifts if accredited)
- 1.1.12 Any work executed to which such a price applies, shall be measured under the appropriate items in the Price Schedule and valued at a price of nil (R0,00). The rate of nil shall be valid irrespective of any change in the quantities during the execution of the Contract/service level agreement.
- **1.1.13** The Tenderer shall fill in a unit price in rand against all items for each of the three (3) years in the respective item row and column. The intention is that the price shall apply should work under this item be required.
- **1.1.14** The tenderer shall not group together several items and tender one price for such group of items.
- **1.1.15** All prices and sums of money quoted in the Price Schedule shall be in rands and whole cents. Fractions of a cent shall be discarded.
- 1.1.16 All prices entered in the Price Schedule must exclude VAT as indicated. VAT

will be added last on the summary row of the Price Schedule as indicated.

**1.1.17** Should excessively high unit prices be tendered, such prices may be of sufficient importance to warrant rejection of a tender by the COT.

Annual price increase: Part 4 (cont.) Please refer to form MBD 3.2

GPM Number	Work Description	Building location
GPM 02 - 2023/24	TENDER TO APPOINT SERVICE PROVIDERS FOR THE MAINTENANCE, REPAIRS, AND UPGRADE OF ELEVATORS, ESCALATORS, HOISTS AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.	City Wide

#### Abbreviation of Standard units

- 1. Per Hour = hr.
- 2. Per kilometer = km
- 3. Per meter = m
- 4. Per square meter = m2
- 5. Each = 1

OEM MANUFACTURER	LIFT ITEM NUMBER
OTIS	1,2,3,4,5,6,7,8,9,28,29,30,31,32,33,34,35,38,50,56,57,71,72
KONE	10,11,36,37,45,58,59,73,74,
SCHINDLER	12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,53,54,55,
VISION	48,49
ELCO	39,40,51,52,60,61,62,63,64,65,66,67,68,69,70,
MITSUBISHI	27
NULINE	41,42,43,44,46,47
SAEC	75,76,77

#### 4. PRICING SCHEDULE (Bill of quantities):

PRICING SCHEDULE FOR THE ELEVATOR, ESCALATOR, HOIST MAINTENANCE CONTRACT

The Contractor shall be prepared to enter into the Client's Maintenance Agreement as specified for a term of not less than three (3) years.

Where an A Type Contract is specified, the contractor shall provide an A type of Maintenance Agreement that will be delivered to the Client's representative for perusal. It is accepted that the Client's representative will alter the terms and conditions of the contractor's proposed maintenance contract at his/her own discretion.

#### **Maintenance costs:**

Contractors are required to submit at tender stage, the proposed current day monthly maintenance costs for the elevators.

Contractors must provide amounts and reflect cost to be completed all sections of the price list schedule.

NAANUUEA CTUDED	ALLIN ADED OF LINUTS	TVDE OF CEDVICE
MANUFACTURER	NUMBER OF UNITS	TYPE OF SERVICE
CAEC	2	CTATUTORY AMAINTENANCE
SAEC	3	STATUTORY MAINTENANCE
		STATUTORY REPAIR
\#G(Q)\		
VISION	2	STATUTORY MAINTENANCE
		STATUTORY REPAIR
SCHINDLER	20	STATUTORY MAINTENANCE
		STATUTORY REPAIR
NULINE	6	STATUTORY MAINTENANCE
		STATUTORY REPAIR
KONE	9	STATUTORY MAINTENANCE
		STATUTORY REPAIR
ELCO	15	STATUTORY MAINTENANCE
		STATUTORY REPAIR
OTIS	21	STATUTORY MAINTENANCE
		STATUTORY REPAIR

Master No	Price Schedule parts
3030734	GPM06-2023/24 LIFT MAINT STAT MONTHLY
3030735	GPM06-2023/24 LIFT COMPLIANCE INSPECTION
3030736	GPM06-2023/24 LIFT INSPECTION QUALITY
3030737	GPM06-2023/24 LIFT REPL CRITICAL COMP

#### 2. PRICING SCHEDULE

PART 1: PRICING INSTRUCTIONS (<u>SECTION A</u>: MONTHLY STATUTORY LIFT MAINTENANCE)

LIFT ITEM NUMBER	Building Name	Lift No.	UNIT OF MEASURE	QUANTITY	PRICE. EXCL.VAT
A1	PRETORIA CITY HALL	PE2729	EA	1	R
A2		PE2577	EA	1	R
А3	ATTERIDVILLE SUPER STADIUM	02/L752	EA	1	R
A4		02/L753	EA	1	R
A5	CENTURION BUILDING	PE4931	EA	1	R
A6	PILDITCH STADIUM	PE5367	EA	1	R
A7	DDETODIA CITYLIALI	PE169	EA	1	R
A8	PRETORIA CITY HALL	PE185	EA	1	R
A9	TEMBA	LIFT	EA	1	R
A10	TSHWANE MARKET	02/L2981	EA	1	R
A11	ТЕМВА	02/L2983	EA	1	R
A12	FRESH PRODUCE MARKET (AGENTS)	PE3510	EA	1	R
A13	C DE WET BUILDING	PE5255	EA	1	R
A14	C DE WET BUILDING	02/L928	EA	1	R
A15	SOSHANGUVE ELECTRICAL DEPOT	02/L1277	EA	1	R
A16	SAMMY MARKS SQUARE	PE5901	EA	1	R
A17		PE5902	EA	1	R
A18	] [	PE5903	EA	1	R
A19		PE5904	EA	1	R
A20		PE5905	EA	1	R

A21		PE5906	EA	1	R
A22	]	Hoist	EA	1	R
A23	HB PHILLIPS BUILDING	02/L925	EA	1	R
A24		02/L1037	EA	1	R
A25	]	02/L1028	EA	1	R
A26	BAROLAC BUILDING	02/L924	EA	1	R
A27	OU RAADSAAL	PE4212	EA	1	R
A28	PRINCESS PARK ELECTRICAL	02/L1370	EA	1	R
A29		02/L1371	EA	1	R
A30	SAMMY MARKS SQUARE	PESC228	EA	1	R
A31	ESCALATORS	PESC229	EA	1	R
A32		02/L1365	EA	1	R
A33	BOSBOK FLATS	02/L1366	EA	1	R
A34		02/L1363	EA	1	R
A35	BLESBOK FLATS	02/L1364	EA	1	R
A36	STALSHOOGTE	02/L1367	EA	1	R
A37		02/L1368	EA	1	R
A38	EERSTERUS CIVIC CENTER	02/L1369	EA	1	R
A39	EERSTERUST CIVIC CENTER	HOIST	EA	1	R
					R
A40	METRO POLICE	02/L925	EA	1	R
A41		02/L2043	EA	1	R
A42	GIANT STADIUM SOSHANGUVE	02/L2044	EA	1	R
A43		02/L2045	EA	1	R

A44		02/L2046	EA	1	R
A45	CAPITAL PARK	02/L2984	EA	1	R
A46		LIFT platform 02/L1507	EA	1	R
A47	PIETER DELPORT BUILDING	LIFT platform 02/L1508	EA	1	R
A48		Wheelchair Stair lift platform - 02/L1724	EA	1	R
A49		Wheelchair Stair lift platform - 02/L1725	EA	1	R
1					
A50	ATTERIDGEVILLE SUPER STADIUM	72N6652	EA	1	R
A51	TLMA	02/14721	EA	1	R
A52	TLMA	02/L4720	EA	1	R
A53	ROOIWAL POWER STATION	ADMIN	EA	1	R
A54	ROOIWAL POWER STATION	NORTH BOILER	EA	1	R
A55	ROOIWAL POWER STATION	SOUTH BOILER	EA	1	R
A56	PRETORIA WEST POWER STATION	ADMIN	EA	1	R
A57	PRETORIA WEST POWER STATION	PLANT	EA	1	R
A58	BELLE OMBRE TRANSPORT BUILDING	42877748	EA	1	R
A59	BELLE OMBRE TRANSPORT BUILDING	42877747	EA	1	R
A60	TSHWANE FRESH PRODUCE MARKET	02/L7771	EA	1	R
A61	TSHWANE FRESH PRODUCE MARKET	02/L7772	EA	1	R
A62	TSHWANE FRESH PRODUCE MARKET	02/L7773	EA	1	R
A63	TSHWANE FRESH PRODUCE MARKET	02/L7774	EA	1	R
A64	TSHWANE FRESH PRODUCE MARKET	02/L7775	EA	1	R
A65	TSHWANE FRESH PRODUCE MARKET	02/L7776	EA	1	R

	SUB TOTAL A:				R
A77	MIDTOWN LIFT C	PE5188	EA	1	R
A76	MIDTOWN LIFT B	PE5187	EA	1	R
A75	MIDTOWN LIFT A	PE5186	EA	1	R
A74	CULLINAN LIBRARY LIFT B	42130738	EA	1	R
A73	CULLINAN LIBRARY LIFT A	42130737	EA	1	R
A72	CHRISTIAAN DE WET (OLD TYRE SECTION)	GOODS HOIST	EA	1	R
A71	PRINCESS PARK ELECTRICAL	GOODS HOIST	EA	1	R
A70	TSHWANE FRESH PRODUCE MARKET	02/L7781	EA	1	R
A69	TSHWANE FRESH PRODUCE MARKET	02/L7780	EA	1	R
A68	TSHWANE FRESH PRODUCE MARKET	02/L7779	EA	1	R
A67	TSHWANE FRESH PRODUCE MARKET	02/L7778	EA	1	R
A66	TSHWANE FRESH PRODUCE MARKET	02/L7777	EA	1	R

PART 2: PRICING INSTRUCTIONS (SECTION B: COMPLIANCE INSPECTION)

PART 2: PRICING INSTRUCTIONS (SECTION B: COMPLIANCE INSPECTION)							
ITEM NUMBER	Building Name	Lift No.	UNIT OF MEASURE	QUANTITY	PRICE. EXCL.VAT		
B1	PRETORIA CITY HALL	PE2729	EA	1	R		
B2		PE2577	EA	1	R		
В3	ATTERIDVILLE SUPER STADIUM	02/L752	EA	1	R		
B4		02/L753	EA	1	R		
B5	CENTURION BUILDING	PE4931	EA	1	R		
B6	PILDITCH STADIUM	PE5367	EA	1	R		
B7	PRETORIA CITY HALL	PE169	EA	1	R		
B8	FRETORIA CITT HALL	PE185	EA	1	R		

В9	TEMBA	LIFT	EA	1	R
B10	TSHWANE MARKET	02/L2981	EA	1	R
D44	TOTTWAINE WARRET		Ε.Δ	4	
B11	TEMBA	02/L2983	EA	1	R
B12	FRESH PRODUCE MARKET		EA	1	R
D.10	(AGENTS)	PE3510			
B13		PE5255	EA	1	R
B14	C DE WET BUILDING		EA	1	R
		02/L928			
B15	SOSHANGUVE ELECTRICAL DEPOT	02/L1277	EA	1	R
B16	SAMMY MARKS SQUARE	PE5901	EA	1	R
B17		PE5902	EA	1	R
B18		PE5903	EA	1	R
B19		PE5904	EA	1	R
B20		PE5905	EA	1	R
B21		PE5906	EA	1	R
B22		Hoist	EA	1	R
B23	HB PHILLIPS BUILDING	02/L925	EA	1	R
B24		02/L1037	EA	1	R
B25		02/L1028	EA	1	R
B26	BAROLAC BUILDING	02/L924	EA	1	R
B27	OU RAADSAAL	PE4212	EA	1	R
B28	PRINCESS PARK ELECTRICAL	02/L1370	EA	1	R
B29		02/L1371	EA	1	R
B30	SAMMY MARKS SQUARE	PESC228	EA	1	R
B31	ESCALATORS	PESC229	EA	1	R
B32		02/L1365	EA	1	R
B33	BOSBOK FLATS	02/L1366	EA	1	R
B34	BLESBOK FLATS	02/L1363	EA	1	R

B35		02/L1364	EA	1	R
B36	STALSHOOGTE	02/L1367	EA	1	R
B37		02/L1368	EA	1	R
B38	EERSTERUS CIVIC CENTER	02/L1369	EA	1	R
B39	EERSTERUST CIVIC CENTER	HOIST	EA	1	R
					R
B40	METRO POLICE	02/L925	EA	1	R
B41		02/L2043	EA	1	R
B42	GIANT STADIUM SOSHANGUVE	02/L2044	EA	1	R
B43		02/L2045	EA	1	R
B44		02/L2046	EA	1	R
B45	CAPITAL PARK	02/L2984	EA	1	R
B46		LIFT platform 02/L1507	EA	1	R
B47	PIETER DELPORT BUILDING	LIFT platform 02/L1508	EA	1	R
B48		Wheelchair Stair lift platform - 02/L1724	EA	1	R
B49		Wheelchair Stair lift platform - 02/L1725	EA	1	R
DEC	ATTEDIDOS VILLE OLIDED	Ţ	F.A.		
B50	ATTERIDGEVILLE SUPER STADIUM	72N6652	EA	1	R
B51	TLMA	02/14721	EA	1	R
B52	TLMA	02/L4720	EA	1	R
B53	ROOIWAL POWER STATION	ADMIN	EA	1	R
B54	ROOIWAL POWER STATION	NORTH BOILER	EA	1	R
B55	ROOIWAL POWER STATION	SOUTH BOILER	EA	1	R

B56	PRETORIA WEST POWER STATION	ADMIN	EA	1	R
B57	PRETORIA WEST POWER STATION	PLANT	EA	1	R
B58	BELLE OMBRE TRANSPORT BUILDING	42877748	EA	1	R
B59	BELLE OMBRE TRANSPORT BUILDING	42877747	EA	1	R
B60	TSHWANE FRESH PRODUCE MARKET	02/L7771	EA	1	R
B61	TSHWANE FRESH PRODUCE MARKET	02/L7772	EA	1	R
B62	TSHWANE FRESH PRODUCE MARKET	02/L7773	EA	1	R
B63	TSHWANE FRESH PRODUCE MARKET	02/L7774	EA	1	R
B64	TSHWANE FRESH PRODUCE MARKET	02/L7775	EA	1	R
B65	TSHWANE FRESH PRODUCE MARKET	02/L7776	EA	1	R
B66	TSHWANE FRESH PRODUCE MARKET	02/L7777	EA	1	R
B67	TSHWANE FRESH PRODUCE MARKET	02/L7778	EA	1	R
B68	TSHWANE FRESH PRODUCE MARKET	02/L7779	EA	1	R
B69	TSHWANE FRESH PRODUCE MARKET	02/L7790	EA	1	R
B70	TSHWANE FRESH PRODUCE MARKET	02/L7781	EA	1	R
B71	PRINCESS PARK ELECTRICAL	GOODS HOIST	EA	1	R
B72	CHRISTIAAN DE WET (OLD TYRE SECTION)	GOODS HOIST	EA	1	R
B73	CULLINAN LIBRARY LIFT A	42130737	EA	1	R
B74	CULLINAN LIBRARY LIFT B	42130738	EA	1	R
B75	MIDTOWN LIFT A	PE5186	EA	1	R
B76	MIDTOWN LIFT B	PE5187	EA	1	R
B77	MIDTOWN LIFT C	PE5188	EA	1	R
	SUB TOTAL B:				R

PART 3: PRICING INSTRUCTIONS (	(SECTION C: QUALITY INSPECTION)
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ITEM NUMBER	Building Name	Lift No.	UNIT OF MEASURE	QUANTITY	PRICE. EXCL.VAT
C1	PRETORIA CITY HALL	PE2729	EA	1	R
C2	THE FORM OF THE	PE2577	EA	1	R
C3	ATTERIDVILLE SUPER STADIUM	02/L752	EA	1	R
C4	ATTERIBVILLE GOT ER GTABION	02/L753	EA	1	R
C5	CENTURION BUILDING	PE4931	EA	1	R
C6	PILDITCH STADIUM	PE5367	EA	1	R
C7		PE169	EA	1	R
C8	PRETORIA CITY HALL	PE185	EA	1	R
C9	TEMBA	LIFT	EA	1	R
C10	TSHWANE MARKET	02/L2981	EA	1	R
C11	TEMBA	02/L2983	EA	1	R
C12	FRESH PRODUCE MARKET (AGENTS)	PE3510	EA	1	R
C13			EA	1	R
C14	C DE WET BUILDING	PE5255 02/L928	EA	1	R
C15	SOSHANGUVE ELECTRICAL DEPOT	02/L1277	EA	1	R
C16	SAMMY MARKS SQUARE	PE5901	EA	1	R
C17		PE5902	EA	1	R
C18		PE5903	EA	1	R
C19		PE5904	EA	1	R
C20	1	PE5905	EA	1	R
C21	]	PE5906	EA	1	R
C22		Hoist	EA	1	R
C23	HB PHILLIPS BUILDING	02/L925	EA	1	R
C24		02/L1037	EA	1	R
C25	1	02/L1028	EA	1	R
C26	BAROLAC BUILDING	02/L924	EA	1	R
C27	OU RAADSAAL	PE4212	EA	1	R

000	DDIVIDEOU DADICEI FOTDIOAL	T	_ <u>-                                   </u>		15
C28	PRINCESS PARK ELECTRICAL	02/L1370	EA	1	R
C29		02/L1371	EA	1	R
C30	SAMMY MARKS SQUARE	PESC228	EA	1	R
C31	- ESCALATORS	PESC229	EA	1	R
C32		02/L1365	EA	1	R
C33	BOSBOK FLATS	02/L1366	EA	1	R
C34	DI FODOM FLATO	02/L1363	EA	1	R
C35	- BLESBOK FLATS	02/L1364	EA	1	R
C36	STALSHOOGTE	02/L1367	EA	1	R
C37		02/L1368	EA	1	R
C38	EERSTERUS CIVIC CENTER	02/L1369	EA	1	R
C39	EERSTERUST CIVIC CENTER	HOIST	EA	1	R
					R
C40	METRO POLICE	02/L925	EA	1	R
C41		02/L2043	EA	1	R
C42	GIANT STADIUM SOSHANGUVE	02/L2044	EA	1	R
C43	-	02/L2045	EA	1	R
C44		02/L2046	EA	1	R
C45	CAPITAL PARK	02/L2984	EA	1	R
C46		LIFT platform 02/L1507	EA	1	R
C47	PIETER DELPORT BUILDING	LIFT platform 02/L1508	EA	1	R
C48		Wheelchair Stair lift	EA	1	R

		platform - 02/L1724			
C49		Wheelchair Stair lift platform - 02/L1725	EA	1	R
C50	ATTERIDGEVILLE SUPER STADIUM	72N6652	EA	1	R
C51	TLMA	02/l4721	EA	1	R
C52	TLMA	02/L4720	EA	1	R
C53	ROOIWAL POWER STATION	ADMIN	EA	1	R
C54	ROOIWAL POWER STATION	NORTH BOILER	EA	1	R
C55	ROOIWAL POWER STATION	SOUTH BOILER	EA	1	R
C56	PRETORIA WEST POWER STATION	ADMIN	EA	1	R
C57	PRETORIA WEST POWER STATION	PLANT	EA	1	R
C58	BELLE OMBRE TRANSPORT BUILDING	42877748	EA	1	R
C59	BELLE OMBRE TRANSPORT BUILDING	42877747	EA	1	R
C60	TSHWANE FRESH PRODUCE MARKET	02/L7771	EA	1	R
C61	TSHWANE FRESH PRODUCE MARKET	02/L7772	EA	1	R
C62	TSHWANE FRESH PRODUCE MARKET	02/L7773	EA	1	R
C63	TSHWANE FRESH PRODUCE MARKET	02/L7774	EA	1	R
C64	TSHWANE FRESH PRODUCE MARKET	02/L7775	EA	1	R
C65	TSHWANE FRESH PRODUCE MARKET	02/L7776	EA	1	R
C66	TSHWANE FRESH PRODUCE MARKET	02/L7777	EA	1	R
C67	TSHWANE FRESH PRODUCE MARKET	02/L7778	EA	1	R
C68	TSHWANE FRESH PRODUCE MARKET	02/L7779	EA	1	R
C69	TSHWANE FRESH PRODUCE MARKET	02/L7790	EA	1	R
C70	TSHWANE FRESH PRODUCE MARKET	02/L7781	EA	1	R

C71	PRINCESS PARK ELECTRICAL	GOODS HOIST	EA	1	R
C72	CHRISTIAAN DE WET (OLD TYRE SECTION)	GOODS HOIST	EA	1	R
C73	CULLINAN LIBRARY LIFT A	42130737	EA	1	R
C74	CULLINAN LIBRARY LIFT B	42130738	EA	1	R
C75	MIDTOWN LIFT A	PE5186	EA	1	R
C76	MIDTOWN LIFT B	PE5187	EA	1	R
C77	MIDTOWN LIFT C	PE5188	EA	1	R
	SUB TOTAL C:				R

### PART 4: SECTION D: ANNUAL PRICE INCREASE – (BOTTOM OF DOCUMENT) PART 5: PRICING INSTRUCTIONS (SECTION E: CRITICAL PARTS)

ITEM#	LIFT #	COMPONENT	UNIT OF MEASUR	QTY	PRICE EXCL. VAT
	<b>"</b>		E		LXGL. VAI
E1.1	1	REPLACEMENT MOTOR	EA	1	R
E1.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E1.3		REPLACE GEARBOX	EA	1	R
E1.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E1.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E1.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E1.7		REPLACE MAIN ROPE CABLE	EA	1	R
E1.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E1.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E1.10		REPLACE CAR SHOE	EA	1	R
E1.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E1.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E1.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E1.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E1.15		REPLACE SHEAVE BEARING	EA	1	R
E1.16		REPLACE DOOR DETECTOR	EA	1	R
E1.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 1			R
E2.1	2	REPLACEMENT MOTOR	EA	1	R
E2.2		REPLACMENT MAIN MOTOR	EA	1	R

		BEARINGS			
E2.3		REPLACE GEARBOX	EA	1	R
E2.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E2.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS		'	
E2.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E2.7		REPLACE MAIN ROPE CABLE	EA	1	R
E2.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E2.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E2.10		REPLACE CAR SHOE	EA	1	R
E2.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E2.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E2.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E2.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E2.15		REPLACE SHEAVE BEARING	EA	1	R
E2.16		REPLACE DOOR DETECTOR	EA	1	R
E2.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 2			R
E3.1	3	REPLACEMENT MOTOR	EA	1	R
E3.2		REPLACMENT MAIN MOTOR	EA	1	R
20.2		BEARINGS		'	
E3.3		REPLACE GEARBOX	EA	1	R
E3.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E3.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E3.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E3.7		REPLACE MAIN ROPE CABLE	EA	1	R
E3.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E3.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E3.10		REPLACE CAR SHOE	EA	1	R
E3.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E3.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E3.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E3.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E3.15		REPLACE SHEAVE BEARING	EA	1	R
E3.16		REPLACE DOOR DETECTOR	EA	1	R
E3.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
	1				
		SUB TOTAL LIFT 3			R
E4.1	4	SUB TOTAL LIFT 3  REPLACEMENT MOTOR	EA	1	R R

E4.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E4.3		REPLACE GEARBOX	EA	1	R
E4.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E4.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E4.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E4.7		REPLACE MAIN ROPE CABLE	EA	1	R
E4.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E4.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E4.10		REPLACE CAR SHOE	EA	1	R
E4.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E4.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E4.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E4.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E4.15		REPLACE SHEAVE BEARING	EA	1	R
E4.16		REPLACE DOOR DETECTOR	EA	1	R
E4.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 4			R
E5.1	5	REPLACEMENT MOTOR	EA	1	R
E5.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E5.3		REPLACE GEARBOX	EA	1	R
E5.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E5.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E5.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E5.7		REPLACE MAIN ROPE CABLE	EA	1	R
E5.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E5.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E5.10		REPLACE CAR SHOE	EA	1	R
E5.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E5.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E5.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E5.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E5.15		REPLACE SHEAVE BEARING	EA	1	R
E5.16		REPLACE DOOR DETECTOR	EA	1	R
E5.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 5			R
E6.1	6	REPLACEMENT MOTOR	EA	1	R

E6.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E6.3		REPLACE GEARBOX	EA	1	R
E6.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E6.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E6.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E6.7		REPLACE MAIN ROPE CABLE	EA	1	R
E6.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E6.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E6.10		REPLACE CAR SHOE	EA	1	R
E6.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E6.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E6.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E6.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E6.15		REPLACE SHEAVE BEARING	EA	1	R
E6.16		REPLACE DOOR DETECTOR	EA	1	R
E6.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 6			R
E7.1	7	REPLACEMENT MOTOR	EA	1	R
E7.1	<b>+</b> *	REPLACMENT MAIN MOTOR	EA	1	R
L1.2		BEARINGS		'	
E7.3		REPLACE GEARBOX	EA	1	R
E7.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E7.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E7.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E7.7		REPLACE MAIN ROPE CABLE	EA	1	R
E7.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E7.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E7.10		REPLACE CAR SHOE	EA	1	R
E7.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E7.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E7.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E7.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E7.15		REPLACE SHEAVE BEARING	EA	1	R
E7.16		REPLACE DOOR DETECTOR	EA	1	R
E7.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 7			R
E0 1	0	DEDLACEMENT MOTOR	ΕΛ	1	D
E8.1	8	REPLACEMENT MOTOR	EA	1	R

E8.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E8.3		REPLACE GEARBOX	EA	1	R
E8.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E8.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E8.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E8.7		REPLACE MAIN ROPE CABLE	EA	1	R
E8.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E8.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E8.10		REPLACE CAR SHOE	EA	1	R
E8.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E8.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E8.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E8.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E8.15		REPLACE SHEAVE BEARING	EA	1	R
E8.16	†	REPLACE DOOR DETECTOR	EA	1	R
E8.17	1	REPLACE CAR DOOR SAFETY	EA	1	R
20.17		CONTACTS		'	
		SUB TOTAL LIFT 8			R
E9.1	9	REPLACEMENT MOTOR	EA	1	R
E9.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E9.3		REPLACE GEARBOX	EA	1	R
E9.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E9.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E9.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E9.7		REPLACE MAIN ROPE CABLE	EA	1	R
E9.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E9.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E9.10		REPLACE CAR SHOE	EA	1	R
E9.11	1	REPLACE COUNTERWEIGHT SHOE	EA	1	R
E9.12	1	REPLACE DOOR DRIVE ANALOG	EA	1	R
E9.13	1	REPLACE DOOR DRIVE VVVF	EA	1	R
E9.14	1	REPLACE MAIN DRIVE SHEAVE	EA	1	R
E9.15	1	REPLACE SHEAVE BEARING	EA	1	R
E9.16	1	REPLACE DOOR DETECTOR	EA	1	R
E9.17	1	REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
	ļ	SUB TOTAL LIFT 9			R
I					F-7
		SOB TOTAL LIFT 9			TX T

E10.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E10.3		REPLACE GEARBOX	EA	1	R
E10.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E10.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E10.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E10.7		REPLACE MAIN ROPE CABLE	EA	1	R
E10.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E10.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E10.10		REPLACE CAR SHOE	EA	1	R
E10.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E10.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E10.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E10.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E10.15		REPLACE SHEAVE BEARING	EA	1	R
E10.16		REPLACE DOOR DETECTOR	EA	1	R
E10.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 10			R
E11.1	11	REPLACEMENT MOTOR	EA	1	R
E11.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E11.3		REPLACE GEARBOX	EA	1	R
E11.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E11.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E11.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E11.7		REPLACE MAIN ROPE CABLE	EA	1	R
E11.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E11.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E11.10		REPLACE CAR SHOE	EA	1	R
E11.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E11.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E11.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E11.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E11.15		REPLACE SHEAVE BEARING	EA	1	R
E11.16		REPLACE DOOR DETECTOR	EA	1	R
E11.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 11			D
		SUBTUTAL LIFT IT			R
E12.1	12	REPLACEMENT MOTOR	EA	1	R

E12.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E12.3		REPLACE GEARBOX	EA	1	R
E12.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E12.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E12.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E12.7		REPLACE MAIN ROPE CABLE	EA	1	R
E12.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E12.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E12.10		REPLACE CAR SHOE	EA	1	R
E12.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E12.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E12.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E12.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E12.15		REPLACE SHEAVE BEARING	EA	1	R
E12.16		REPLACE DOOR DETECTOR	EA	1	R
E12.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			1.
		SUB TOTAL LIFT 12			R
E13.1	13	REPLACEMENT MOTOR	EA	1	R
E13.2	-	REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E13.3		REPLACE GEARBOX	EA	1	R
E13.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E13.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E13.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E13.7		REPLACE MAIN ROPE CABLE	EA	1	R
E13.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E13.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E13.10		REPLACE CAR SHOE	EA	1	R
E13.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E13.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E13.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E13.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E13.15		REPLACE SHEAVE BEARING	EA	1	R
E13.16		REPLACE DOOR DETECTOR	EA	1	R
E13.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 13			R
		30B TOTAL LIFT 13			N N
E14.1	14	REPLACEMENT MOTOR	EA	1	R

E14.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E14.3		REPLACE GEARBOX	EA	1	R
E14.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E14.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E14.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E14.7		REPLACE MAIN ROPE CABLE	EA	1	R
E14.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E14.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E14.10		REPLACE CAR SHOE	EA	1	R
E14.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E14.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E14.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E14.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E14.15		REPLACE SHEAVE BEARING	EA	1	R
E14.16		REPLACE DOOR DETECTOR	EA	1	R
E14.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS		-	
		SUB TOTAL LIFT 14			R
E15.1	15	REPLACEMENT MOTOR	EA	1	R
E15.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E15.3		REPLACE GEARBOX	EA	1	R
E15.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E15.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E15.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E15.7		REPLACE MAIN ROPE CABLE	EA	1	R
E15.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E15.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E15.10		REPLACE CAR SHOE	EA	1	R
E15.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E15.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E15.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E15.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E15.15		REPLACE SHEAVE BEARING	EA	1	R
E15.16		REPLACE DOOR DETECTOR	EA	1	R
E15.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 15			R
		JOB TOTAL LIFT 13			N N
E16.1	16	REPLACEMENT MOTOR	EA	1	R

BEARINGS	E16.2		REPLACMENT MAIN MOTOR	EA	1	R
E16.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E16.5         REPLACE MACHINE BRAKE AND         EA         1         R           E16.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E16.7         REPLACE MAIN ROPE CABLE         EA         1         R           E16.7         REPLACE MAIN DRIVE UNIT         EA         1         R           E16.9         REPLACE BLECTRONIC DOOR         EA         1         R           E16.9         REPLACE ELECTRONIC DOOR         EA         1         R           E16.10         REPLACE CAR SHOE         EA         1         R           E16.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E16.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E16.13         REPLACE DOOR DRIVE VVYF         EA         1         R           E16.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E16.15         REPLACE MACHINE SHAWING         EA         1         R           E16.17         REPLACE CAR DOOR SAFETY         EA         1         R           E17.2         REPLACEME	F40.0					<b>D</b>
E16.5						
LININGS   REPLACE MACHINE BRAKE COIL   EA						
E16.7         REPLACE MAIN ROPE CABLE         EA         1         R           E16.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E16.9         REPLACE ELECTRONIC DOOR         EA         1         R           E16.10         REPLACE ELECTRONIC DOOR         EA         1         R           E16.11         REPLACE CAR SHOE         EA         1         R           E16.12         REPLACE DOOR DRIVE WANLOG         EA         1         R           E16.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E16.13         REPLACE SHEAVE BEARING         EA         1         R           E16.14         REPLACE SHEAVE BEARING         EA         1         R           E16.15         REPLACE DOOR DETECTOR         EA         1         R           E16.16         REPLACE ORDOR SAFETY         EA         1         R           E16.17         REPLACE MACHINE MOTOR         EA         1         R           E17.2         REPLACE MAIN MOTOR DIL SEALS         EA         1         R           E17.3         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.4         REPLACE MAIN MOTOR DI	E16.5			EA	1	K
E16.8						
E16.9   REPLACE ELECTRONIC DOOR   EA					1	
SCANNER						
E16.11	E16.9			EA	1	R
E16.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E16.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E16.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E16.15         REPLACE SHEAVE BEARING         EA         1         R           E16.16         REPLACE DOOR DETECTOR         EA         1         R           E16.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R           SUB TOTAL LIFT 16         R           SUB TOTAL LIFT 16         R         R           E17.1         17         REPLACEMENT MOTOR         EA         1         R           E17.2         REPLACEMENT MAIN MOTOR         EA         1         R           E17.3         REPLACE GEARBOX         EA         1         R           E17.3         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MAIN MOTOR OIL SEALS         EA         1	E16.10		REPLACE CAR SHOE	EA	1	R
E16.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E16.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E16.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E16.15         REPLACE SHEAVE BEARING         EA         1         R           E16.16         REPLACE DOOR DETECTOR         EA         1         R           E16.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R           SUB TOTAL LIFT 16         R           SUB TOTAL LIFT 16         R         R           E17.1         17         REPLACEMENT MOTOR         EA         1         R           E17.2         REPLACEMENT MAIN MOTOR         EA         1         R           E17.3         REPLACE GEARBOX         EA         1         R           E17.3         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MAIN MOTOR OIL SEALS         EA         1	E16.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E16.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E16.15         REPLACE SHEAVE BEARING         EA         1         R           E16.16         REPLACE DOOR DETECTOR         EA         1         R           E16.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         SUB TOTAL LIFT 16         R         R           E17.1         17         REPLACEMENT MOTOR         EA         1         R           E17.2         REPLACEMENT MAIN MOTOR         EA         1         R           E17.3         REPLACE GEARBOX         EA         1         R           E17.4         REPLACE MACHINE BRAKE AND         EA         1         R           E17.5         REPLACE MACHINE BRAKE COIL         EA         1         R           E17.6         REPLACE MAIN ROPE CABLE         EA         1         R           E17.7         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.8         REPLACE ELECTRONIC DOOR         EA         1         R           E17.10         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.11         REPLACE DOOR DRIVE ANALOG	E16.12		REPLACE DOOR DRIVE ANALOG	EA	1	
E16.15	E16.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E16.16	E16.14		REPLACE MAIN DRIVE SHEAVE	EA	1	
E16.16					_	
SUB TOTAL LIFT 16	E16.16		REPLACE DOOR DETECTOR	EA	1	
SUB TOTAL LIFT 16	E16.17		REPLACE CAR DOOR SAFETY		1	
E17.1 17 REPLACEMENT MOTOR EA 1 R E17.2 REPLACMENT MAIN MOTOR EA 1 R E17.3 REPLACE GEARBOX EA 1 R E17.4 REPLACE MAIN MOTOR OIL SEALS EA 1 R E17.5 REPLACE MACHINE BRAKE AND EA 1 R LININGS E17.6 REPLACE MACHINE BRAKE COIL EA 1 R E17.7 REPLACE MAIN ROPE CABLE EA 1 R E17.8 REPLACE MAIN DRIVE UNIT EA 1 R E17.9 REPLACE ELECTRONIC DOOR EA 1 R E17.10 REPLACE CAR SHOE EA 1 R E17.11 REPLACE COUNTERWEIGHT SHOE EA 1 R E17.12 REPLACE DOOR DRIVE ANALOG EA 1 R E17.13 REPLACE DOOR DRIVE VVVF EA 1 R E17.14 REPLACE MAIN DRIVE SHEAVE EA 1 R E17.15 REPLACE SHEAVE BEARING EA 1 R E17.16 REPLACE COOR DETECTOR EA 1 R E17.17 REPLACE CAR DOOR SAFETY EA 1 R E17.17 REPLACE CAR DOOR DETECTOR EA 1 R E17.16 REPLACE CAR DOOR SAFETY EA 1 R			CONTACTS			
E17.2         REPLACMENT MAIN MOTOR BEARINGS         EA         1         R           E17.3         REPLACE GEARBOX         EA         1         R           E17.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MACHINE BRAKE AND LININGS         EA         1         R           E17.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E17.7         REPLACE MAIN ROPE CABLE         EA         1         R           E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR SCANNER         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16			SUB TOTAL LIFT 16			R
E17.2         REPLACMENT MAIN MOTOR BEARINGS         EA         1         R           E17.3         REPLACE GEARBOX         EA         1         R           E17.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MACHINE BRAKE AND LININGS         EA         1         R           E17.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E17.7         REPLACE MAIN ROPE CABLE         EA         1         R           E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR SCANNER         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16						_
BEARINGS   E17.3   REPLACE GEARBOX   EA	E17.1	17	REPLACEMENT MOTOR	EA	1	R
E17.3         REPLACE GEARBOX         EA         1         R           E17.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MACHINE BRAKE AND         EA         1         R           E17.5         REPLACE MACHINE BRAKE AND         EA         1         R           E17.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E17.7         REPLACE MAIN ROPE CABLE         EA         1         R           E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE CAR DOOR	E17.2		REPLACMENT MAIN MOTOR	EA	1	R
E17.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E17.5         REPLACE MACHINE BRAKE AND         EA         1         R           E17.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E17.7         REPLACE MAIN ROPE CABLE         EA         1         R           E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE CAR DOOR SAFETY         EA         1         R           E17.17         REPLACE C			BEARINGS			
E17.5         REPLACE MACHINE BRAKE AND LININGS         EA         1         R           E17.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E17.7         REPLACE MAIN ROPE CABLE         EA         1         R           E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR SCANNER         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE CAR DOOR SAFETY         EA         1         R           E17.17         REPLACE CAR DOOR SAFETY         EA         1         R	E17.3		REPLACE GEARBOX	EA	1	R
LININGS         E17.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E17.7         REPLACE MAIN ROPE CABLE         EA         1         R           E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR         EA         1         R           SCANNER         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE DOOR DETECTOR         EA         1         R           E17.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         1         R	E17.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E17.7         REPLACE MAIN ROPE CABLE         EA         1         R           E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE DOOR DETECTOR         EA         1         R           E17.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R	E17.5			EA	1	R
E17.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E17.9         REPLACE ELECTRONIC DOOR         EA         1         R           E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE DOOR DETECTOR         EA         1         R           E17.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R	E17.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E17.9 REPLACE ELECTRONIC DOOR SCANNER  E17.10 REPLACE CAR SHOE EA 1 R  E17.11 REPLACE COUNTERWEIGHT SHOE EA 1 R  E17.12 REPLACE DOOR DRIVE ANALOG EA 1 R  E17.13 REPLACE DOOR DRIVE VVVF EA 1 R  E17.14 REPLACE MAIN DRIVE SHEAVE EA 1 R  E17.15 REPLACE SHEAVE BEARING EA 1 R  E17.16 REPLACE DOOR DETECTOR EA 1 R  E17.17 REPLACE CAR DOOR SAFETY EA 1 R	E17.7		REPLACE MAIN ROPE CABLE	EA	1	R
SCANNER         E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE DOOR DETECTOR         EA         1         R           E17.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         A         1         R	E17.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E17.10         REPLACE CAR SHOE         EA         1         R           E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE DOOR DETECTOR         EA         1         R           E17.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R	E17.9			EA	1	R
E17.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E17.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E17.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E17.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E17.15         REPLACE SHEAVE BEARING         EA         1         R           E17.16         REPLACE DOOR DETECTOR         EA         1         R           E17.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R	E17.10			EA	1	R
E17.12REPLACE DOOR DRIVE ANALOGEA1RE17.13REPLACE DOOR DRIVE VVVFEA1RE17.14REPLACE MAIN DRIVE SHEAVEEA1RE17.15REPLACE SHEAVE BEARINGEA1RE17.16REPLACE DOOR DETECTOREA1RE17.17REPLACE CAR DOOR SAFETY CONTACTSEA1R						
E17.13 REPLACE DOOR DRIVE VVVF EA 1 R E17.14 REPLACE MAIN DRIVE SHEAVE EA 1 R E17.15 REPLACE SHEAVE BEARING EA 1 R E17.16 REPLACE DOOR DETECTOR EA 1 R E17.17 REPLACE CAR DOOR SAFETY EA 1 R CONTACTS					<del>- +</del>	
E17.14REPLACE MAIN DRIVE SHEAVEEA1RE17.15REPLACE SHEAVE BEARINGEA1RE17.16REPLACE DOOR DETECTOREA1RE17.17REPLACE CAR DOOR SAFETY CONTACTSEA1R					1	
E17.15 REPLACE SHEAVE BEARING EA 1 R E17.16 REPLACE DOOR DETECTOR EA 1 R E17.17 REPLACE CAR DOOR SAFETY EA 1 R CONTACTS	E17.14				1	
E17.17 REPLACE CAR DOOR SAFETY EA 1 R CONTACTS	E17.15		REPLACE SHEAVE BEARING		1	
CONTACTS	E17.16		REPLACE DOOR DETECTOR	EA	1	R
SUB TOTAL LIFT 17 R	E17.17			EA	1	R
SUB TOTAL LIFT 17						
			SUB TOTAL LIFT 17			R

E18.1	18	REPLACEMENT MOTOR	EA	1	R
E18.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E18.3		REPLACE GEARBOX	EA	1	R
E18.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E18.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E18.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E18.7		REPLACE MAIN ROPE CABLE	EA	1	R
E18.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E18.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E18.10		REPLACE CAR SHOE	EA	1	R
E18.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E18.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E18.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E18.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E18.15		REPLACE SHEAVE BEARING	EA	1	R
E18.16		REPLACE DOOR DETECTOR	EA	1	R
E18.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 18			R
E19.1	19	REPLACEMENT MOTOR	EA	1	R
E192		REPLACMENT MAIN MOTOR	EA	1	R
=		BEARINGS			
E19.3		REPLACE GEARBOX	EΑ	1 1	R
		DEDI AGE MANUAGED OU GEALO		1	_
E19.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
		REPLACE MACHINE BRAKE AND			R R
E19.4 E19.5		REPLACE MACHINE BRAKE AND LININGS	EA EA	1 1	R
E19.4 E19.5		REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL	EA EA	1 1	R R
E19.4 E19.5 E19.6 E19.7		REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE	EA EA EA	1 1 1 1	R R R
E19.4 E19.5 E19.6 E19.7 E19.8		REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT	EA EA EA EA	1 1 1 1 1 1	R R R R
E19.4 E19.5 E19.6 E19.7		REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR	EA EA EA	1 1 1 1	R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9		REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER	EA EA EA EA EA	1 1 1 1 1	R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9		REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE	EA EA EA EA EA	1 1 1 1 1 1	R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9		REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE	EA EA EA EA EA EA	1 1 1 1 1 1	R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG	EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF	EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1	R R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13 E19.14		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE MAIN DRIVE SHEAVE	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1	R R R R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13 E19.14 E19.15		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING	EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13 E19.14 E19.15 E19.16		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR	EA EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13 E19.14 E19.15		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR  REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13 E19.14 E19.15 E19.16		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR	EA EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13 E19.14 E19.15 E19.16		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR  REPLACE CAR DOOR SAFETY  CONTACTS	EA EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R R R
E19.4 E19.5 E19.6 E19.7 E19.8 E19.9 E19.10 E19.11 E19.12 E19.13 E19.14 E19.15 E19.16		REPLACE MACHINE BRAKE AND LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR  REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R

E20.120REPLACEMENT MOTOREAE20.2REPLACMENT MAIN MOTOR BEARINGSEAE20.3REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGSEAE20.5REPLACE MACHINE BRAKE COILEAE20.6REPLACE MACHINE BRAKE COILEA	1 1 1 1	R R R
E20.3 REPLACE GEARBOX EA E20.4 REPLACE MAIN MOTOR OIL SEALS EA E20.5 REPLACE MACHINE BRAKE AND EA LININGS	1	R
E20.3 REPLACE GEARBOX EA E20.4 REPLACE MAIN MOTOR OIL SEALS EA E20.5 REPLACE MACHINE BRAKE AND EA LININGS	1	R
E20.4 REPLACE MAIN MOTOR OIL SEALS EA E20.5 REPLACE MACHINE BRAKE AND EA LININGS		
LININGS	1	R
	T	R
E20.6 REPLACE MACHINE BRAKE COIL EA		
	1	R
E20.7 REPLACE MAIN ROPE CABLE EA	1	R
E20.8 REPLACE MAIN DRIVE UNIT EA	1	R
E20.9 REPLACE ELECTRONIC DOOR EA	1	R
SCANNER		
E20.10 REPLACE CAR SHOE EA	1	R
E20.11 REPLACE COUNTERWEIGHT SHOE EA	1	R
E20.12   REPLACE DOOR DRIVE ANALOG   EA	1	R
E20.13 REPLACE DOOR DRIVE VVVF EA	1	R
E20.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
E20.15 REPLACE SHEAVE BEARING EA	1	R
E20.16 REPLACE DOOR DETECTOR EA	1	R
E20.17 REPLACE CAR DOOR SAFETY EA	1	R
CONTACTS		
SUB TOTAL LIFT 20		R
E21.1 21 REPLACEMENT MOTOR EA	1	R
E21.2 REPLACMENT MAIN MOTOR EA	1	R
BEARINGS 54	4	<del></del>
E21.3 REPLACE GEARBOX EA	1	R
E21.4 REPLACE MAIN MOTOR OIL SEALS EA	1	R
E21.5 REPLACE MACHINE BRAKE AND EA LININGS	1	R
E21.6 REPLACE MACHINE BRAKE COIL EA	1	R
E21.7 REPLACE MAIN ROPE CABLE EA	1	R
E21.8 REPLACE MAIN DRIVE UNIT EA	1	R
E21.9 REPLACE ELECTRONIC DOOR EA	1	R
SCANNER EACH ELECTRONIC BOOK	'	
E21.10 REPLACE CAR SHOE EA	1	R
E21.11 REPLACE COUNTERWEIGHT SHOE EA	1	R
E21.12 REPLACE DOOR DRIVE ANALOG EA	1	R
E21.13 REPLACE DOOR DRIVE VVVF EA	1	R
E21.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
E21.15 REPLACE SHEAVE BEARING EA	1	R
E21.16 REPLACE DOOR DETECTOR EA	1	R
E21.17 REPLACE CAR DOOR SAFETY EA	1	R
CONTACTS		
SUB TOTAL LIFT 21		R

E22.1	22	REPLACEMENT MOTOR	EA	1	R
E22.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E22.3		REPLACE GEARBOX	EA	1	R
E22.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E22.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E22.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E22.7		REPLACE MAIN ROPE CABLE	EA	1	R
E22.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E22.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E22.10		REPLACE CAR SHOE	EA	1	R
E22.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E22.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E22.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E22.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E22.15		REPLACE SHEAVE BEARING	EA	1	R
E22.16		REPLACE DOOR DETECTOR	EA	1	R
E22.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 22			R
E23.1	23	REPLACEMENT MOTOR	EA	1	R
E23.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E23.3		REPLACE GEARBOX	EA	1	R
E23.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E23.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E23.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E23.7		REPLACE MAIN ROPE CABLE	EA	1	R
E23.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E23.9		REPLACE ELECTRONIC DOOR	EA	1	R
1	1	SCANNER	i	1	
<b>F</b> 00 : :		DEDLAGE GAR GUIGE			_
E23.10		REPLACE CAR SHOE	EA	1	R
E23.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E23.11 E23.12		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG	EA EA	1	R R
E23.11 E23.12 E23.13		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF	EA EA EA	1 1 1	R R R
E23.11 E23.12 E23.13 E23.14		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE	EA EA EA	1 1 1	R R R R
E23.11 E23.12 E23.13 E23.14 E23.15		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING	EA EA EA EA	1 1 1 1	R R R R
E23.11 E23.12 E23.13 E23.14 E23.15 E23.16		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR	EA EA EA EA EA	1 1 1 1 1	R R R R R
E23.11 E23.12 E23.13 E23.14 E23.15		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR REPLACE CAR DOOR SAFETY	EA EA EA EA	1 1 1 1	R R R R
E23.11 E23.12 E23.13 E23.14 E23.15 E23.16		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR	EA EA EA EA EA	1 1 1 1 1	R R R R R
E23.11 E23.12 E23.13 E23.14 E23.15 E23.16		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR REPLACE CAR DOOR SAFETY CONTACTS	EA EA EA EA EA	1 1 1 1 1	R R R R R R
E23.11 E23.12 E23.13 E23.14 E23.15 E23.16		REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR REPLACE CAR DOOR SAFETY	EA EA EA EA EA	1 1 1 1 1	R R R R R

E24.2   REPLACMENT MAIN MOTOR   EA	E24.1	24	REPLACEMENT MOTOR	EA	1	R
E24.3         REPLACE GEARBOX         EA         1         R           E24.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E24.5         REPLACE MACHINE BRAKE AND         EA         1         R           E24.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E24.7         REPLACE MAIN ROPE CABLE         EA         1         R           E24.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E24.9         REPLACE ELECTRONIC DOOR         EA         1         R           E24.9         REPLACE ELECTRONIC DOOR         EA         1         R           SCANNER         1         R         EA         1         R           E24.10         REPLACE CAR SHOE         EA         1         R         E24.12         REPLACE COUNTERWEIGHT SHOE         EA         1         R         E24.13         REPLACE COUNTERWEIGHT SHOE         EA         1         R         E24.13         REPLACE DOOR DRIVE VVVF         EA         1         R         E24.13         REPLACE DOOR DRIVE VVVF         EA         1         R         E24.15         REPLACE BALVE BHAVE         EA         1         R         E24.16						
E24.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E24.5         REPLACE MACHINE BRAKE AND         EA         1         R           E24.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E24.7         REPLACE MAIN ROPE CABLE         EA         1         R           E24.7         REPLACE MAIN DRIVE UNIT         EA         1         R           E24.9         REPLACE ELECTRONIC DOOR         EA         1         R           E24.9         REPLACE ELECTRONIC DOOR         EA         1         R           E24.10         REPLACE CAR SHOE         EA         1         R           E24.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E24.12         REPLACE CONDRIVE ANALOG         EA         1         R           E24.13         REPLACE BOOR DRIVE VVVF         EA         1         R           E24.14         REPLACE SHEAVE BEARING         EA         1         R           E24.15         REPLACE SHEAVE BEARING         EA         1         R           E24.17         REPLACE CAR DOOR SAFETY         EA         1         R           E24.17         REPLACE GEARBO			BEARINGS			
E24.5         REPLACE MACHINE BRAKE AND         EA         1         R           E24.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E24.7         REPLACE MACHINE BRAKE COIL         EA         1         R           E24.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E24.9         REPLACE ELECTRONIC DOOR         EA         1         R           E24.10         REPLACE CAR SHOE         EA         1         R           E24.10         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E24.11         REPLACE DOOR DRIVE VVVF         EA         1         R           E24.12         REPLACE DOOR DRIVE VVVF         EA         1         R           E24.13         REPLACE SHEAVE BEARING         EA         1         R           E24.14         REPLACE SHEAVE BEARING         EA         1         R           E24.15         REPLACE OOR DETECTOR         EA         1         R           E24.17         REPLACE MACHINE MOTOR         EA         1         R           E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACE	E24.3		REPLACE GEARBOX	EA	1	R
LININGS   REPLACE MACHINE BRAKE COIL   EA	E24.4			EA	1	R
E24.6   REPLACE MACHINE BRAKE COIL   EA	E24.5		REPLACE MACHINE BRAKE AND	EA	1	R
E24.7         REPLACE MAIN ROPE CABLE         EA         1         R           E24.8         REPLACE ELECTRONIC DOOR         EA         1         R           E24.9         REPLACE ELECTRONIC DOOR         EA         1         R           SCANNER         A         1         R         R           E24.10         REPLACE CAR SHOE         EA         1         R           E24.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E24.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E24.13         REPLACE DOOR DRIVE VVVF         EA         1         R         E24.14         REPLACE SHEAVE BEARING         EA         1         R         E24.15         REPLACE SHEAVE BEARING         EA         1         R         E24.16         REPLACE GOOR DETECTOR         EA         1         R         E24.17         REPLACE CAR DOOR SAFETY         EA         1         R         R           E24.17         REPLACE MAIN MOTOR         EA         1         R         R         E25.1         REPLACEMENT MAIN MOTOR         EA         1         R           E25.1         25         REPLACEMENT MAIN MOTOR OIL SEALS         EA         1 <t< td=""><td></td><td></td><td>LININGS</td><td></td><td></td><td></td></t<>			LININGS			
E24.8   REPLACE MAIN DRIVE UNIT	E24.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E24.9   REPLACE ELECTRONIC DOOR   EA	E24.7		REPLACE MAIN ROPE CABLE	EA	1	R
SCANNER	E24.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E24.10         REPLACE CAR SHOE         EA         1         R           E24.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E24.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E24.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E24.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E24.15         REPLACE SHEAVE BEARING         EA         1         R           E24.16         REPLACE SHEAVE BEARING         EA         1         R           E24.17         REPLACE CAR DOOR DETECTOR         EA         1         R           E24.17         REPLACE CAR DOOR SAFETY         EA         1         R           E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACEMENT MAIN MOTOR         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.4         REPLACE MACHINE BRAKE AND         EA         1         R           E25.5         REPLACE MACHINE BR	E24.9		REPLACE ELECTRONIC DOOR	EA	1	R
E24.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E24.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E24.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E24.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E24.15         REPLACE SHEAVE BEARING         EA         1         R           E24.16         REPLACE DOOR DETECTOR         EA         1         R           E24.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         SUB TOTAL LIFT 24         R         R           E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACEMENT MOTOR         EA         1         R         BARRINGS         EA         1         R           E25.2         REPLACE GEARBOX         EA         1         R         BARRINGS         EA         1         R         BARRINGS         EA         1         R         E25.3         REPLACE GEARBOX         EA         1         R         E25.3         REPLACE GEARBOX         EA         1         R         E25.5			SCANNER			
E24.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E24.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E24.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E24.15         REPLACE SHEAVE BEARING         EA         1         R           E24.16         REPLACE DOOR DETECTOR         EA         1         R           E24.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         SUB TOTAL LIFT 24         R         R           E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACEMENT MAIN MOTOR         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E25.5         REPLACE MACHINE BRAKE AND         EA         1         R           E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.6         REPLACE MAIN DRIVE UNIT	E24.10		REPLACE CAR SHOE	EA	1	R
E24.13	E24.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E24.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E24.15         REPLACE SHEAVE BEARING         EA         1         R           E24.16         REPLACE DOOR DETECTOR         EA         1         R           E24.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         SUB TOTAL LIFT 24         R         R           E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACEMENT MAIN MOTOR         EA         1         R         BEARINGS         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R         BEARINGS         EA         1         R         E25.4         REPLACE MACHINE BRAKE AND         EA         1         R         E25.5         REPLACE MACHINE BRAKE AND         EA         1         R         E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R         E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R         E25.8         REPLACE MAIN ROPE CABLE         EA         1         R         E25.8         E25.9         REPLACE MAIN DRIVE UNIT         EA         1         R	E24.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E24.15         REPLACE SHEAVE BEARING         EA         1         R           E24.16         REPLACE DOOR DETECTOR         EA         1         R           E24.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS           SUB TOTAL LIFT 24         R         R           E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACEMENT MAIN MOTOR         EA         1         R         B         EA         1         R         EA         1	E24.13		REPLACE DOOR DRIVE VVVF	EA	1	
E24.16         REPLACE DOOR DETECTOR         EA         1         R           E24.17         REPLACE CAR DOOR SAFETY         EA         1         R           SUB TOTAL LIFT 24         R           SUB TOTAL LIFT 24         R           REPLACEMENT MOTOR         EA         1         R           E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACEMENT MOTOR         EA         1         R         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R         EA         1         R         E25.3         EA         1         R         E25.4         REPLACE MACHINE BRAKE AND         EA         1         R         E25.5         REPLACE MACHINE BRAKE COIL         EA         1         R         E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R         E25.7         REPLACE MACHINE BRAKE COIL         EA         1         R         E25.7         REPLACE MACHINE BRAKE COIL         EA         1         R         E25.8         E25.8         REPLACE MACHINE BRAKE COIL         EA         1         R         E25.8         E25.8	E24.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E24.17   REPLACE CAR DOOR SAFETY CONTACTS	E24.15		REPLACE SHEAVE BEARING	EA	1	R
SUB TOTAL LIFT 24	E24.16		REPLACE DOOR DETECTOR	EA	1	R
SUB TOTAL LIFT 24	E24.17		REPLACE CAR DOOR SAFETY	EA	1	R
E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACMENT MAIN MOTOR         EA         1         R           E25.2         REPLACE GEARBOX         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E25.5         REPLACE MACHINE BRAKE AND         EA         1         R           E25.5         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE MAIN DR			CONTACTS			
E25.1         25         REPLACEMENT MOTOR         EA         1         R           E25.2         REPLACMENT MAIN MOTOR         EA         1         R           E25.2         REPLACE GEARBOX         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E25.5         REPLACE MACHINE BRAKE AND         EA         1         R           E25.5         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE MAIN DR						
E25.2         REPLACMENT MAIN MOTOR BEARINGS         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E25.5         REPLACE MACHINE BRAKE AND         EA         1         R           E25.5         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.6         REPLACE MAIN ROPE CABLE         EA         1         R           E25.7         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.8         REPLACE ELECTRONIC DOOR         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.14         REPLACE SHEAVE BEARING         EA         1         R           E25.15         REPLACE			SUB TOTAL LIFT 24			R
E25.2         REPLACMENT MAIN MOTOR BEARINGS         EA         1         R           E25.3         REPLACE GEARBOX         EA         1         R           E25.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E25.5         REPLACE MACHINE BRAKE AND         EA         1         R           E25.5         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.6         REPLACE MAIN ROPE CABLE         EA         1         R           E25.7         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.8         REPLACE ELECTRONIC DOOR         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.14         REPLACE SHEAVE BEARING         EA         1         R           E25.15         REPLACE						
BEARINGS   E25.3   REPLACE GEARBOX   EA		25			_	
E25.3         REPLACE GEARBOX         EA         1         R           E25.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E25.5         REPLACE MACHINE BRAKE AND         EA         1         R           E25.5         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE SHEAVE BEARING         EA         1         R           E25.15         REPLACE CAR DOOR D	E25.2			EA	1	R
E25.4         REPLACE MAIN MOTOR OIL SEALS         EA         1         R           E25.5         REPLACE MACHINE BRAKE AND         EA         1         R           E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.7         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.8         REPLACE ELECTRONIC DOOR         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           SCANNER         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.15         REPLACE SHEAVE BEARING         EA         1         R           E25.16         REPLACE CAR DOOR SAFETY         EA	505.0				- 4	-
E25.5         REPLACE MACHINE BRAKE AND LININGS         EA         1         R           E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR SCANNER         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.15         REPLACE SHEAVE BEARING         EA         1         R           E25.16         REPLACE CAR DOOR DETECTOR         EA         1         R           E25.17         REPLACE CAR DOOR SAFETY         EA         1         R						
LININGS         E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR SCANNER         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.15         REPLACE SHEAVE BEARING         EA         1         R           E25.16         REPLACE DOOR DETECTOR         EA         1         R           E25.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         1         R						
E25.6         REPLACE MACHINE BRAKE COIL         EA         1         R           E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           SCANNER         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.15         REPLACE SHEAVE BEARING         EA         1         R           E25.16         REPLACE CAR DOOR DETECTOR         EA         1         R           E25.17         REPLACE CAR DOOR SAFETY         EA         1         R	E25.5			EA	1	R
E25.7         REPLACE MAIN ROPE CABLE         EA         1         R           E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           SCANNER         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.15         REPLACE SHEAVE BEARING         EA         1         R           E25.16         REPLACE DOOR DETECTOR         EA         1         R           E25.17         REPLACE CAR DOOR SAFETY         EA         1         R	EQE 6				1	D
E25.8         REPLACE MAIN DRIVE UNIT         EA         1         R           E25.9         REPLACE ELECTRONIC DOOR         EA         1         R           SCANNER         EA         1         R           E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.15         REPLACE SHEAVE BEARING         EA         1         R           E25.16         REPLACE DOOR DETECTOR         EA         1         R           E25.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R						
E25.9REPLACE ELECTRONIC DOOR SCANNEREA1RE25.10REPLACE CAR SHOEEA1RE25.11REPLACE COUNTERWEIGHT SHOEEA1RE25.12REPLACE DOOR DRIVE ANALOGEA1RE25.13REPLACE DOOR DRIVE VVVFEA1RE25.14REPLACE MAIN DRIVE SHEAVEEA1RE25.15REPLACE SHEAVE BEARINGEA1RE25.16REPLACE DOOR DETECTOREA1RE25.17REPLACE CAR DOOR SAFETYEA1RCONTACTSCONTACTSIIR						
SCANNER         E25.10         REPLACE CAR SHOE         EA         1         R           E25.11         REPLACE COUNTERWEIGHT SHOE         EA         1         R           E25.12         REPLACE DOOR DRIVE ANALOG         EA         1         R           E25.13         REPLACE DOOR DRIVE VVVF         EA         1         R           E25.14         REPLACE MAIN DRIVE SHEAVE         EA         1         R           E25.15         REPLACE SHEAVE BEARING         EA         1         R           E25.16         REPLACE DOOR DETECTOR         EA         1         R           E25.17         REPLACE CAR DOOR SAFETY         EA         1         R           CONTACTS         CONTACTS         EA         1         R	_					
E25.10REPLACE CAR SHOEEA1RE25.11REPLACE COUNTERWEIGHT SHOEEA1RE25.12REPLACE DOOR DRIVE ANALOGEA1RE25.13REPLACE DOOR DRIVE VVVFEA1RE25.14REPLACE MAIN DRIVE SHEAVEEA1RE25.15REPLACE SHEAVE BEARINGEA1RE25.16REPLACE DOOR DETECTOREA1RE25.17REPLACE CAR DOOR SAFETY CONTACTSEA1R	E∠3.9				'	
E25.11REPLACE COUNTERWEIGHT SHOEEA1RE25.12REPLACE DOOR DRIVE ANALOGEA1RE25.13REPLACE DOOR DRIVE VVVFEA1RE25.14REPLACE MAIN DRIVE SHEAVEEA1RE25.15REPLACE SHEAVE BEARINGEA1RE25.16REPLACE DOOR DETECTOREA1RE25.17REPLACE CAR DOOR SAFETY CONTACTSEA1R	F25 10			FΔ	1	R
E25.12REPLACE DOOR DRIVE ANALOGEA1RE25.13REPLACE DOOR DRIVE VVVFEA1RE25.14REPLACE MAIN DRIVE SHEAVEEA1RE25.15REPLACE SHEAVE BEARINGEA1RE25.16REPLACE DOOR DETECTOREA1RE25.17REPLACE CAR DOOR SAFETY CONTACTSEA1R	_					
E25.13REPLACE DOOR DRIVE VVVFEA1RE25.14REPLACE MAIN DRIVE SHEAVEEA1RE25.15REPLACE SHEAVE BEARINGEA1RE25.16REPLACE DOOR DETECTOREA1RE25.17REPLACE CAR DOOR SAFETY CONTACTSEA1R					<del>-   -</del> -	
E25.14REPLACE MAIN DRIVE SHEAVEEA1RE25.15REPLACE SHEAVE BEARINGEA1RE25.16REPLACE DOOR DETECTOREA1RE25.17REPLACE CAR DOOR SAFETY CONTACTSEA1R						
E25.15 REPLACE SHEAVE BEARING EA 1 R E25.16 REPLACE DOOR DETECTOR EA 1 R E25.17 REPLACE CAR DOOR SAFETY EA 1 R CONTACTS						
E25.16     REPLACE DOOR DETECTOR     EA     1     R       E25.17     REPLACE CAR DOOR SAFETY CONTACTS     EA     1     R						
E25.17 REPLACE CAR DOOR SAFETY EA 1 R CONTACTS						
CONTACTS	_					
					'	'
SUB TOTAL LIFT 25						
			SUB TOTAL LIFT 25			R

E26.1	26	REPLACEMENT MOTOR	EA	1	R
E26.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E26.3		REPLACE GEARBOX	EA	1	R
E26.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E26.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E26.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E26.7		REPLACE MAIN ROPE CABLE	EA	1	R
E26.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E26.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E26.10		REPLACE CAR SHOE	EA	1	R
E26.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E26.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E26.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E26.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E26.15		REPLACE SHEAVE BEARING	EA	1	R
E26.16		REPLACE DOOR DETECTOR	EA	1	R
E26.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 26			R
E27.1	27	REPLACEMENT MOTOR	EA	1	R
E27.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E27.3		REPLACE GEARBOX	EA	1	R
E27.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E27.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E27.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E27.7		REPLACE MAIN ROPE CABLE	EA	1	R
E27.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E27.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E27.10		REPLACE CAR SHOE	EA	1	R
E27.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E27.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E26.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E27.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E27.15		REPLACE SHEAVE BEARING	EA	1	R
E27.16		REPLACE DOOR DETECTOR	EA	1	R
E27.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTO		1	
		CONTACTS			
L27.17		CONTACTS			
		SUB TOTAL LIFT 27			R

E28.1	28	REPLACEMENT MOTOR	EA	1	R
E28.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E28.3		REPLACE GEARBOX	EA	1	R
E28.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E28.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E28.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E28.7		REPLACE MAIN ROPE CABLE	EA	1	R
E28.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E28.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E28.10		REPLACE CAR SHOE	EA	1	R
E28.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E28.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E28.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E28.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E28.15		REPLACE SHEAVE BEARING	EA	1	R
E28.16		REPLACE DOOR DETECTOR	EA	1	R
E28.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 28			R
E29.1	29	REPLACEMENT MOTOR	EA	1	R
E29.1	23	REPLACMENT MAIN MOTOR	EA	1	R
L23.2		BEARINGS		'	
E29.3		REPLACE GEARBOX	EA	1	R
E29.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E29.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS		•	
E29.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E29.7		REPLACE MAIN ROPE CABLE	EA	1	R
E29.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E29.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E29.10		REPLACE CAR SHOE	EA	1	R
E29.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E29.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E29.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E29.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E29.15		REPLACE SHEAVE BEARING	EA	1	R
F66 16	1	REPLACE DOOR DETECTOR	EA	1	R
E29.16					
E29.16 E29.17		REPLACE CAR DOOR SAFETY	EA	1	R
_		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		CONTACTS	EA	1	
			EA	1	R R

E30.1	30	REPLACEMENT MOTOR	EA	1	R
E30.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E30.3		REPLACE GEARBOX	EA	1	R
E30.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E30.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E30.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E30.7		REPLACE MAIN ROPE CABLE	EA	1	R
E30.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E30.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E30.10		REPLACE CAR SHOE	EA	1	R
E30.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E30.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E30.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E30.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E30.15		REPLACE SHEAVE BEARING	EA	1	R
E30.16		REPLACE DOOR DETECTOR	EA	1	R
E30.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 30			R
E31.1	31	REPLACEMENT MOTOR	EA	1	R
E31.1	31	REPLACEMENT MOTOR REPLACMENT MAIN MOTOR	EA	1	R
E31.2		BEARINGS	EA		I N
E31.3		REPLACE GEARBOX	EA	1	R
E31.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E31.5		REPLACE MACHINE BRAKE AND	EA	1	R
201.0		LININGS		'	
E31.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E31.7		REPLACE MAIN ROPE CABLE			+
			I EA	1	I K
E31.8		REPLACE MAIN DRIVE UNIT	EA EA	1	R R
E31.8 E31.9			EA EA		
		REPLACE MAIN DRIVE UNIT	EA	1	R
		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR	EA	1	R
E31.9		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER	EA EA	1	R R
E31.9		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE	EA EA	1 1	R R R
E31.9 E31.10 E31.11		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE	EA EA EA EA	1 1 1 1	R R R R
E31.9 E31.10 E31.11 E31.12		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG	EA EA EA EA	1 1 1 1	R R R R
E31.10 E31.11 E31.12 E31.13		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF	EA EA EA EA EA	1 1 1 1 1	R R R R R
E31.9 E31.10 E31.11 E31.12 E31.13 E31.14		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE	EA EA EA EA EA EA	1 1 1 1 1 1	R R R R R R
E31.9 E31.10 E31.11 E31.12 E31.13 E31.14 E31.15		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING	EA EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R R
E31.9 E31.10 E31.11 E31.12 E31.13 E31.14 E31.15 E31.16		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR	EA EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R R R
E31.9 E31.10 E31.11 E31.12 E31.13 E31.14 E31.15 E31.16		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR REPLACE CAR DOOR SAFETY CONTACTS	EA EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R R R R
E31.9 E31.10 E31.11 E31.12 E31.13 E31.14 E31.15 E31.16		REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R R R

E32.1	32	REPLACEMENT MOTOR	EA	1	R
E32.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E32.3		REPLACE GEARBOX	EA	1	R
E32.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E32.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E32.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E32.7		REPLACE MAIN ROPE CABLE	EA	1	R
E32.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E32.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E32.10		REPLACE CAR SHOE	EA	1	R
E32.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E32.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E32.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E32.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E32.15		REPLACE SHEAVE BEARING	EA	1	R
E32.16		REPLACE DOOR DETECTOR	EA	1	R
E32.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 32			R
E22.4	22	DEDLACEMENT MOTOR	ΕΛ	1	l <sub>D</sub>
E33.1	33	REPLACEMENT MOTOR	EA	1	R R
E33.2		REPLACMENT MAIN MOTOR BEARINGS	EA	Į Į	K
E33.3		REPLACE GEARBOX	EA	1	R
E33.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E33.5		REPLACE MACHINE BRAKE AND	EA	1	R
L33.3		LININGS		'	
E33.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E33.7		REPLACE MAIN ROPE CABLE	EA	1	R
E33.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E33.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER		'	' '
E33.10		REPLACE CAR SHOE	EA	1	R
E33.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E33.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E33.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E33.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E33.15		REPLACE SHEAVE BEARING	EA	1	R
E33.16		REPLACE DOOR DETECTOR	EA	1	R
E33.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
L					
		SUB TOTAL LIFT 33			R

E34.1 E34.2 E34.3 E34.4 E34.5 E34.6 E34.7 E34.8	33	REPLACEMENT MOTOR REPLACMENT MAIN MOTOR BEARINGS	EA EA	1	R R
E34.4 E34.5 E34.6 E34.7					
E34.4 E34.5 E34.6 E34.7					1
E34.5 E34.6 E34.7		REPLACE GEARBOX	EA	1	R
E34.6 E34.7		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E34.7		REPLACE MACHINE BRAKE AND	EA	1	R
E34.7		LININGS			
		REPLACE MACHINE BRAKE COIL	EA	1	R
E34.8		REPLACE MAIN ROPE CABLE	EA	1	R
		REPLACE MAIN DRIVE UNIT	EA	1	R
E34.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E34.10		REPLACE CAR SHOE	EA	1	R
E34.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E34.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E34.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E34.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E34.15		REPLACE SHEAVE BEARING	EA	1	R
E34.16		REPLACE DOOR DETECTOR	EA	1	R
E34.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 34			R
	35	REPLACEMENT MOTOR	EA	1	R
E35.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E35.3		REPLACE GEARBOX	EA	1	R
E35.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E35.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E35.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E35.7		REPLACE MAIN ROPE CABLE	EA	1	R
E35.7		REPLACE MAIN DRIVE UNIT	EA	1	R
E35.6		REPLACE ELECTRONIC DOOR	EA	1	R
L33.8		SCANNER			
E35.10		REPLACE CAR SHOE	EA	1	R
E35.10		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E35.11		REPLACE DOOR DRIVE ANALOG	EA	1	R
E35.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E35.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E35.15		REPLACE SHEAVE BEARING	EA	1	R
E35.16		REPLACE DOOR DETECTOR	EA	1	R
E35.17		REPLACE CAR DOOR SAFETY	EA	1	R
200.17		CONTACTS		'	
<del></del>		SUB TOTAL LIFT 35			R

E36.1	36	REPLACEMENT MOTOR	EA	1	R
E36.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E36.3		REPLACE GEARBOX	EA	1	R
E36.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E36.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E36.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E36.7		REPLACE MAIN ROPE CABLE	EA	1	R
E36.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E36.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E36.10		REPLACE CAR SHOE	EA	1	R
E36.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E36.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E36.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E36.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E36.15		REPLACE SHEAVE BEARING	EA	1	R
E36.16		REPLACE DOOR DETECTOR	EA	1	R
E36.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
					_
		SUB TOTAL LIFT 36			R
E37.1	37	REPLACEMENT MOTOR	EA	1	R
E37.1	31	REPLACEMENT MOTOR	EA	1	R
L31.2		BEARINGS	LA		
E37.3		REPLACE GEARBOX	EA	1	R
E37.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E37.5		REPLACE MACHINE BRAKE AND	EA	1	R
207.0		LININGS			
E37.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E37.7		REPLACE MAIN ROPE CABLE	EA	1	R
E37.8		REPLACE MAIN DRIVE UNIT	EA	1	R
	1				
E37.9		REPLACE ELECTRONIC DOOR	EA	1	R
⊑37.9		SCANNER	EA	1	R
E37.9			EA EA	1	R
		SCANNER			
E37.10		SCANNER REPLACE CAR SHOE	EA	1	R
E37.10 E37.11		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE	EA EA	1 1	R R
E37.10 E37.11 E37.12		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG	EA EA EA	1 1 1	R R R
E37.10 E37.11 E37.12 E37.13		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF	EA EA EA EA	1 1 1	R R R R
E37.10 E37.11 E37.12 E37.13 E37.14		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE	EA EA EA EA	1 1 1 1	R R R R
E37.10 E37.11 E37.12 E37.13 E37.14 E37.15		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING	EA EA EA EA EA	1 1 1 1 1	R R R R R
E37.10 E37.11 E37.12 E37.13 E37.14 E37.15 E37.16		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR	EA EA EA EA EA EA	1 1 1 1 1 1	R R R R R R
E37.10 E37.11 E37.12 E37.13 E37.14 E37.15 E37.16		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR REPLACE CAR DOOR SAFETY CONTACTS	EA EA EA EA EA EA	1 1 1 1 1 1	R R R R R R R
E37.10 E37.11 E37.12 E37.13 E37.14 E37.15 E37.16		SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA	1 1 1 1 1 1	R R R R R R

E38.1	38	REPLACEMENT MOTOR	EA	1	R
E38.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E38.3		REPLACE GEARBOX	EA	1	R
E38.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E38.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E38.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E38.7		REPLACE MAIN ROPE CABLE	EA	1	R
E38.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E38.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E38.10		REPLACE CAR SHOE	EA	1	R
E38.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E38.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E38.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E38.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E38.15		REPLACE SHEAVE BEARING	EA	1	R
E38.16		REPLACE DOOR DETECTOR	EA	1	R
E38.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 38			R
E39.1	39	REPLACEMENT MOTOR	EA	1	R
E39.1	39	REPLACEMENT MOTOR	EA	1	R
E39.Z		BEARINGS	EA	1	K
E39.3		REPLACE GEARBOX	EA	1	R
E39.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E39.5		REPLACE MACHINE BRAKE AND	EA	1	R
L00.0		LININGS		'	
E39.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E39.7		REPLACE MAIN ROPE CABLE	EA	1	R
E39.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E39.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E39.10		REPLACE CAR SHOE	EA	1	R
E39.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E39.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E39.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E39.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E39.15		REPLACE SHEAVE BEARING	EA	1	R
E39.16		REPLACE DOOR DETECTOR	EA	1	R
E39.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
1	1	SUB TOTAL LIFT 39			R
		30D TOTAL LIFT 39			K

E40.1	40	REPLACEMENT MOTOR	EA	1	R
E40.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E40.3		REPLACE GEARBOX	EA	1	R
E40.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E40.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E40.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E40.7		REPLACE MAIN ROPE CABLE	EA	1	R
E40.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E40.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E40.10		REPLACE CAR SHOE	EA	1	R
E40.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E40.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E40.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E40.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E40.15		REPLACE SHEAVE BEARING	EA	1	R
E40.16		REPLACE DOOR DETECTOR	EA	1	R
E40.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 40			R
E41.1	41	REPLACEMENT MOTOR	EA	1	R
E41.1	41	REPLACEMENT MOTOR	EA	1	R
C41.Z		BEARINGS	LA	'	
E41.3		REPLACE GEARBOX	EA	1	R
E41.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E41.5		REPLACE MACHINE BRAKE AND	EA	1	R
L41.5		LININGS		'	
E41.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E41.7		REPLACE MAIN ROPE CABLE	EA	1	R
E41.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E41.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E41.10		REPLACE CAR SHOE	EA	1	R
E41.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E41.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E41.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E41.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E41.15		REPLACE SHEAVE BEARING	EA	1	R
E41.16		REPLACE DOOR DETECTOR	EA	1	R
E41.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
1					
		SUB TOTAL LIFT 41			R

E42.1	42	REPLACEMENT MOTOR	EA	1	R
E42.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E42.3		REPLACE GEARBOX	EA	1	R
E42.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E42.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E42.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E42.7		REPLACE MAIN ROPE CABLE	EA	1	R
E42.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E42.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E42.10		REPLACE CAR SHOE	EA	1	R
E42.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E42.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E42.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E42.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E42.15		REPLACE SHEAVE BEARING	EA	1	R
E42.16		REPLACE DOOR DETECTOR	EA	1	R
E42.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 42			R
E43.1	43	REPLACEMENT MOTOR	EA	1	R
E43.1	43	REPLACEMENT MOTOR  REPLACMENT MAIN MOTOR	EA	1	R
L43.2		BEARINGS		'	
E43.3		REPLACE GEARBOX	EA	1	R
E43.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E43.5		REPLACE MACHINE BRAKE AND	EA	1	R
2 10.0		LININGS		'	
E43.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E43.7		REPLACE MAIN ROPE CABLE	EA	1	R
E43.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E43.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E43.10		REPLACE CAR SHOE	EA	1	R
E43.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E43.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E43.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E43.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E43.15		REPLACE SHEAVE BEARING	EA	1	R
E43.16		REPLACE DOOR DETECTOR	EA	1	R
E43.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 43			R

E44.1 4 E44.2 E44.3 E44.4 E44.5 E44.6 E44.7 E44.8 E44.9		REPLACEMENT MOTOR REPLACMENT MAIN MOTOR BEARINGS REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND	EA EA EA	1	R R
E44.3 E44.4 E44.5 E44.6 E44.7 E44.8		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS			R
E44.4 E44.5 E44.6 E44.7 E44.8		REPLACE MAIN MOTOR OIL SEALS			R
E44.5 E44.6 E44.7 E44.8			EA	- t	
E44.6 E44.7 E44.8		REDI ACE MACHINE BRAKE AND		1	R
E44.7 E44.8		I ILLI LAGE MAGININE DIVANE AND	EA	1	R
E44.7 E44.8		LININGS			
E44.8		REPLACE MACHINE BRAKE COIL	EA	1	R
		REPLACE MAIN ROPE CABLE	EA	1	R
E44.9		REPLACE MAIN DRIVE UNIT	EA	1	R
		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E44.10		REPLACE CAR SHOE	EA	1	R
E44.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E44.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E44.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E44.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E44.15		REPLACE SHEAVE BEARING	EA	1	R
E44.16		REPLACE DOOR DETECTOR	EA	1	R
E44.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 44			R
L					
	45	REPLACEMENT MOTOR	EA	1	R
E45.2		REPLACMENT MAIN MOTOR	EA	1	R
E 45 0		BEARINGS			<del></del>
E45.3		REPLACE GEARBOX	EA	1	R
E45.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E45.5		REPLACE MACHINE BRAKE AND	EA	1	R
E45.6		LININGS     REPLACE MACHINE BRAKE COIL	ΕΛ	1	
E45.6 E45.7		REPLACE MAIN ROPE CABLE	EA EA	1	R R
		REPLACE MAIN DRIVE UNIT	EA	1	R
E45.8 E45.9		REPLACE ELECTRONIC DOOR	EA	1	R
L45.8		SCANNER	EA	'	
E45.10		REPLACE CAR SHOE	EA	1	R
E45.10		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E45.11		REPLACE DOOR DRIVE ANALOG	EA	1	R
E45.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E45.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E45.15		REPLACE SHEAVE BEARING	EA	1	R
E45.16		REPLACE DOOR DETECTOR	EA	1	R
E45.17		REPLACE CAR DOOR SAFETY	EA	1	R
_ 10.17		CONTACTS		'	
		SUB TOTAL LIFT 45			R

E46.1	46	REPLACEMENT MOTOR	EA	1	R
E46.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E46.3		REPLACE GEARBOX	EA	1	R
E46.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E46.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E46.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E46.7		REPLACE MAIN ROPE CABLE	EA	1	R
E46.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E46.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E46.10		REPLACE CAR SHOE	EA	1	R
E46.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E46.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E46.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E46.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E46.15		REPLACE SHEAVE BEARING	EA	1	R
E46.16		REPLACE DOOR DETECTOR	EA	1	R
E46.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 46			R
E47.1	47	REPLACEMENT MOTOR	EA	1	R
E47.2		REPLACMENT MAIN MOTOR	EA	1	R
F 47.0		BEARINGS			
E47.3		REPLACE GEARBOX	EA	1	R
E47.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E47.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E47.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E47.7		REPLACE MAIN ROPE CABLE	EA	1	R
E47.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E47.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER		'	' '
E47.10		REPLACE CAR SHOE	EA	1	R
E47.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E47.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E47.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E47.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E47.15		REPLACE SHEAVE BEARING	EA	1	R
E47.16		REPLACE DOOR DETECTOR	EA	1	R
E47.17		REPLACE CAR DOOR SAFETY	EA	1	R
1	I	CONTACTS			
		SUB TOTAL LIFT 47			R

E48.1	48	REPLACEMENT MOTOR	EA	1	R
E48.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E48.3		REPLACE GEARBOX	EA	1	R
E48.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E48.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E48.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E48.7		REPLACE MAIN ROPE CABLE	EA	1	R
E48.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E48.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E48.10		REPLACE CAR SHOE	EA	1	R
E48.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E48.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E48.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E48.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E48.15		REPLACE SHEAVE BEARING	EA	1	R
E48.16		REPLACE DOOR DETECTOR	EA	1	R
E48.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 48			R
E49.1	49	REPLACEMENT MOTOR	EA	1	R
E49.2		REPLACMENT MAIN MOTOR	EA	1	R
i				'	
		BEARINGS		•	
E49.3		REPLACE GEARBOX	EA	1	R
E49.4		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS	EA	1 1	R
		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND		1	
E49.4 E49.5		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS	EA EA	1 1	R R
E49.4 E49.5		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL	EA EA	1 1 1	R R R
E49.4 E49.5 E49.6 E49.7		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE	EA EA EA	1 1 1	R R R R
E49.4 E49.5 E49.6 E49.7 E49.8		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT	EA EA EA EA	1 1 1 1 1	R R R R R
E49.4 E49.5 E49.6 E49.7		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR	EA EA EA	1 1 1	R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER	EA EA EA EA EA	1 1 1 1 1 1	R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE	EA EA EA EA EA	1 1 1 1 1 1	R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE	EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG	EA EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF	EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1	R R R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13 E49.14		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE MAIN DRIVE SHEAVE	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13 E49.14 E49.15		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13 E49.14 E49.15 E49.16		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR	EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13 E49.14 E49.15		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE SHEAVE BEARING REPLACE SHEAVE BEARING REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13 E49.14 E49.15 E49.16		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE DOOR DETECTOR	EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13 E49.14 E49.15 E49.16		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING REPLACE CAR DOOR SAFETY CONTACTS	EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R
E49.4 E49.5 E49.6 E49.7 E49.8 E49.9 E49.10 E49.11 E49.12 E49.13 E49.14 E49.15 E49.16		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS REPLACE MACHINE BRAKE AND LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE REPLACE MAIN DRIVE UNIT REPLACE ELECTRONIC DOOR SCANNER REPLACE CAR SHOE REPLACE COUNTERWEIGHT SHOE REPLACE DOOR DRIVE ANALOG REPLACE DOOR DRIVE VVVF REPLACE SHEAVE BEARING REPLACE SHEAVE BEARING REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R R R R R R

E50.1	50	REPLACEMENT MOTOR	EA	1	R
E50.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E50.3		REPLACE GEARBOX	EA	1	R
E50.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E50.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E50.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E50.7		REPLACE MAIN ROPE CABLE	EA	1	R
E50.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E50.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E50.10		REPLACE CAR SHOE	EA	1	R
E50.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E50.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E50.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E50.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E50.15		REPLACE SHEAVE BEARING	EA	1	R
E50.16		REPLACE DOOR DETECTOR	EA	1	R
E50.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 50			R
E51.1	51	REPLACEMENT MOTOR	EA	1	R
E51.2	31	REPLACMENT MAIN MOTOR	EA	1	R
L01.2		BEARINGS		'	
E51.3		REPLACE GEARBOX	EA	1	R
E51.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E51.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E51.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E51.7		REPLACE MAIN ROPE CABLE	EA	1	R
E51.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E51.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E51.10		REPLACE CAR SHOE	EA	1	R
E51.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E51.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E51.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E51.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E51.15		REPLACE SHEAVE BEARING	EA	1	R
E51.16		REPLACE DOOR DETECTOR	EA	1	R
		DEDLACE CAR DOOR CAFETY	EA	1	R
E51.17		REPLACE CAR DOOR SAFETY	EA		'
		CONTACTS	EA	Į.	'`
		CONTACTS	EA	1	
			EA	1	R

E52.1 E52.2 E52.3 E52.4 E52.5	52	REPLACEMENT MOTOR REPLACMENT MAIN MOTOR BEARINGS	EA EA	1	R R
E52.3 E52.4		BEARINGS			
E52.4					
-		REPLACE GEARBOX	EA	1	R
E52.5		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
· ·		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E52.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E52.7		REPLACE MAIN ROPE CABLE	EA	1	R
E52.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E52.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E52.10		REPLACE CAR SHOE	EA	1	R
E52.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E52.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E52.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E52.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E52.15		REPLACE SHEAVE BEARING	EA	1	R
E52.16		REPLACE DOOR DETECTOR	EA	1	R
E52.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 52			R
-	53	REPLACEMENT MOTOR	EA	1	R
E53.2		REPLACMENT MAIN MOTOR	EA	1	R
<b>550.0</b>		BEARINGS			
E53.3		REPLACE GEARBOX	EA	1	R
E53.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E53.5		REPLACE MACHINE BRAKE AND	EA	1	R
F52.6		REPLACE MACHINE BRAKE COIL	ΕΛ	1	D
E53.6 E53.7		REPLACE MAIN ROPE CABLE	EA EA	1	R R
		REPLACE MAIN DRIVE UNIT	EA	1	R
E53.8 E53.9		REPLACE ELECTRONIC DOOR	EA	1	R
<b>⊑</b> 55.9		SCANNER	EA	'	
E53.10		REPLACE CAR SHOE	EA	1	R
E53.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E53.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E53.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E53.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E53.15		REPLACE SHEAVE BEARING	EA	1	R
E53.16		REPLACE DOOR DETECTOR	EA	1	R
E53.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS		'	
Ι Τ					
		SUB TOTAL LIFT 53			R

E54.1 54 REPLACEMENT MOTOR E54.2 REPLACMENT MAIN MOTOR BEARINGS E54.3 REPLACE GEARBOX E54.4 REPLACE MAIN MOTOR OIL SEALS E54.5 REPLACE MACHINE BRAKE AND LININGS E54.6 REPLACE MACHINE BRAKE COIL E54.7 REPLACE MAIN ROPE CABLE E54.8 REPLACE MAIN DRIVE UNIT E54.9 REPLACE CAR SHOE E54.10 REPLACE COUNTERWEIGHT SHO E54.11 REPLACE COUNTERWEIGHT SHO E54.12 REPLACE DOOR DRIVE VVVF E54.14 REPLACE DOOR DRIVE VVVF E54.15 REPLACE DOOR DETECTOR E54.16 REPLACE DOOR DETECTOR E54.17 REPLACE CAR DOOR SAFETY CONTACTS  SUB TOTAL LIFT 54  E55.1 55 REPLACEMENT MOTOR E55.2 REPLACE MAIN MOTOR OIL SEALS E55.3 REPLACE GEARBOX E55.4 REPLACE MAIN MOTOR OIL SEALS E55.5 REPLACE MACHINE BRAKE AND LININGS E55.6 REPLACE MACHINE BRAKE AND LININGS E55.7 REPLACE MACHINE BRAKE AND LININGS E55.8 REPLACE MACHINE BRAKE COIL E55.7 REPLACE MAIN ROPE CABLE E55.8 REPLACE MAIN ROPE CABLE E55.9 REPLACE MAIN DRIVE UNIT E55.9 REPLACE CAR SHOE E55.10 REPLACE CAR SHOE E55.11 REPLACE COUNTERWEIGHT SHO E55.12 REPLACE COUNTERWEIGHT SHO E55.13 REPLACE COUNTERWEIGHT SHO E55.14 REPLACE COUNTERWEIGHT SHO E55.15 REPLACE DOOR DRIVE ANALOG E55.11 REPLACE COUNTERWEIGHT SHO E55.12 REPLACE DOOR DRIVE ANALOG E55.13 REPLACE DOOR DRIVE ANALOG E55.14 REPLACE SHEAVE BEARING E55.16 REPLACE SHEAVE BEARING E55.16 REPLACE DOOR DRIVE SHEAVE E55.16 REPLACE SHEAVE BEARING E55.16 REPLACE DOOR DRIVE SHEAVE E55.16 REPLACE DOOR DRIVE SHEAVE E55.16 REPLACE DOOR DRIVE SHEAVE E55.16 REPLACE SHEAVE BEARING E55.16 REPLACE DOOR DRIVE SHEAVE E55.17 REPLACE CAR DOOR SAFETY	EA	1	R
E54.4 REPLACE MAIN MOTOR OIL SEALS E54.4 REPLACE MAIN MOTOR OIL SEALS E54.5 REPLACE MACHINE BRAKE AND LININGS E54.6 REPLACE MACHINE BRAKE COIL E54.7 REPLACE MAIN ROPE CABLE E54.8 REPLACE MAIN DRIVE UNIT E54.9 REPLACE CAR SHOE E54.10 REPLACE COUNTERWEIGHT SHO E54.11 REPLACE DOOR DRIVE ANALOG E54.12 REPLACE DOOR DRIVE ANALOG E54.13 REPLACE MAIN DRIVE SHEAVE E54.14 REPLACE MAIN DRIVE SHEAVE E54.15 REPLACE MAIN DRIVE SHEAVE E54.16 REPLACE DOOR DETECTOR E54.17 REPLACE CAR DOOR SAFETY CONTACTS  SUB TOTAL LIFT 54  E55.1 55 REPLACEMENT MOTOR E55.2 REPLACE MAIN MOTOR OIL SEALS E55.4 REPLACE MAIN MOTOR OIL SEALS E55.5 REPLACE MACHINE BRAKE AND LININGS E55.6 REPLACE MACHINE BRAKE COIL E55.7 REPLACE MACHINE BRAKE COIL E55.7 REPLACE MACHINE BRAKE COIL E55.7 REPLACE MACHINE BRAKE COIL E55.1 REPLACE MAIN DRIVE UNIT E55.9 REPLACE MAIN DRIVE UNIT E55.9 REPLACE CAR SHOE E55.11 REPLACE CAR SHOE E55.11 REPLACE CAR SHOE E55.11 REPLACE COUNTERWEIGHT SHO E55.12 REPLACE DOOR DRIVE ANALOG E55.13 REPLACE DOOR DRIVE ANALOG E55.14 REPLACE DOOR DRIVE ANALOG E55.13 REPLACE DOOR DRIVE ANALOG E55.14 REPLACE MAIN DRIVE SHEAVE E55.15 REPLACE MAIN DRIVE SHEAVE E55.16 REPLACE SHEAVE BEARING E55.16 REPLACE SHEAVE BEARING	EA	1	R
E54.4 REPLACE MAIN MOTOR OIL SEALS E54.5 REPLACE MACHINE BRAKE AND LININGS E54.6 REPLACE MACHINE BRAKE COIL E54.7 REPLACE MAIN ROPE CABLE E54.8 REPLACE MAIN DRIVE UNIT E54.9 REPLACE ELECTRONIC DOOR SCANNER E54.10 REPLACE COUNTERWEIGHT SHO E54.11 REPLACE DOOR DRIVE ANALOG E54.12 REPLACE DOOR DRIVE VVVF E54.14 REPLACE MAIN DRIVE SHEAVE E54.15 REPLACE SHEAVE BEARING E54.16 REPLACE DOOR DETECTOR E54.17 REPLACE CAR DOOR SAFETY CONTACTS  SUB TOTAL LIFT 54  E55.1 S5 REPLACEMENT MOTOR E55.2 REPLACE MAIN MOTOR OIL SEALS E55.3 REPLACE MAIN MOTOR OIL SEALS E55.4 REPLACE MAIN MOTOR OIL SEALS E55.5 REPLACE MACHINE BRAKE AND LININGS E55.6 REPLACE MAIN ROPE CABLE E55.7 REPLACE MAIN ROPE CABLE E55.8 REPLACE MAIN DRIVE UNIT E55.9 REPLACE ELECTRONIC DOOR SCANNER E55.10 REPLACE CAR SHOE E55.11 REPLACE CAR SHOE E55.11 REPLACE COUNTERWEIGHT SHO E55.12 REPLACE DOOR DRIVE VVVF E55.14 REPLACE DOOR DRIVE ANALOG E55.15 REPLACE MAIN DRIVE SHEAVE E55.11 REPLACE COUNTERWEIGHT SHO E55.12 REPLACE DOOR DRIVE ANALOG E55.13 REPLACE MAIN DRIVE SHEAVE E55.15 REPLACE MAIN DRIVE SHEAVE E55.15 REPLACE MAIN DRIVE SHEAVE E55.15 REPLACE MAIN DRIVE SHEAVE E55.16 REPLACE SHEAVE BEARING E55.16 REPLACE SHEAVE BEARING			
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CONTACTS	-/ \		
	ı		
SUB TOTAL LIFT 55			1_
			R

E56.1	56	REPLACEMENT MOTOR	EA	1	R
E56.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E56.3		REPLACE GEARBOX	EA	1	R
E56.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E56.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E56.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E56.7		REPLACE MAIN ROPE CABLE	EA	1	R
E56.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E56.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E56.10		REPLACE CAR SHOE	EA	1	R
E56.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E56.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E56.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E56.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E56.15		REPLACE SHEAVE BEARING	EA	1	R
E56.16		REPLACE DOOR DETECTOR	EA	1	R
E56.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 56			R
F = 7 4		DEDI A CEMENT MOTOR			
E57.1	57	REPLACEMENT MOTOR	EA	1	R
E57.2		REPLACMENT MAIN MOTOR	EA	1	R
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E57.3 E57.4		REPLACE GEARBOX REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E57.4 E57.5		REPLACE MACHINE BRAKE AND	EA	1	R
□ □ 37.3		LININGS	EA	l I	K
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E57.7		REPLACE MAIN ROPE CABLE	EA	1	R
E57.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E57.9		REPLACE ELECTRONIC DOOR	EA	1	R
LU1.3		SCANNER	-/ \	'	'`
E57.10		REPLACE CAR SHOE	EA	1	R
E57.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E57.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E57.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E57.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E57.15		REPLACE SHEAVE BEARING	EA	1	R
E57.16		REPLACE DOOR DETECTOR	EA	1	R
E57.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 57			R
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E58.1 58 REPLACEMENT MOTOR EA E58.2 REPLACMENT MAIN MOTOR EA BEARINGS E58.3 REPLACE GEARBOX EA E58.4 REPLACE MAIN MOTOR OIL SEALS EA E58.5 REPLACE MACHINE BRAKE AND EA LININGS E58.6 REPLACE MACHINE BRAKE COIL EA E58.7 REPLACE MAIN ROPE CABLE EA E58.8 REPLACE MAIN DRIVE UNIT EA E58.9 REPLACE ELECTRONIC DOOR EA SCANNER E58.10 REPLACE COUNTERWEIGHT SHOE EA E58.11 REPLACE DOOR DRIVE ANALOG EA E58.12 REPLACE MAIN DRIVE SHEAVE EA E58.14 REPLACE MAIN DRIVE SHEAVE EA E58.15 REPLACE SHEAVE BEARING EA E58.16 REPLACE CAR DOOR SAFETY EA CONTACTS  SUB TOTAL LIFT 58  E59.1 59 REPLACEMENT MOTOR EA E59.2 REPLACE MAIN MOTOR EA E59.3 REPLACE GEARBOX EA E59.4 REPLACE MAIN MOTOR OIL SEALS EA E59.5 REPLACE MAIN MOTOR OIL SEALS EA E59.6 REPLACE MAIN MOTOR OIL SEALS EA E59.7 REPLACE MAIN MOTOR OIL SEALS EA E59.8 REPLACE MAIN MOTOR OIL SEALS EA E59.9 REPLACE MAIN MOTOR OIL SEALS EA E59.1 REPLACE MACHINE BRAKE AND EA LININGS E59.1 REPLACE MACHINE BRAKE COIL EA E59.1 REPLACE MACHINE BRAKE COIL EA E59.1 REPLACE MAIN ROPE CABLE EA E59.1 REPLACE MAIN DRIVE UNIT EA E59.1 REPLACE MAIN ROPE CABLE EA E59.1 REPLACE ELECTRONIC DOOR EA E59.1 REPLACE ELECTRONIC DOOR EA E59.1 REPLACE CAR SHOE EA E59.1 REPLACE CAR SHOE EA E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE MAIN DRIVE SHEAVE EA E59.15 REPLACE SHEAVE BEARING	1 1 1 1 1 1 1	R R R R R
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E58.15 REPLACE SHEAVE BEARING EA E58.16 REPLACE DOOR DETECTOR EA E58.17 REPLACE CAR DOOR SAFETY CONTACTS  SUB TOTAL LIFT 58  E59.1 59 REPLACEMENT MOTOR EA E59.2 REPLACEMENT MAIN MOTOR EA BEARINGS E59.3 REPLACE GEARBOX EA E59.4 REPLACE MAIN MOTOR OIL SEALS EA E59.5 REPLACE MACHINE BRAKE AND LININGS E59.6 REPLACE MACHINE BRAKE COIL EA E59.7 REPLACE MAIN ROPE CABLE EA E59.8 REPLACE MAIN DRIVE UNIT EA E59.9 REPLACE ELECTRONIC DOOR SCANNER E59.10 REPLACE CAR SHOE EA E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE DOOR DRIVE ANALOG EA E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
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E59.1 59 REPLACEMENT MOTOR EA E59.2 REPLACMENT MAIN MOTOR EA BEARINGS E59.3 REPLACE GEARBOX EA E59.4 REPLACE MAIN MOTOR OIL SEALS EA E59.5 REPLACE MACHINE BRAKE AND EA LININGS E59.6 REPLACE MACHINE BRAKE COIL EA E59.7 REPLACE MAIN ROPE CABLE EA E59.8 REPLACE MAIN DRIVE UNIT EA E59.9 REPLACE ELECTRONIC DOOR EA SCANNER E59.10 REPLACE CAR SHOE EA E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE DOOR DRIVE ANALOG EA E59.13 REPLACE MAIN DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE		
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BEARINGS E59.3 REPLACE GEARBOX E59.4 REPLACE MAIN MOTOR OIL SEALS E59.5 REPLACE MACHINE BRAKE AND LININGS E59.6 REPLACE MACHINE BRAKE COIL E59.7 REPLACE MAIN ROPE CABLE E59.8 REPLACE MAIN DRIVE UNIT EA E59.9 REPLACE ELECTRONIC DOOR SCANNER E59.10 REPLACE CAR SHOE E59.11 REPLACE COUNTERWEIGHT SHOE E59.12 REPLACE DOOR DRIVE ANALOG E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
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LININGS  E59.6 REPLACE MACHINE BRAKE COIL EA  E59.7 REPLACE MAIN ROPE CABLE EA  E59.8 REPLACE MAIN DRIVE UNIT EA  E59.9 REPLACE ELECTRONIC DOOR EA  SCANNER  E59.10 REPLACE CAR SHOE EA  E59.11 REPLACE COUNTERWEIGHT SHOE EA  E59.12 REPLACE DOOR DRIVE ANALOG EA  E59.13 REPLACE DOOR DRIVE VVVF EA  E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R R
E59.6 REPLACE MACHINE BRAKE COIL EA E59.7 REPLACE MAIN ROPE CABLE EA E59.8 REPLACE MAIN DRIVE UNIT EA E59.9 REPLACE ELECTRONIC DOOR EA SCANNER E59.10 REPLACE CAR SHOE EA E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE DOOR DRIVE ANALOG EA E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE	1	K
E59.7 REPLACE MAIN ROPE CABLE E59.8 REPLACE MAIN DRIVE UNIT EA E59.9 REPLACE ELECTRONIC DOOR SCANNER E59.10 REPLACE CAR SHOE E59.11 REPLACE COUNTERWEIGHT SHOE E59.12 REPLACE DOOR DRIVE ANALOG E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
E59.8 REPLACE MAIN DRIVE UNIT EA E59.9 REPLACE ELECTRONIC DOOR EA SCANNER E59.10 REPLACE CAR SHOE EA E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE DOOR DRIVE ANALOG EA E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
E59.9 REPLACE ELECTRONIC DOOR SCANNER E59.10 REPLACE CAR SHOE EA E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE DOOR DRIVE ANALOG EA E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
SCANNER  E59.10 REPLACE CAR SHOE EA  E59.11 REPLACE COUNTERWEIGHT SHOE EA  E59.12 REPLACE DOOR DRIVE ANALOG EA  E59.13 REPLACE DOOR DRIVE VVVF EA  E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
E59.10 REPLACE CAR SHOE EA E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE DOOR DRIVE ANALOG EA E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA		
E59.11 REPLACE COUNTERWEIGHT SHOE EA E59.12 REPLACE DOOR DRIVE ANALOG EA E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA		R
E59.12REPLACE DOOR DRIVE ANALOGEAE59.13REPLACE DOOR DRIVE VVVFEAE59.14REPLACE MAIN DRIVE SHEAVEEA	l 1	R
E59.13 REPLACE DOOR DRIVE VVVF EA E59.14 REPLACE MAIN DRIVE SHEAVE EA	1	R
E59.14 REPLACE MAIN DRIVE SHEAVE EA	1 1	R
	1	R
	1	R
E59.16 REPLACE DOOR DETECTOR EA	1 1 1	R
E59.17 REPLACE CAR DOOR SAFETY EA	1 1 1	R
CONTACTS	1 1 1 1	
	1 1 1 1 1	
SUB TOTAL LIFT 59	1 1 1 1 1	
	1 1 1 1 1	R

E60.1	60	REPLACEMENT MOTOR	EA	1	R
E60.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E60.3		REPLACE GEARBOX	EA	1	R
E60.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E60.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E60.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E60.7		REPLACE MAIN ROPE CABLE	EA	1	R
E60.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E60.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E60.10		REPLACE CAR SHOE	EA	1	R
E60.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E60.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E60.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E60.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E60.15		REPLACE SHEAVE BEARING	EA	1	R
E60.16		REPLACE DOOR DETECTOR	EA	1	R
E60.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 60			R
E61.1	61	REPLACEMENT MOTOR	EA	1	R
E61.2	0.	REPLACMENT MAIN MOTOR	EA	1	R
201.2		BEARINGS			
E61.3		REPLACE GEARBOX	EA	1	R
E61.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E61.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E61.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E61.7		REPLACE MAIN ROPE CABLE	EA	1	R
E61.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E61.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E61.10		REPLACE CAR SHOE	EA	1	R
E61.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E61.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E61.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E61.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E61.15		REPLACE SHEAVE BEARING	EA	1	R
E61.16		REPLACE DOOR DETECTOR	EA	1	R
E61.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS	I	1	i
		CONTACTS			
		SUB TOTAL LIFT 61			R

E62.1	62	REPLACEMENT MOTOR	EA	1	R
E62.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E62.3		REPLACE GEARBOX	EA	1	R
E62.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E62.5		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS			
E62.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E62.7		REPLACE MAIN ROPE CABLE	EA	1	R
E62.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E62.9		REPLACE ELECTRONIC DOOR	EA	1	R
		SCANNER			
E62.10		REPLACE CAR SHOE	EA	1	R
E62.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E62.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E62.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E62.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E62.15		REPLACE SHEAVE BEARING	EA	1	R
E62.16		REPLACE DOOR DETECTOR	EA	1	R
E62.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		CUD TOTAL LIFT CO			
		SUB TOTAL LIFT 62			R
E63.1	63	REPLACEMENT MOTOR	EA	1	R
E63.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E63.3		REPLACE GEARBOX	EA	1	R
E63.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E63.5		REPLACE MACHINE BRAKE AND	_ ^		1
		REPLACE MACHINE BRAKE AND	EA	1	R
		LININGS	EA	1	R
E63.6			EA	1	R
E63.6 E63.7		LININGS			
		LININGS REPLACE MACHINE BRAKE COIL	EA	1	R
E63.7		LININGS REPLACE MACHINE BRAKE COIL REPLACE MAIN ROPE CABLE	EA EA	1 1	R R
E63.7 E63.8 E63.9		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER	EA EA EA EA	1 1 1	R R R R
E63.7 E63.8		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR	EA EA EA	1 1 1	R R R
E63.7 E63.8 E63.9 E63.10 E63.11		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE	EA EA EA EA EA	1 1 1 1	R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE	EA EA EA EA EA EA	1 1 1 1	R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF	EA EA EA EA EA EA EA	1 1 1 1 1 1 1	R R R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13 E63.14		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE	EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1	R R R R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13 E63.14 E63.15		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING	EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1	R R R R R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13 E63.14 E63.15 E63.16		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13 E63.14 E63.15		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR  REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1	R R R R R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13 E63.14 E63.15 E63.16		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13 E63.14 E63.15 E63.16		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR  REPLACE CAR DOOR SAFETY  CONTACTS	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R R
E63.7 E63.8 E63.9 E63.10 E63.11 E63.12 E63.13 E63.14 E63.15 E63.16		LININGS  REPLACE MACHINE BRAKE COIL  REPLACE MAIN ROPE CABLE  REPLACE MAIN DRIVE UNIT  REPLACE ELECTRONIC DOOR  SCANNER  REPLACE CAR SHOE  REPLACE COUNTERWEIGHT SHOE  REPLACE DOOR DRIVE ANALOG  REPLACE DOOR DRIVE VVVF  REPLACE MAIN DRIVE SHEAVE  REPLACE SHEAVE BEARING  REPLACE DOOR DETECTOR  REPLACE CAR DOOR SAFETY	EA EA EA EA EA EA EA EA EA	1 1 1 1 1 1 1 1 1 1	R R R R R R R R R

E64.1	64	REPLACEMENT MOTOR	EA	1	R
E64.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E64.3		REPLACE GEARBOX	EA	1	R
E64.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E64.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E64.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E64.7		REPLACE MAIN ROPE CABLE	EA	1	R
E64.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E64.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E64.10		REPLACE CAR SHOE	EA	1	R
E64.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E64.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E64.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E64.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E64.15		REPLACE SHEAVE BEARING	EA	1	R
E64.16		REPLACE DOOR DETECTOR	EA	1	R
E64.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 64			R
E65.1	65	REPLACEMENT MOTOR	EA	1	R
E65.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E65.3		REPLACE GEARBOX	EA	1	R
E65.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E65.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E65.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E65.7		REPLACE MAIN ROPE CABLE	EA	1	R
E65.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E65.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E65.10		REPLACE CAR SHOE	EA	1	R
E65.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E65.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E65.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E65.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E65.15		REPLACE SHEAVE BEARING	EA	1	R
E65.16		REPLACE DOOR DETECTOR	EA	1	R
E65.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
					<u> </u>
		SUB TOTAL LIFT 65			R

E66.1	66	REPLACEMENT MOTOR	EA	1	R
E66.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E66.3		REPLACE GEARBOX	EA	1	R
E66.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E66.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E66.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E66.7		REPLACE MAIN ROPE CABLE	EA	1	R
E66.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E66.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E66.10		REPLACE CAR SHOE	EA	1	R
E66.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E66.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E66.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E66.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E66.15		REPLACE SHEAVE BEARING	EA	1	R
E66.16		REPLACE DOOR DETECTOR	EA	1	R
E66.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 66			R
E67.1	67	REPLACEMENT MOTOR	EA	1	R
E67.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E67.3		REPLACE GEARBOX	EA	1	R
E67.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E67.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E67.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E67.7		REPLACE MAIN ROPE CABLE	EA	1	R
E67.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E67.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E67.10		REPLACE CAR SHOE	EA	1	R
E67.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E67.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E67.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E67.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E67.15		REPLACE SHEAVE BEARING	EA	1	R
E67.16		REPLACE DOOR DETECTOR	EA	1	R
E67.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 67			R

E68.1	68	REPLACEMENT MOTOR	EA	1	R
E68.2		REPLACMENT MAIN MOTOR	EA	1	R
E68.3	1	BEARINGS REPLACE GEARBOX	EA	1	R
		REPLACE GEARBOX  REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E68.4				+	R
E68.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	K
E68.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E68.7		REPLACE MAIN ROPE CABLE	EA	1	R
E68.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E68.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E68.10		REPLACE CAR SHOE	EA	1	R
E68.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E68.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E68.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E68.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E68.15		REPLACE SHEAVE BEARING	EA	1	R
E68.16		REPLACE DOOR DETECTOR	EA	1	R
E68.17		REPLACE CAR DOOR SAFETY	EA	1	R
		CONTACTS			
		SUB TOTAL LIFT 68			R
F60.4	69	DEDI ACEMENT MOTOR	EA	4	D
E69.1 E69.2	09	REPLACEMENT MOTOR REPLACMENT MAIN MOTOR	EA	1	R R
		BEARINGS			
E69.3		REPLACE GEARBOX	EA	1	R
E69.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E69.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E69.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E69.7		REPLACE MAIN ROPE CABLE	EA	1	R
E69.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E69.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E69.10		REPLACE CAR SHOE	EA	1	R
E69.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E69.12	1	REPLACE DOOR DRIVE ANALOG	EA	1	R
E69.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E69.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E69.15		REPLACE SHEAVE BEARING	EA	1	R
E69.16		REPLACE DOOR DETECTOR	EA	1	R
E69.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 69			R

E70.1	0.1 <b>70</b> REPLACEMENT MOTOR		EA	1	R	
E70.2		REPLACMENT MAIN MOTOR BEARINGS	R			
E70.3		REPLACE GEARBOX	EA	1 R		
E70.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R	
E70.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R	
E70.6		REPLACE MACHINE BRAKE COIL	EA	1	R	
E70.7		REPLACE MAIN ROPE CABLE	EA	1	R	
E70.8		REPLACE MAIN DRIVE UNIT	EA	1	R	
E70.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R	
E70.10		REPLACE CAR SHOE	EA	1	R	
E70.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R	
E70.12		REPLACE DOOR DRIVE ANALOG	EA	1	R	
E70.13		REPLACE DOOR DRIVE VVVF	EA	1	R	
E70.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R	
E70.15		REPLACE SHEAVE BEARING	EA	1	R	
E70.16		REPLACE DOOR DETECTOR	EA	1	R	
E70.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R	
		SUB TOTAL LIFT 70			R	
E71.1	71	REPLACEMENT MOTOR	EA	1	R	
E71.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R	
E71.3		REPLACE GEARBOX	EA	1	R	
E71.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R	
E71.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R	
E71.6		REPLACE MACHINE BRAKE COIL	EA	1	R	
E71.7		REPLACE MAIN ROPE CABLE	EA	1	R	
E71.8		REPLACE MAIN DRIVE UNIT	EA	1	R	
E71.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R	
E71.10		REPLACE CAR SHOE	EA	1	R	
E71.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R	
E74.40		REPLACE DOOR DRIVE ANALOG	EA	1	R	
E71.12		REPLACE DOOR DRIVE VVVF	EA	1 R		
E71.12 E71.13					1 R	
		REPLACE MAIN DRIVE SHEAVE	EA	1	R	
E71.13		REPLACE MAIN DRIVE SHEAVE REPLACE SHEAVE BEARING	EA EA	1 1	R R	
E71.13 E71.14						

		SUB TOTAL LIFT 71			R			
E72.1	72	REPLACEMENT MOTOR	EA	1	R			
E72.2		REPLACMENT MAIN MOTOR	EA	1	R			
		BEARINGS						
E72.3		REPLACE GEARBOX	EA	1	1 R			
E72.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R			
E72.5		REPLACE MACHINE BRAKE AND	EA	1	R			
		LININGS						
E72.6		REPLACE MACHINE BRAKE COIL	EA	1	R			
E72.7		REPLACE MAIN ROPE CABLE	EA	1	R			
E72.8		REPLACE MAIN DRIVE UNIT	EA	1	R			
E72.9		REPLACE ELECTRONIC DOOR	EA	1	R			
		SCANNER						
E72.10		REPLACE CAR SHOE	EA	1	R			
E72.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R			
E72.12		REPLACE DOOR DRIVE ANALOG	EA	1	R			
E72.13		REPLACE DOOR DRIVE VVVF	EA	1	R			
E72.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R			
E72.15		REPLACE SHEAVE BEARING	EA	1	R			
E72.16		REPLACE DOOR DETECTOR	EA	1	R			
E72.17		REPLACE CAR DOOR SAFETY	EA	1	R			
		CONTACTS						
		SUB TOTAL LIFT 72			R			
E73.1	73	REPLACEMENT MOTOR	EA	1	R			
E73.2		REPLACMENT MAIN MOTOR	EA	1	R			
		BEARINGS						
E73.3		REPLACE GEARBOX	EA	1	R			
E73.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R			
E73.5		REPLACE MACHINE BRAKE AND	EA	1	R			
		LININGS						
E73.6		REPLACE MACHINE BRAKE COIL	EA	1	R			
E73.7		REPLACE MAIN ROPE CABLE	EA	1	R			
E73.8		REPLACE MAIN DRIVE UNIT	EA	1	R			
E73.9		REPLACE ELECTRONIC DOOR	EA	1	R			
		SCANNER						
E73.10		REPLACE CAR SHOE	EA	1	R			
E73.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R			
E73.12		REPLACE DOOR DRIVE ANALOG	EA	1	R			
E73.13		REPLACE DOOR DRIVE VVVF	EA	1	R			
E73.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R			
E73.15		REPLACE SHEAVE BEARING	EA	1	R			
E73.16		REPLACE DOOR DETECTOR	EA	1	R			
E73.17		REPLACE CAR DOOR SAFETY	EA	1	R			
		CONTACTS						

		SUB TOTAL LIFT 73			R
E74.1	74	REPLACEMENT MOTOR	EA	1	R
E74.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E74.3		REPLACE GEARBOX	EA	1	R
E74.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E74.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E74.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E74.7		REPLACE MAIN ROPE CABLE	EA	1	R
E74.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E74.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E74.10		REPLACE CAR SHOE	EA	1	R
E74.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E74.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E74.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E74.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E74.15		REPLACE SHEAVE BEARING	EA	1	R
E74.16		REPLACE DOOR DETECTOR	EA	1	R
E74.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL LIFT 74			R
LIFT	75				
E75.1		REPLACEMENT MOTOR	EA	1	R
E75.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E75.3		REPLACE GEARBOX	EA	1	R
E75.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E75.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E75.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E75.7		REPLACE MAIN ROPE CABLE	EA	1	R
E75.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E75.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E75.10		REPLACE CAR SHOE	EA	1	R
E75.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E75.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E75.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E75.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E75.15		REPLACE SHEAVE BEARING	EA	1	R
E75.16		REPLACE DOOR DETECTOR	EA	1	R
E75.17		REPLACE CAR DOOR SAFETY	EA	1	R

					1
		SUB TOTAL 75			R
		OOB TOTAL 73			1
LIFT	76				
E76.1		REPLACEMENT MOTOR	EA	1	R
E76.2		REPLACMENT MAIN MOTOR	EA	1	R
		BEARINGS			
E76.3		REPLACE GEARBOX	EA	1	R
E76.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E76.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E76.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E76.7		REPLACE MAIN ROPE CABLE	EA	1	R
E76.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E76.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E76.10		REPLACE CAR SHOE	EA	1	R
E76.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E76.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E76.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E76.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E76.15		REPLACE SHEAVE BEARING	EA	1	R
E76.16		REPLACE DOOR DETECTOR	EA	1	R
E76.17		REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
		SUB TOTAL 76			R
LIFT	77				
E77.1		REPLACEMENT MOTOR	EA	1	R
E77.2		REPLACMENT MAIN MOTOR BEARINGS	EA	1	R
E77.3		REPLACE GEARBOX	EA	1	R
E77.4		REPLACE MAIN MOTOR OIL SEALS	EA	1	R
E77.5		REPLACE MACHINE BRAKE AND LININGS	EA	1	R
E77.6		REPLACE MACHINE BRAKE COIL	EA	1	R
E77.7		REPLACE MAIN ROPE CABLE	EA	1	R
E77.8		REPLACE MAIN DRIVE UNIT	EA	1	R
E77.9		REPLACE ELECTRONIC DOOR SCANNER	EA	1	R
E77.10		REPLACE CAR SHOE	EA	1	R
E77.11		REPLACE COUNTERWEIGHT SHOE	EA	1	R
E77.12		REPLACE DOOR DRIVE ANALOG	EA	1	R
E77.13		REPLACE DOOR DRIVE VVVF	EA	1	R
E77.14		REPLACE MAIN DRIVE SHEAVE	EA	1	R
E77.15		REPLACE SHEAVE BEARING	EA	1	R
E77.16		REPLACE DOOR DETECTOR	EA	1	R

E77.17	REPLACE CAR DOOR SAFETY CONTACTS	EA	1	R
	SUB TOTAL 77			R
	SUB TOTAL ADDED E1 THROUGH E77 COMBINED TOTALS			R
E78	ELECTRICAL COMPONENTS			
	CONTACTORS:			
F70.4	000// 0011 5 AMP 1 04P5	Ε.Δ	40	<u> </u>
E78.1	220V COIL, 5 AMP, LC1D5	EA	10	R
E78.2	220V COIL, 12 AMP, LCD1D12	EA	10	R
E78.3	220V COIL, 18 AMP, LCD1D18	EA	10	R R
E78.4 E78.5	220V COIL, 25 AMP, LCD1D25 220V COIL, 32 AMP, LCD1D32	EA EA	10	R
E10.3	ZZUV GOIL, 3Z AIVIP, LGD ID3Z	EA	10	I K
	LIGHTING / SWITCHES:			
E78.6	1200 x 600 light fittings complete with	EA	100	R
	defuser and tubes(LED), surface mount			
E78.7	1 light switch 15A	EA	10	R
E78.8	2 light switch 15A	EA	10	R
E78.9	3 light switch 15A	EA	10	R
	DISTRIBUTION BOX: SURFACE			
E78.10	20-way electrical DB	EA	10	R
E78.11	40-way electrical DB	EA	10	R
270.11	To way cicomical DD		10	
	ISOLATORS:			
E78.12	30A rotter lock isolator 2 pole	EA	10	R
E78.13	40A rotter lock isolator 3 phase	EA	10	R
270.13	40A Totter lock isolator 3 priase	LA	10	IX
	PVC conduit, boxes, and fittings			
	1 way side entry			
E78.14	20mm	EA	100	R
E78.15	25mm	EA	100	R
	2 way through			
E78.16	2 way through 20mm	EA	100	R
E78.17	25mm	EA	100	R

	PVC electrical conduit (Per Meter)			
E78.18	20mm	EA	100	R
E78.19	25mm	EA	100	R
E78.20	32mm	EA	100	R
E78.21	40mm	EA	100	R
E78.22	50mm	EA	100	R
	Electrical supply cabling surflex type			
E78.23	1.5 mm 3 core + E	М	100	R
E78.24	1.5 mm 4 core + E	М	100	R
E78.25	2.5 mm 3 core + E	М	100	R
E78.26	2.5 mm 4 core + E	М	100	R
E78.27	4 mm 3 core + E	М	100	R
E78.28	4 mm 4 core + E	М	100	R
F70.00	CORDED COATED STEEL FARTH COMPLICTOR			
E78.28 B	COPPER COATED STEEL EARTH CONDUCTOR			
E78.28	20.57mm solid (Dia.)	М	50	R
B1				
E78.28. B2	12.94mm solid (Dia.)	M	100	R
DZ				
E78.28.	9.36mm solid (Dia.)	М	100	R
B3	crosmin cond (crair)	IVI	100	
	W 4 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	Weatherproof Isolator surface IP 56			
	Single pole			
F70.00	00 4	Ε Δ	40	D
E78.29	20 Amp	EA	10	R
E78.30	35 Amp	EA	10	R
E78.31	55 Amp	EA	10	R
E78.32	63Amp	EA	10	R
	Double pole			
E78.33	20 Amp	EA	10	R
E78.34	35 Amp	EA	10	R
E78.35	55 Amp	EA	10	R
E78.36	63 Amp	EA	10	R
	Triple pole			
	Triple pole			

E70.27	20 Amn	EA	10	R
E78.37	20 Amp		10	
E78.38	35 Amp	EA	10	R
E78.39	55 Amp	EA	10	R
E78.40	63 Amp	EA	10	R
E78.41	80 Amp	EA	10	R
	Electrical circuit breaker			
	Single pole 230V 6ka			
E78.42	10 Amp	EA	10	R
E78.43	16 Amp	EA	10	R
E78.44	20 Amp	EA	10	R
E78.45	25 Amp	EA	10	R
E78.46	32 Amp	EA	10	R
E78.47	63 Amp (Isolator)	EA	10	R
L10.41	oo Amp (isolator)	<u> </u>	10	11
	Double pole 220\/ 6Ke			
	Double pole 230V 6Ka			
F70.40	40 A	F ^	40	<del> </del>
E78.48	10 Amp	EA	10	R
E78.49	16 Amp	EA	10	R
E78.50	20 Amp	EA	10	R
E78.51	25 Amp	EA	10	R
E78.52	32 Amp	EA	10	R
	Triple pole 400V 6 Ka			
		EA	10	R
E78.53	10 Amp	EA	10	R
E78.54	16 Amp	EA	10	R
E78.55	20 Amp	EA	10	R
E78.56	25 Amp	EA	10	R
E78.57	32 Amp	EA	10	R
E78.58	63 Amp (Isolator)	EA	10	R
27 0.00	Co / milp (reciator)		<del> </del>	
	Medium duty cable tray			
	inculari daty cable tray			
E78.59	200mm wide	EA	10	R
L10.38	ZOOMIN WILE	EA	10	11
	SUB TOTAL 78			R
	JUD IUIAL /0			K
F70	LADOUD, man bassa		-	
E79	LABOUR: per hour			
		<u> </u>		<u> </u>
E79.1	Qualified / certified elevator technician	EA	1	R
E79.2	Qualified electrician	EA	1	R
E79.3	Qualified lift inspector	EA	1	R
E79.4	Skilled labour	EA	1	R

E79.5	Unskilled labour	EA	1	R
			-	
	SUB TOTAL 79			R
E80.1	TRANSPORT: Transport cost for the	EA	500	R
	completion of work starting point from		0	
	Tshwane House CBD per km			
	SUB TOTAL 80			R
E81	Miscellaneous items			
E81.1	PCB, LCECPU NC BOARD V3F18	EA	5	R
E81.2	BATTERY 12V 7AH Lithium Iron	EA	10	R
E81.3	LCECCBe assembly	EA	5	R
E81.4	Complete drive unit KDL16S, LCE, 20A,	EA	1	R
<b>5</b> 04.5	IP23, BMV R		10	_
E81.5	Sensor PANA40 DET. STDTEL.	EA	10	R
E04.0	SLAMPOST REC.		4.0	Б
E81.6	Sensor PANA40 Controller=840000	EA	10	R
E81.7	Electromagnetic Brake QKS9/10(-1)	EA	5	R
E81.8	PCBA ASIXA 33.Q	EA	5	R
E81.9	PCB GCIOB 360.Q	EA	5	R
E81.10	Module flash progr. SW MXGC V1.33	EA	5	R
E81.11	PCBA LONIC 3.Q	EA	5	R
E81.12	PCB BCM 4201.Q	EA	5 5	R
E81.13	DR VAROSS 480 S # W CE LOC 0430	EA	5	R
E81.14	VAB033_480_S_#_W_CE_LOC_04.20 Absolute encoder AGSI	EA	5	R
E81.15	Landing lock	EA	10	R
E81.16	Car gate switch	EA	10	R
E81.17	Auxiliary landing lock switch	EA	10	R
E81.18	Car and landing door shoes	EA	10	R
E81.19	Landing door snoes  Landing door hangar	EA	10	R
E81.20	HOP arrow up	EA	10	R
E81.21	HOP arrow up + key	EA	10	R
E81.22	HOP arrow up and down	EA	10	R
E81.23	NICE 3000 controller	EA	1	R
E81.24	Emergency stop switch	EA	10	R
E81.25	Incremental Encoder	EA	1	R
E81.26	Car top inspection box	EA	4	R
E81.27	Limit switch	EA	10	R
E81.28	Levelling inductor	EA	10	R
E81.29	Pit inspection box	EA	10	R
E81.30	Pit emergency stop switch	EA	10	R
E81.31	Encoder card PGE	EA	1	R
E81.32	Trailing cable (30m)	EA	1	R
E81.33	Door drive, 0.4KW single phase	EA	3	R

SUB TOTAL 81	R
SUB TOTALS ADDED E78 THROUGH E81 COMBINED TOTALS	R
GRAND TOTAL SECTION A TO E EXCLUDING VAT	R
VAT @ 15%	R
GRAND TOTAL SECTION A TO E INCLUDING VAT	R

### **CORRECTION OF ENTRIES MADE BY TENDERER**

Any entry made by the Tenderer in the Price Schedule, forms, etc, which the tenderer desires to change, shall not be erased or painted out. A line shall be drawn through the incorrect entry and the correct entry shall be written above in black ink and the full signature of the Tenderer shall be placed next to the correction.

C3: SCOPE OF WORK

TENDER TO APPOINT SERVICE PROVIDERS FOR THE MAINTENANCE, REPAIRS, AND UPGRADE OF ELEVATORS, ESCALATORS, HOISTS AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.

### 1. Purpose of the tender

THE PURPOUSE OF THIS TENDER IS TO REQUEST APPROVAL TO APPOINT QUALIFIED SERVICE PROVIDERS FOR THE MAINTENANCE, REPAIRS, AND UPGRADE OF ELEVATORS, ESCALATORS, HOISTS AND PARAPLEGIC LIFTS CITY WIDE ON A MAINTENANCE CONTRACT AS AND WHEN REQUIRED FOR A PERIOD OF 3 YEARS.

## 2. BACKGROUND INTRODUCTION AND PURPOSE

The City of Tshwane Metropolitan Municipality (COT) hereby invites interested and suitably qualified service providers to submit bids for Elevator, Escalator, hoists and paraplegic lift equipment maintenance, repair, and upgrade in buildings and facilities throughout the COT especially in relation to COT owned and occupied properties. The services are intended to be provided through a tender which will be utilized City wide to service all departments and regions. Regions are currently fully dependent on the subject tender as they don't have internal capacity for repairs and maintenance services. The tender is for a period of 3 (three) years.

Note:

COT hereby reserves the right to:

- Appoint multiple service providers in whole or in part for the provision of services for this tender.
- Appoint maximum of Eight (8) bidders will be awarded as follows: (OM accreditation)
  - Type 1 OM Schindler accredited.
  - Type 2 OM Otis accredited.
  - Type 3 OM Kone accredited.
  - Type 4 OM Nu-Line accredited.
  - Type 5 OM Vision accredited.
  - Type 6 OM Elco accredited.
  - Type 7 OM Mitsubishi accredited.
  - Type 8 OM SAEC accredited.

Bidders are allowed to quote on multiple OM makes if they are accredited on such.

Tender will be awarded based on itemized rates subject to budget availability for 3-year term.

The effective appointment date will be the effective date as defined and agreed to in the contract. (SLA not required)

COT is required to ensure that its facilities are Occupational Health and Safety (OHS) compliant in line with the OHS Act, no 85 of 1993 (as amended). One of the requirements for OHS compliance is to ensure a consistent repairs and maintenance service in place immediately when needed.

This bid is largely for all Elevator, Escalator, hoist and paraplegic lift maintenance, repairs, installation, and upgrade as and when required City wide for a period of 3 (three) years. The purpose of the said repairs, maintenance, and upgrade is to keep, restore or improve every facility i.e., every part of the elevator system, its services and surrounds to a currently acceptable standard and to sustain the utility and value of the facility. If the facility is not well maintained in proper working condition, then it renders the building unsuitable for use and due to this ultimately causes premature decay of the elevator equipment and reduces its life span.

The aim of repairs, maintenance and upgrade is as follows.

- To preserve the operating condition of elevator machinery and equipment services, structures, etc.
- To restore them back to their original standards.
- To improve the facilities depending upon the development that is taking place in the concerned or relevant engineering.

So, all in all to increase the life of the elevator systems or any structure it must be maintained on a regular basis by both planned and unscheduled maintenance.

Compliance is required in line with the National Building Regulations in relation to Lifting equipment health and safety requirements in any building. The design, construction and equipment of buildings are required to comply with SANS 10400 Part T, 10360:2009, OHS act 85 of 1993, regulation on lifts, escalators and must satisfy the local authority requirements.

There are several offences that owners of buildings need to avoid, including the need for lifting equipment that comply with SANS 10360:2009

Service providers working within this sector of the elevator industry are required to have the appropriate competence through training, qualifications, and experience in compliance with:

- The specifications laid out in SANS 10360
- Applicable legislation and/or directives, as applicable, including those issued by the Department of Employment and Labour.

#### 3. PROJECT SCOPE

Description of Scope of the service.

Work to be performed by the appointed service provider shall consist of labour, materials, and tools of trade for the complete statutory service, maintenance, repairs, and upgrades of lift, hoist and paraplegic elevators throughout the COT, as and when required for the continuous and efficient operation of council owned or occupied facilities for a three (3) year period in respect of the following:

TSHWANE REGION - LIFT AND ESCALATOR STATUS

Building Name & Address	Lift No.	Date of Installation	Original Equipment Manufacturer
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PRETORIA CITY	PE2729	1956	OTIS
HALL	PE2577	1946	OTIS
ATTERIDVILLE	02/L752	24-Apr-09	OTIS
SUPER STADIUM	02/L753	24-Apr-09	OTIS
CENTURION BUILDING	PE4931	1994	OTIS
PILDITCH STADIUM	PE5367	1993	OTIS
PRETORIA CITY	PE169	1993	OTIS
HALL	PE185	1993	OTIS
TEMBA	LIFT	2010	OTIS
TSHWANE MARKET	02/L2981	2012	KONE
TEMBA	02/L2983	2012	KONE
FRESH PRODUCT (AGENTS)	PE3510	24-Apr-09	SCHINDLER
C DE WET	PE5255	24-Apr-09	SCHINDLER
BUILDING	02/L928	Aug-93	SCHINDLER
SOSHANGUVE ELECTRICAL DEPOT	02/L1277	2012	SCHINDLER
SAMMY MARKS SQUARE	PE5901	Aug-93	SCHINDLER
	PE5902	Aug-93	SCHINDLER
	PE5903	Aug-93 (minor upgrade28/02/2014 )	SCHINDLER
	PE5904	Aug-93 (minor upgrade28/02/2014 )	SCHINDLER
	PE5905	Aug-93	SCHINDLER
	PE5906	Aug-93	SCHINDLER
	Hoist	Aug-93	SCHINDLER
HB PHILLIPS BUILDING	02/L925	8-May-09	SCHINDLER
	02/L1037	8-May-09	SCHINDLER
	02/L1028	8-May-09	SCHINDLER
BAROLAC BUILDING	02/L924	24-April-09	SCHINDLER
OU RAADSAAL	PE4212	14-Sep-87	MITSUBISHI

PRINCESS PARK ELECTRICAL	02/L1370	3-Nov-10	OTIS / THYSSEN
	02/L1371	3-Nov-10	OTIS / THYSSEN
SAMMY MARKS	PESC228	Aug-93	OTIS / THYSSEN
SQUARE ESCALATORS	PESC229	Aug-93	OTIS / THYSSEN
DOODON SLATO	02/L1365	11-Feb-11	OTIS / THYSSEN
BOSBOK FLATS	02/L1366	1-Jul-11	OTIS / THYSSEN
	02/L1363	1-Jul-11	OTIS / THYSSEN
BLESBOK FLATS	02/L1364	11-Feb-11	OTIS / THYSSEN
STALSHOOGTE	02/L1367	27-Jul-10	KONE
	02/L1368	3-Nov-10	KONE
EERSTERUS CIVIC CENTRE	02/L1369	2010	OTIS / THYSSEN
	HOIST	2010	ELCO-TECH
METRO POLICE	02/L925	2010	ELCO-TECH
	02/L2043	2010	NU-LINE
GIANT STADIUM SOSHANGUVE	02/L2044	2010	NU-LINE
	02/L2045	2010	NU-LINE
	02/L2046	2010	NU-LINE
CAPITAL PARK	02/L2984	2012	KONE
	LIFT platform 02/L1507	2010	NU-LINE
PIETER DELPORT BUILDING	LIFT platform 02/L1508	2010	NU-LINE

Wheelchair Stair lift platform - 02/L1724	2010	VISION ELEVATORS
Wheelchair Stair lift platform - 02/L1725	2010	VISION ELEVATORS

Building Name & Address	Lift No.	Manufacturer
ATTERIDGEVILLE SUPER STADIUM	72N6652	OTIS
TLMA	02/l4721	ELCO-TECH
TLMA	02/L4720	ELCO-TECH
ROOIWAL POWER STATION	ADMIN	SCHINDLER
ROOIWAL POWER STATION	NORTH BOILER	SCHINDLER
ROOIWAL POWER STATION	SOUTH BOILER	SCHINDLER
PRETORIA WEST POWER STATION	ADMIN	OTIS
PRETORIA WEST POWER STATION	PLANT	OTIS
BELLE OMBRE TRANSPORT BUILDING	42877748	KONE
BELLE OMBRE TRANSPORT BUILDING	42877747	KONE
TSHWANE FRESH PRODUCE MARKET	02/L7771	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7772	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7773	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7774	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7775	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7776	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7777	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7778	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7779	ELCO-TECH
TSHWANE FRESH PRODUCE MARKET	02/L7790	ELCO-TECH

TSHWANE FRESH PRODUCE MARKET	02/L7781	ELCO-TECH
PRINCESS PARK ELECTRICAL	GOODS HOIST	OTIS
CHRISTIAAN DE WET (OLD TYRE SECTION)	GOODS HOIST	OTIS
CULLINAN LIBRARY	42130737	KONE
CULLINAN LIBRARY	42130738	KONE
MIDTOWN BUILDING	PE5186	SAEC
MIDTOWN BUILDING	PE5187	SAEC
MIDTOWN BUILDING	PE5188	SAEC

OEM MANUFACTURER	LIFT ITEM NUMBER
OTIS	1,2,3,4,5,6,7,8,9,28,29,30,31,32,33,34,35,38,50,56,57,71,72
KONE	10,11,36,37,45,58,59,73,74,
SCHINDLER	12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,53,54,55,
VISION	48,49
ELCO	39,40,51,52,60,61,62,63,64,65,66,67,68,69,70,
MITSUBISHI	27
NULINE	41,42,43,44,46,47
SAEC	75,76,77

### 1.2 SCOPE OF WORK.

### 1.2.1 Scheduled Maintenance

- 1.2.1.1 The Contract shall systematically maintain the elevators and escalators in accordance with the minimum designated frequency in accordance with the "Occupational Health and Safety Act 85 of 1993", SANS10360:2006, the current lift, escalator and passenger conveyor Regulations the Manufacturer's requirements and this Agreement.
- 1.2.1.2 The Contractor shall ensure that maintenance work of a technical nature shall be performed by "Competent" persons as defined by the Occupational Health and Safety Act 85 of 1993.

### 1.2.2 The maintenance shall include for:

#### 1.2.2.1 Cleaning

Complete and continued cleaning of all parts of elevator equipment and all areas in which the equipment is operating such as the machine room, hoist way, pits, cars, separator beams, guide rails, and drip pans. Cleaning of escalators shall include annual removal and cleaning of steps, chains, and related parts.

#### 1.2.2.2 Adjustments

All components such as brakes, cables, drive equipment, safety devices and doors shall be adjusted within the manufacturer's recommended specification limits. All fluids shall be maintained at the proper levels.

#### 1.2.2.3 Lubrication

All moving parts shall be lubricated with the appropriate quantities of the manufacture's recommended lubricant, and per the manufacturer's recommended frequency.

#### 1.3 GENERAL

When components are worn beyond a safe level of dependable service as determined by the Contractor and per the approval of the independent Lift Consultant, the Contractor shall repair or replace such defective components at the Clients cost as listed below.

All components replaced by Contractor shall be inspected by the independent Lift Consultant prior to being removed from the work site.

### 1.3.1 Electric Elevators (Traction, Drum, Passenger, Service/Freight)

- 1.3.1.1 Machine drive sheave or drum drive, sheave or drum shaft bearings, brake pulley, brake coil, brake contact, linings and component parts, drum buffers, and stop motion switches.
- 1.3.1.2 Motor and motor generator, motor windings, rotating element, commutator, brushes, brush holder and bearings.
- 1.3.1.3 Controller, selector, and dispatching equipment, all relays, solid state components, resistors, condensers, transformers, contact, leads dashpots, timing devices, computer devices, steel selector tape and mechanical and electrical drive equipment.
- 1.3.1.4 Governor, governor sheave and shaft assembly, bearings, contacts, and governor jaws.
- 1.3.1.5 Deflector, car and counterweight sheaves, bearings, car and counterweight buffers, car and counterweight guide rails, top and bottom limit switches, governor tension sheave assembly, compensating sheave assembly, counterweight, and counterweight guide shoes, including rollers or gibs.
- 1.3.1.6 Hoist way door interlocks, hoist way door hangers, bottom door guides and auxiliary door closing devices.
- 1.3.1.7 Automatic power operated door operator, car door hanger, car door contact, door protective device, load weighing equipment, car frame, car safety mechanism, platform, wood platform flooring, elevator car, elevator car guide shoes, gibs or rollers, signal and operating fixtures, including lights, buzzers, and gongs in all signal and operating fixtures.
- 1.3.1.8 All wire hoisting ropes and compensating ropes / whisper flex or chains.
- 1.3.1.9 Conductor cables and hoist way and machine room elevator wiring.
- 1.3.1.10 Re-shackle cables, hoist way and machine room elevator wiring
- 1.3.1.11 Shorten re-shackle hoist or compensating cables.

### 1.3.2 Goods Elevators

For goods elevators with vertical lifting or collapsible car gates and/or bi-parting,

vertical lifting doors or hoist way gates.

- 1.3.2.1 Contact, pulleys, cables, and locks.
- 1.3.2.2 Interlocks and retiring cams, door astragals and door guides.

#### 1.3.3 Hydraulic Elevators

1.3.3.1 Pumping plant, valves, piping, fittings, cylinder, packing, plunger tank, heaters, mufflers, remote pipe, if exposed.

#### 1.3.4 Escalators

- 1.3.4.1 Chains, rollers, and tracks.
- 1.3.3.2 Step risers and treads
- 1.3.3.3 Comb teeth
- 1.3.3.4 Handrails
- 1.3.3.5 Controller
- 1.3.3.6 Machine

#### 1.4 ADDITIONAL SERVICES

Additional services will include services which are supplemental to those listed above,

#### 1.4.1 Maintenance or Repair

For any maintenance or repair not specifically mentioned in this Scope of Work but required for proper functioning of elevators and escalators the items listed in the BOQ will be used to formulate the repair quote.

### 1.4.2 Applicable Maintenance Standards

The maintenance carried out by the Contractor on the elevators and escalators shall meet the minimum requirements and shall be in accordance with statuary requirements as mentioned in the South African National Standard [SANS10360:2006].

#### 1.4.3 Compulsory Test and Examinations

The Contractor shall test and examine all safety devices and governors, as required by the latest edition of the South African National Standard Safety Code for Elevators and Escalators, as per the regular intervals mentioned in the standard. The Contractor shall promptly correct any defects that may be found in the testing and examining of the Safety Devices. Records of the annual safety device test results and examination shall be recorded in the elevator maintenance book. The report will list condition of all equipment covered by this agreement.

### 1.4.4 Additional Quality and Mandatory Compliance inspections

The Contractor shall employ an independent Consultant as required for any additional Quality and Mandatory checks and examinations as deemed necessary as per the Clients request.

- 1.4.5 The Contractor shall examine and equalize the tension of all hoisting ropes.
- 1.4.6 Repairing and/or replacing all electrical wiring and conductors extending to the elevator and escalator from the mainline switch in the machine room and all outlets in the hoist ways.

- 1.4.7 Keeping the guide rails clean and properly lubricated, except when roller type guides or dry gibs are involved, no rail lubrication shall be used. When necessary, the Contractor shall renew the guide shoe gibs or rollers as required to insure smooth and guiet operation.
- 1.4.8 Keeping the exterior of the machinery, and any other parts of the equipment subject to rust, properly painted and presentable always. The motor windings and controller coils are to be periodically treated with proper insulating compound.
- 1.4.9 The Contractor shall ensure that the lift sump pump is kept operational, and that the sump hole is cleared of any particles or debris that may affect the automatic functioning of the pump. The pump must be tested at least once a month as part of the regular elevator or escalator maintenance schedule.
- 1.4.10 Renewals or Repairs to Equipment

The Contractor shall not be required to make renewals or repairs necessitated by reason of negligence or misuse of the equipment by persons other than the Contractor, or the Contractor's Representative and Employees, or by reasons of any other cause beyond the control of the Contractor, except normal and ordinary wear and tear. The Contractor shall notify the City of Tshwane, IMMEDIATELY if repairs are required which are not covered as a part of this agreement.

1.4.11 Preparation and forwarding of reports.

The Contractor shall maintain complete records; coordination of work; cleaning; lubricating; testing; adjusting; maintaining; repairing; furnishing and replacement of parts, including spares; furnishing of all accessories for testing; all as outlined, required and/or recommended in the **SANS10360:2006** Code for Elevators and Escalators, including all latest revisions and addendums, and all as herein specified.

#### 2 PERFORMANCE OF THE CONTRACTOR

### 2.1 General

All work shall be performed in a timely, neat, and orderly manner by skilled and certified/competent elevator/escalator workers. The City of Tshwane may refuse to accept work or workers who do not meet these standards. The Contractor shall be responsible for any damage caused by its operations and shall repair or replace as direct by the City of Tshwane, said damage within a reasonable time.

### 3.1 Down Time

3.1.1 Unscheduled down time shall be minimized. The Contractor shall make every effort to repair elevators / escalators that have become inoperative as quickly as possible. The City of Tshwane estimates that the most severe elevator / escalator malfunction will be three days of down time. Outages for routine failures shall be rectified on the same business day as reported by the City of Tshwane.

#### 3.2 Callbacks

- 3.2.1 The Contractor shall provide prompt service in the event of improper functioning of elevators or escalators twenty-four (24) hours per day, seven (7) days per week. This service shall be performed at "NO CHARGE" to the City of Tshwane.
- 3.2.2 In the event of an emergency call where actual or imminent physical or psychological damage to the user of the elevator or escalator may occur, the Contractor shall respond within twenty (20) minutes of placement of the call by the City of Tshwane.
- 3.2.3 In the event of non-emergency calls, the Contractor shall provide service within one-and one-half hours of placement of the call by the City of Tshwane.
- 3.2.4 Call backs for which the elevator or escalator is running upon arrival of the Contractor, and for which the Contractor is unable to determine a cause of failure shall be at <u>no charge</u> to the City of Tshwane.

#### 3.3 Hours of Work

3.4.1 City of Tshwane shall not prohibit Contractor from performing work herein during a normal workday. If the Contractor elects to work overtime hours, no additional compensation will be paid by the City of Tshwane. For the purpose of this provision a "normal workday" is defined as Monday through Friday, 8:00am to 5:00pm

#### 4 RECORDS

#### 4.1 General

- 4.1.1 The Contractor shall submit for approval by City of Tshwane a proposed work schedule and log within ten (10) days after award of the agreement.
- 4.1.2 The Contractor shall provide a service schedule to each department on the first day of each month for that month. The City of Tshwane shall approve the schedule within forty-eight (48) hours. All work scheduled during the month shall be performed during the times scheduled and not at call back times.

### 4.2 Regular Maintenance Schedule

The work schedule shall be designed for each type of equipment to be serviced, such as gearless elevators, geared elevators, hydraulic elevators, and escalators and shall conform to the manufacturer's recommended practice for the specific equipment concerned. The schedule shall show the type and frequency of service and lubrication proposed by the Contractor for the duration of the agreement.

- 4.2.1 All inspections, lubrication, adjustments, tests, cleaning, routine repairs, and other preventive maintenance activities shall be performed in accordance with the schedule.
- 4.2.2 After approval of the schedule by the City of Tshwane, the Contractor shall keep the work schedule on display in each equipment room and perform regular maintenance service in accordance therewith. The posted schedule shall be of the chart type which shall be initialed by the Contractor when each scheduled inspection is performed.

### 4.3 Log

- 4.3.1 The Contractor shall also maintain and submit (if requested) to the City of Tshwane complete and accurate monthly logs of all work performed in addition to routine inspection at each location. The logs shall include emergency callback service describing the nature of all complaints and resolutions. The Contractor shall on each call (scheduled or emergency), sign-in including date, time-in, time-out, detail of repair or maintenance work conducted and provide comments of the elevator status. This requirement shall be strictly enforced unless Contractor receives written exemption from the City of Tshwane.
- 4.3.2 The Contractor shall also submit copies of work tags signed off by the designated building representatives with monthly invoices. The work tag shall include date, facility, time-in, time-out, and ID numbers of equipment serviced.

#### 4.4 Wiring and Construction Drawings

4.4.1 All changes in circuitry made by Contractor shall be properly recorded on a "Wiring and Construction drawing" supplied by the City of Tshwane, including date of change and the name of person making changes. When power supply wiring is changed from or to electrical distribution board an COC must be issued.

### 5 STOCKS OF MATERIALS

### 5.1 Regular Stock

5.1.1 The Contractor shall maintain a supply of or have access to all regularly wearing parts or parts whose failure can be reasonably predicted / anticipated. These parts

- shall consist of, but are not limited to, motor brushes, relays and contactors, switches, cams, notches, thrusts, brake liners, bearings, rollers, liners, contacts, coils, hangers, shoes, springs, car lights, call buttons, comb plates, printed circuit boards, and all signal and accessory equipment.
- 5.1.2 To provide and keep inventory of all wearing parts in respect of the equipment's maintenance and operation. The City of Tshwane reserves the right to inspect the spares inventory at any time during the term of this agreement.
- 5.1.3 To supply, repair and replace all parts of every description made necessary by normal wear and tear without expense to the City of Tshwane when such replacement or repair is deemed necessary by the Contractor in accordance with this agreement and the manufacturer's requirements. Only parts that are correctly designed, manufactured and suitable in all respects, shall be used. It is implied that all replacement parts shall meet the original manufacturer's design specification with regards to performance, reliability, duty rate, operation, safety, and redundancy.

### 5.2 Availability and Access to Stock

- 5.2.1 In addition, the Contactor shall maintain in facility approved by the City of Tshwane or in a Contractor's facility within the **City of Tshwane** the following items.
  - 5.2.1.1 One (1) set of motor brushes and holders for each type of motor and generator.
  - 5.2.1.2 One (1) door operator motor of each elevator type used.
  - 5.2.1.3 Hanger sheaves for car and hoist way doors.
  - 5.2.1.4 Two (2) complete door interlocks.
  - 5.2.1.5 One (1) set of generator bearings for each type of generator.
  - 5.2.1.6 One (1) set of brake linings for each type of elevator brake.
  - 5.2.1.7 Parts for door protective devices.
  - 5.2.1.8 All other parts as needed to assure prompt replacement in the event of the shutdown of any elevator or escalator.
  - 5.2.2 City of Tshwane reserves the right to inspect Contractor's inventory if it deems such inspection is necessary.

### **6 ELEVATOR AND ESCALATOR PERFORMANCE**

#### 6.1 Testing

- 6.1.1 Within thirty (30) day intervals the Contractor shall test for the proper operation of all safety features of elevators and escalators as per the minimum requires stipulated in the Occupational Health and Safety Act 85 of 1993 and as per the requirements and/or recommended in the **SANS10360:2006** Code for Elevators and Escalators
- 6.1.2 The Contractor shall perform the following test and examinations:
  - 6.1.2.1 Test and examine all safety devices and governor at least every twelve (12) months.
  - 6.1.2.2 Test the emergency backup generators and emergency power operation at least every twelve (12) months.
  - 6.1.2.3 Test the emergency fireman's operation at least every twelve (12) months.
  - 6.1.2.4 The functioning of the load weighing devices at least every twelve (12) months.
  - 6.1.2.5 Test the emergency rescue device at least every three (3) months.
  - 6.1.2.6 Test the emergency alarm and light(s) unit and backup supply at least every thirty (30) days.
  - 6.1.2.7 Test the emergency intercom backup supply at least every thirty (30) days.

6.1.2.8 The functioning of the emergency rescue equipment and operation at least every thirty (30) days.

#### 6.2 Basic Performance Requirements

Electric elevators shall be adjusted to meet the following basic performance standards and the Contactor shall maintain these standards throughout the performance period of the agreement.

- 6.2.1 Without in any way limiting the Contractor's obligations, the Contractor shall ensure:
  - the safety and comfort of passengers using the equipment,
  - the performance and reliability of the equipment operation is maintained,
  - that the design parameters are maintained,
  - that preventative maintenance is always carried out punctually,
  - that the maintenance is carried out in a programmed sequence in terms of a documented Maintenance Schedule,
  - that the equipment is kept safe, clean, and presentable at all times.

#### 6.3 Certificate of Compliance (Annexure B Certification)

The Contractor shall appoint an independent Lift/Escalator Engineer that is SANAS accredited, under the Lifts and Escalators (Safety) Ordinance to undertake the necessary examination and testing.

The Statutory Lift Inspections (Comprehensive Report) shall be carried out annually by a competent independent lift inspection provider, appointed by the contractor.

The period between Compliance testing shall not exceed twelve (12) months.

#### 6.4 Quality Control

The Contractor shall conduct bi-annual inspections following which the condition of the equipment shall be recorded on a checklist signed and certified by the Contractor's Representative.

The Contractor shall employ the Consultant to perform the task as required.

Should any defects or remedial work be required in terms of the bi-annual Inspection, the Contractor shall expeditiously undertake the corrective work. Should any of the items noted in the Annual Inspection not be rectified within a two (2) week period, the Contractor shall forward the City of Tshwane with a copy of a detailed works program.

#### 6.5 Call-back Rate:

The Contractor shall ensure that the frequency of equipment breakdowns does not result in the target number of twelve (12) call-backs per unit per annum being exceeded. The fault analysis (call-back rate) shall be compiled by the Contractor monthly and assessed / calculated annually. The twelve (12) month period used to assess the call-back rate shall be the period from the date or anniversary date of the commencement of this Agreement to end of the month preceding the following anniversary date.

### 6.6 Cost for unexpected repairs/breakdowns and Compliance Inspections

The Contractor shall provide cost in the price list activity schedule for emergency labour and parts required for unexpected repairs and breakdowns.

Repair activity and unforeseen labour and parts cost not provided in the price list activity schedule will be done by Quotation to be approved by the independent Lift Consultant appointed by the contractor.

The Contractor shall provide cost in the price list activity schedule for any additional Compliance Inspections to be conducted by an Independent Lift inspector as an when required by the Client or by the requirements of the Occupational Health and Safety Act (85 of 1993).

### 7. SCHEDULE FOR MAINTENANCE, INSPECTION AND TESTING INTERVAL

### **Tests and inspections**

The inspections and maintenance stipulated below must be carried out at the time intervals as specified.

	Inspection / Test	Action	Frequency
1	Gates and door lock	Test gates and door locks at each examination	Monthly
2	Main suspension ropes	Examine main suspension ropes	Six monthlies
3	Safety gear	Tests safety gear	Yearly
4	Over speed governor	Test over speed governor	Yearly
5	Buffers	Test buffers	Yearly
6	Governor Ropes and Gear	Examine	Six monthlies
		Governor ropes	
7	Motor room inspection	Inspect, clean controller, motors,	Yearly / Monthly
	generator and motor room ligh	generator and motor room lights	Depending on site conditions
8	Communication systems	Test- Telephones Intercoms systems and warning lights	Not more than monthly intervals
9	Rack and Pinion Gears	Examine and Inspect wear	Monthly
10	Emergency Lights	Test for functionality	Monthly
11	General Safety Signs	Visibility and condition	Monthly
12	Annexure B Compliance Inspection		Annually
13	Quality inspections		Bi-annual

#### 8 MATERIALS

Unless otherwise specified, all materials, supplies or equipment offered by a Contractor shall be new, unused in any regard and of most current design. All materials supply and equipment shall be first class in all respects. Seconds or flawed items will not be acceptable. All materials supply or equipment shall be suitable for their intended purpose and, unless otherwise specified, fully assembled and ready for use on delivery.

All materials shall be for the City of Tshwane's account.

### 9 CONTRACTOR'S BOOKS AND RECORD KEEPING

### 9.1 Maintenance during Term of Agreement

The Contractor shall maintain all ledgers, books of account, invoices, vouchers, canceled checks, and other documents evidencing or relating to charges for services, or expenditures and disbursements charged to City of Tshwane for a minimum period of three years, or for any longer period required by law, from the date of final payment to Contractor pursuant to this Agreement.

#### 9.2Maintenance after Term of Agreement

The Contractor shall maintain all documents which demonstrate performance under this Agreement for a minimum period of three years, or for any longer period required by law, from

the date of termination or completion of this Agreement.

#### 9.3Inspection

Any documents required to be maintained pursuant to this Agreement must be made available for inspection or audit, at any time during regular business hours, upon written request by the City of Tshwane. The Contractor shall provide copies of such documents to City of Tshwane for inspection as requested.

Matters involving litigation shall be kept for one year following the termination of litigation, including all appeals, if the litigation exceeds five years.

#### 10. MAINTENANCE CONTRACT

The Contractor shall be prepared to enter into the Client's A Type Maintenance Agreement as specified for a term of not less than three (3) years.

Where the A Type Contract is specified, the contractor shall provide an (A) Type Maintenance Agreement that will be delivered to the Client's representative for perusal. It is accepted that the Client's representative will alter the terms and conditions of the contractor's proposed maintenance contract at his/her own discretion.

#### Maintenance costs:

Contractors are required to submit at tender stage, the proposed current day monthly maintenance costs for the elevators.

## 11. ADDITIONAL REQUIREMENTS TO BE SUBMITTED BY THE CONTRACTOR AT TENDER STAGE

The following list, proof of documents shall be submitted to the Client for perusal and approval.

- 11.1 Credentials of Independent lift inspector. (SANAS accreditation certificate)
- 11.2 Certificates of competency in the lift/escalator/mechanical field for the following list of employees.
- 11.3.1 Manager (Qualified Lift Engineer) NQF level 7 BSC Mechanical Engineering with more than 2 years' experience in the lift industry.
- 11.3.2 Supervisor (Qualified Lift Engineer technician) NQF level 6, National Diploma Mechanical Engineering with more than 2 years' experience in the lift industry.
- 11.3.3 Qualified Lift Technician/Mechanic, NQF level 4-5, National Certificate Mechanical Engineering with more than 2 years' experience in the lift industry.
- 11.3.4 OHS compliance as per Portion 2, Part C1, paragraph C1.3
- 11.5 Premises provide physical address of offices, workshop, and storerooms. These premises to be audited by the Client.

### 12. PROJECT COMMENCEMENT DATE

Appointment will be effective from contract date.

#### 13. TERM OF AGREEMENT

The contract commencement date shall be from the notification date of acceptance and contract awarded to the successful tenderer.

Cognizance is to be taken at contract commencement to timeously place orders for materials as no claims will be entertained due to non-availability of equipment, materials, or labour.

Tenderers are therefore required, at the time of tendering, to investigate and ensure that the specific materials, equipment, and components required for the works will be available at the relevant estimated maintenance, repair and upgrade times.

#### 14. DELIVERABLES

Pricing on the following items must be supplied for monthly statutory lift maintenance, yearly annexure B, annexure C, annual price increases and critical parts: (Lift Makes stated previously on document)

ITEM NUMBER		
	Building Name	Lift No.
1	PRETORIA CITY HALL	PE2729
2	, , , _ , , , , , , , , , , , , , , , ,	PE2577
3	ATTERIDVILLE SUPER STADIUM	02/L752
4		02/L753
5	CENTURION BUILDING	PE4931
6	PILDITCH STADIUM	PE5367
7	DDETODIA CITVIIALI	PE169
8	PRETORIA CITY HALL	PE185
9	TEMBA	LIFT
10	TSHWANE MARKET	02/L2981
11	TEMBA	02/L2983
12	FRESH PRODUCE MARKET (AGENTS)	PE3510
13		
14	C DE WET BUILDING	PE5255 02/L928
15	SOSHANGUVE ELECTRICAL DEPOT	02/L1277
16	SAMMY MARKS SQUARE	PE5901
17		PE5902
18		PE5903
19		PE5904

ITEM NUMBER	<b>Building Name</b>	Lift No.
20		PE5905
21		PE5906
22		Hoist
23	HB PHILLIPS BUILDING	02/L925
24		02/L1037
25		02/L1028
26	BAROLAC BUILDING	02/L924
27	OU RAADSAAL	PE4212
28	PRINCESS PARK ELECTRICAL	02/L1370
29		02/L1371
30	SAMMY MARKS SQUARE	PESC228
31	ESCALATORS	PESC229
32	BOSBOK FLATS	02/L1365
33		02/L1366
34	BLESBOK FLATS	02/L1363
35		02/L1364
36	STALSHOOGTE	02/L1367
37		02/L1368
38	EERSTERUS CIVIC CENTER	02/L1369
39	EERSTERUST CIVIC CENTER	HOIST
40	METRO POLICE	02/L925
41		02/L2043

ITEM NUMBER	Building Name	Lift No.
42	GIANT STADIUM SOSHANGUVE	02/L2044
43		02/L2045
44		02/L2046
45	CAPITAL PARK	02/L2984
46		LIFT platform 02/L1507
47	PIETER DELPORT BUILDING	LIFT platform 02/L1508
48		Wheelchair Stair lift platform - 02/L1724
49		Wheelchair Stair lift platform - 02/L1725
50	ATTERIDGEVILLE SUPER STADIUM	72N6652
51	TLMA	02/l4721
52	TLMA	02/L4720
53	ROOIWAL POWER STATION	ADMIN
54	ROOIWAL POWER STATION	NORTH BOILER
55	ROOIWAL POWER STATION	SOUTH BOILER
56	PRETORIA WEST POWER STATION	ADMIN
57	PRETORIA WEST POWER STATION	PLANT
58	BELLE OMBRE TRANSPORT BUILDING	42877748
59	BELLE OMBRE TRANSPORT BUILDING	42877747
60	TSHWANE FRESH PRODUCE MARKET	02/L7771
61	TSHWANE FRESH PRODUCE MARKET	02/L7772
62	TSHWANE FRESH PRODUCE MARKET	02/L7773
63	TSHWANE FRESH PRODUCE MARKET	02/L7774
64	TSHWANE FRESH PRODUCE MARKET	02/L7775

65	TSHWANE FRESH PRODUCE MARKET	02/L7776
66	TSHWANE FRESH PRODUCE MARKET	02/L7777
67	TSHWANE FRESH PRODUCE MARKET	02/L7778
68	TSHWANE FRESH PRODUCE MARKET	02/L7779
69	TSHWANE FRESH PRODUCE MARKET	02/L7790
70	TSHWANE FRESH PRODUCE MARKET	02/L7781
71	PRINCESS PARK ELECTRICAL	GOODS HOIST
72	CHRISTIAAN DE WET (OLD TYRE SECTION)	GOODS HOIST
73	CULLINAN LIBRARY LIFT A	42130737
74	CULLINAN LIBRARY LIFT B	42130738
75	MIDTOWN	PE5186
76	MIDTOWN	PE5187
77	MIDTOWN	PE5188

#### 15. STAGES OF EVALUATION

This bid will be evaluated in four evaluation stages namely:

- Stage 1: Administrative compliance
- Stage 2: Mandatory
- Stage 3: Functionality
- Stage 4: Preference Points System

#### a. STAGE 1: ADMINISTRATIVE COMPLIANCE

All the bids will be evaluated against the administrative responsiveness requirements as set out in the list of returnable documents.

Compulsory Returnable Documentation (Submission of	Submitted (YES or NO)	Checklist (Guide for Bidder and the Bid Evaluation Committee)
these are compulsory)		,
a) To enable The City to verify the bidder's		TCS must be in the same
tax compliance status, the bidder must		business name as the
provide;		bidding company.
• A copy of their Tax Clearance		TCS must be valid.
Certificate (TCS);		Tax status must be
or		compliant before the award.
<ul> <li>Indicate their tax compliance status PIN.</li> </ul>		
b) A copy of their Central Supplier		CSD must be valid. Tax
Database (CSD) registration; or indicate		status must be compliant
their Master Registration Number / CSD		before the award.
Number;		
c) Confirmation that the bidding company's		Was a Municipal Account
rates and taxes are up to date: Original		Statement or landlord letter
or copy of Municipal Account Statement		provided for the bidding
of the Bidder (bidding company) not older		company? The name and /
than 3 months and account must not be		or addresses of the bidder's
in arrears for more than ninety (90) days;		statement correspond with
or ,signed lease agreement or in case of		CIPC document, Address
bidders located in informal settlement,		on CSD or Company
rural areas or areas where they are not		profile? Are all payment(s)
required to pay Rates and Taxes a letter		up to date (i.e. not in
from the local councillor confirming they		arrears for more than 90
are operating in that area		days?
d) In addition to the above, confirmation that		Was a Municipal Account
all the bidding company's owners /		Statement or landlord letter
members / directors / major shareholders		provided for the bidding
rates and taxes are up to date: • Original		company? The name and /
or copy of Municipal Account Statement		or addresses of the bidder's
of all the South African based owners /		statement correspond with
members / directors / major shareholders		CIPC document, Address
not older than 3 months and the		on CSD or Company
account/s may not be in arrears for more		profile? Are all payment(s)
than ninety (90) days; or a signed lease		up to date (i.e. not in
agreement of owners / members /		arrears for more than 90
directors / major shareholders or In case		days?
of bidders located in informal settlement,		days:
rural areas or areas where they are not		
The state of the s		
required to pay Rates and Taxes a letter		
from the local councillor confirming they		
are residing in that area		All documents fully
e) Duly Signed and completed MBD forms		All documents fully
(MBD 1, 4, 5, 8 and 9) The person		completed (i.e. no blank
signing the bid documentation must be		spaces)? All documents
authorized to sign on behalf of the bidder.		fully signed? Signature
Where the signatory is not a Director /		authorized (any director /

Compulsory Returnable Documentation (Submission of these are compulsory)  Member / Owner / Shareholder of the company, an official letter of authorization or delegation of authority should be submitted with the bid document.  NB: Bidders must ensure that the directors, trustees, managers, principal shareholders, or stakeholders of this company, declare any interest in any other related companies or business, whether or not they are bidding for this contract. See Question 3.14 of MBD 4. Failure to declare interest will result in a disqualification	Submitted (YES or NO)	Checklist (Guide for Bidder and the Bid Evaluation Committee)  member / trustee as indicated on the CIPC document, alternatively a delegation of authority would be required?  Documents completed in black ink (i.e. no "Tippex" corrections, no pencil, no other color ink, or nonsubmission of the above, will be considered)?
f) Financial Statements for the most recent three (3) years or financial statements from date of existence for companies less than three years old.  NB: The bidder must submit signed audited annual financial statements for the most recent three years, or if established for a shorter period, submit audited annual financial statements from date of establishment.  If the bidder is not required by law to prepare signed annual financial statements for auditing purposes, then the bidder must submit proof that the bidder is not required by law to prepare audited financial statements.		Applicable for tenders above R10m in conjunction with MBD 5)  Are Audited financial statements provided (Audited financials must be signed by auditor)? Or proof that the bidder is not required by law to prepare audited financial statements.
g) Joint Ventures (JV) – (Only applicable when the bidder tenders as a joint venture) Where the bidder bids as a joint venture (JV), the required or relevant documents as per (a) to (f) above must be provided for all JV parties. In addition to the above the bidder must submit a Joint Venture (JV) agreement signed by the relevant parties.  NB: It is a condition of this bid that the successful bidder will continue with the same Joint Venture (JV) for the duration		If applicable. JV agreement provided? JV agreement complete and relevant? Agreement signed by all parties? All required documents as per (i.e. a to f) must be provided for all partners of the JV.

Compulsory Returnable Documentation (Submission of these are compulsory)	Submitted (YES or NO)	Checklist (Guide for Bidder and the Bid Evaluation Committee)
of the contract unless prior approval is obtained from the City.		
h) Bidder attended a compulsory briefing session where applicable		A compulsory briefing register must be signed by the bidder.
		Bidders will be disqualified should they fail to attend compulsory briefing session
i) Pricing schedule (All items must be quoted for in pricing schedule and if not, all items are quoted the bidder will be disqualified). Unless the tender is awarded per item or per section where		Incomplete pricing schedule results in totals being incomparable. Bidder must be disqualified.
the bidder only quoted the items or sections, they are interested in.		Bidder will be disqualified should they make corrections on the price schedule without attaching a signature thereto.
		Bidder will be disqualified should they use tippex/correction ink, on the price schedule.

#### **STAGE 2: MANDATORY REQUIREMENTS**

Only tenderers with the following requirements will be considered for Stage 2: Functionality Criteria.

• The tenderer must have a CIDB grading of 4SI/ME or higher as follows:

CIDB GRADING PER TYPE OF ELEVATOR.

MANUFACTURER	NUMBER OF UNITS	TYPE OF SERVICE
SAEC	3	STATUTORY MAINTENANCE
		STATUTORY REPAIR
VISION	2	STATUTORY MAINTENANCE
		STATUTORY REPAIR

SCHINDLER	20	STATUTORY MAINTENANCE
		STATUTORY REPAIR
NULINE	6	STATUTORY MAINTENANCE
		STATUTORY REPAIR
KONE	9	STATUTORY MAINTENANCE
		STATUTORY REPAIR
ELCO	15	STATUTORY MAINTENANCE
		STATUTORY REPAIR
OTIS	21	STATUTORY MAINTENANCE
		STATUTORY REPAIR

• The tenderer must have original manufacturer accreditation certificates for the following manufacturer.

MANUFACTURER	Attachment of Original Manufacturer accreditation certificate Checklist (Yes / No)
SAEC	
VISION	
SCHINDLER	
NULINE	
KONE	
ELCO	
OTIS	

- The tenderer's employees in the specified categories shall have a minimum of 2 years' experience in the lift industry. Bidders are to attached CV of employees as proof experience.
- Bidders are to submit certified qualification of artisans with a red seal certificate.

Bids that do not meet these requirements will be disqualified.

#### **STAGE 3: FUNCTIONALITY CRITERIA**

The following functionality criteria will apply to this bid:

Only bidders who score a minimum score of 70 points in respect of the following functionality criteria will be recommended for shortlisting. A total of 100 points are allocated for functionality.

CRITERIA	SUB-CRITERIA	SCALE	WEIGHT	HIGHEST POSSIBLE SCORE
<b>3.1 Number of years maintaining</b> and upgrading lifts. The bidder must provide a clearly detailed	6 years or more	5	3	15
profile (CV) stipulating the required number of years rendering similar service	4 years up to 5 years or more	5	2	10
	1 year up to 3 years or more	5	1	5
				15 maximum points
3.2 Completion certificates on either service, repairs, or upgrade within 5 years from	10 individual units or more	5	4	20
closing date of the tender.	5 to 9	5	3	15
	1 to 4	5	2	10
Completion certificates for previous completed maintenance and upgrade of lift equipment should be signed off by client and service provider.				20 maximum points
3.3 Proof of Company's employee appointed as competent person (Artisan) SAQA certified: (National certificate, Diploma Mechanical Engineering)	Lifting equipment Technician NQF level 6 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade	5	6	30
	Lifting equipment Technician NQF level 5 with minimum 2 years' experience in Lifts repairs/maintenance /upgrade	4		24

	Lifting equipment	3		18
	Technician NQF			
	level 4 with			
	minimum 2 years'			
	experience in Lifts			
	repairs/maintenance /upgrade			
Proof of qualifications and cv must b	1 0	hy a com	missioner	30 maximum
of oaths.	e provided and certified	by a com	111133101161	points
3.4 Proof of company's employee	Electrician NQF level	5	3	15
appointed as competent person	5 with minimum 2			
(Artisan) SAQA certified. (Red	years' experience in			
Seal) bidders are requested to submit CV's and certified	Lifts			
qualifications	repairs/maintenance			
qualifications	/upgrade	4	0	40
	Electrician NQF level 4 with	4	3	12
	minimum 2 years'			
	experience in Lifts			
	repairs/maintenance			
	/upgrade			
3.5 Proof of Company's employee				
appointed as competent person	NQF level 7			
(Engineer) SAQA certified: BSC	2 Years postgraduate practical experience in			
Mechanical Engineering	the operation and	5	2	10
(Curriculum Vitae required)	maintenance of lifts,			
bidders are requested to submit CV's	lifting and paraplegic			
and certified qualifications	equipment industry.			
3.6 company employment capacity:	6 or more	5	2	10
Minimum NQF level 4 qualification in				
Mechanical Engineering, bidders are	1 up to 5	5	1	5
requested to submit CV's and certified qualifications	'	•	-	•
Total points			<u> </u>	100
• • • •				

### Service Providers must submit the necessary documents to be evaluated for functionality as per the Bid Evaluation Criteria.

Municipal Rates and Taxes not older than 3 months from the tender advertisement date or valid lease agreement must be provided.

The bidder must provide a clearly detailed profile stipulating the number of years rendering similar services.

Completion certificates should be on company letterhead and signed for similar work done by the service provider – appointment letters/purchase orders and/or job cards may also be included as proof.

Proof of qualifications must be provided certified by a commissioner of oaths.

The contract is a rates only direct appointed contract.

#### STAGE 4: PREFERENTIAL POINT SYSTEM

The preferential points to be used will be 80/20 points system in terms of the Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000) Regulations 2022.

The system comprises of the following two elements:

Price 80 points
Specific goals 20 points

- 1) Bidders are required to submit supporting documents for their bids to claim the specific goal points.
- 2) Non-compliance with specific goals will not lead to disqualification but bidders will not be allocated specific goal points. Bidders will score points out of 90 or 80 for price only and zero (0) points out of 10 or 20 for specific goals.
- 3) Cot shall act against any bidder or person when it detects that the specific goals were claimed or obtained on a fraudulent basis.

The specific goal for this bid is outlined below.

Specific goals	80/20 preference point system	Proof of specific goals to be submitted
BB-BEE score of companies  • Level 1  • Level 2  • Level 3  • Level 4  • Level 5  • Level 6  • Level 7  • Level 8  • Non-compliant	<ul> <li>8 Points</li> <li>7 Points</li> <li>6 Points</li> <li>5 Points</li> <li>4 Points</li> <li>3 Points</li> <li>2 Points</li> <li>1 Point</li> <li>0 Points</li> </ul>	Valid Certified copy of BBBEE certificate. Sworn Affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBBEE certificate.
EME and/ or QSE	2 Points	Valid Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises or CIPC BBBEE certificate
At least 51% of Women- owned companies	2 Points	Certified copy of Identity Document/s <u>and</u> proof of ownership (Sworn affidavit for

Specific goals	80/20 preference point system	Proof of specific goals to be submitted
		B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership)
At least 51% owned companies by People with disability	2 Points	Medical Certificate with doctor's details (Practice Number, Physical Address, and contact numbers) and proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership
At least 51% owned companies by Youth	2 Point	Certified copy of Identity Document/s <u>and</u> proof of ownership (Sworn affidavit for B-BBEE qualifying small enterprise or Exempt Micro Enterprises, CIPC registration or any other proof of ownership
Local Economic Participation	4 Points 2 Points 1 Point	Municipal Account statement/Lease agreement.

For points to be allocated as per above the tenderers will be required to submit proof of documentation as evidence for claims made. Any tenderer that does not submit evidence as stated in the bid document to claim applicable points will be allocated zero points.

#### **16. VALIDITY PERIOD**

The validity period for the tender after closure is 90 days. CoT shall have right and power to extent any tender validity period beyond any initial validity period set and subsequent extensions. SCM shall ensure that an extension of validity is requested in writing from all bidders before the validity expiry date. Extension of validity shall be finalised while the quotations/bids are still valid.

#### 17. MARKET ANALYSIS

The city of Tshwane reserves the right to conduct market analysis. Should the city exercise this option, where a tenderer offers a price that is deemed not to be viable to supply goods or services as required, written confirmation will be made with the tenderer if they will be able to deliver on the price, if a tenderer confirm that they cannot, the tenderer will be disqualified based on being non-responsive. If they confirm that they can deliver, a tight contract to mitigate the risk of non-performance will be entered into with the service provider. Further action on failures by the supplier to deliver will be handled in terms of the contract including performance warnings and listing on the database of restricted suppliers.

The city further reserves the right to negotiate a market related price with a tenderer scoring the highest points. If the tenderer does not agree to a market-related price, the city reserves the right to negotiate a market-related price with the tenderer scoring the second highest points, if the tenderer scoring the second highest points does not agree to a market-related price, negotiate a market-related price with the tenderer scoring the third highest points. If a market-related price is not agreed, the city reserves the right to cancel the tender.