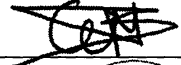



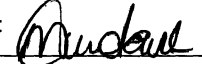


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PLANT AREA: Matla Power Station					
TITLE: Scope of work for supply and delivery of new C & I Equipment (Thermocouples and gauges).					
REF: MEC-05908		Reference Rev No:3		MULTIDISCIPLINARY: No	
				Plant Level: All	
COMPILED BY	Name: N Molefe Systems Engineer	Signature:		Date: 09/09/2025	
APPROVED	Name: K Mangope Line Manager	Signature:		Date: 10/09/2025	
APPROVED	Name: L Ngobese Group Manager	Signature:		Date: 12/09/2025	
REVIEWED	Name: Quality Department	Signature:		Date: 19.09.2025	
REVIEWED	Name: Linton Mudau Occupational Health and Safety	Signature:		Date: 19/09/2025	
REVIEWED	Name: ZODWA Zimu Environmental Department	Signature:		Date: 19/09/2025	
ACCEPTED	Name: Maintenance manager	Signature:		Date:	
ACCEPTED	Name: AIA	Signature:		Date:	

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NB: Do not tamper with the template.

GENERAL


- Data books, reviews, reports, and diagrams/drawings shall be submitted to Engineering after the completion of the work. Engineering to forward the data books to Quality Department (Document Control)
- All QCP's to be submitted to Engineering and Quality for approval prior to outage/project or maintenance work commencement.

	SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY
1.1	Occupational Health and Safety	<ul style="list-style-type: none"> • Health and safety file should be approved by Safety risk management department prior to any work commences on site • All work is to be done in accordance with OHS Act 85 of 1993, Matla plant procedures and Plant Safety Regulations. (240-150642762). • Matla power station SHEQ induction must be done before access to site can be granted • The contractor should ensure that all employees have acquired the required competency for the task they are performing. • The contractor to ensure compliance to updated legal requirements and other requirements. • BUY QUIET: All stakeholders are encouraged to purchase or rent quieter machinery, equipment, and tools to reduce worker noise exposure, contribute towards compliance 	Eskom to witness.	Contractor

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		to OHSA noise exposure limits and ultimately reduce the risk of noise induced hearing loss.		
1.2	Environmental Management.	<ul style="list-style-type: none"> All activities listed in the National Environmental Act 107 of 1998, EIA Regulations as amended, must have environmental AUTHORISATION before commencement of work. The contractor shall comply with all applicable legal and other requirements. The polluter pays principle will be applied. The contractor manager shall ensure compliance with Eskom Matla Environmental procedures to ensure the prevention of pollution (refer: OMOP 4090 and 4402). The last payment will be processed based on the status of the last housekeeping check sheet (Annexure C: OMOP 4402) of designated area. EMS file based on ISO14001 will be required. 	Eskom to witness.	Contractor
1.3	Quality Management	<ul style="list-style-type: none"> The contractor/executioner of work will be responsible for drawing up all QCP documentation and this must be approved by engineering and authorised by the Quality Department before commencing with the work. Contractors/executioner to adhere to QM 58 and OMOP4497 requirements Number of NCR issued can affect your next tendering process. The QCP shall be signed progressively by the Engineer/Supervisor, Eskom QC Inspector, Contractor QC Inspector and/or AIA. 	Hold point	Contractor

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		<ul style="list-style-type: none"> No procuring of outage items without the approval of scopes by quality All outage scopes creep and scopes addition should be approved by quality No contractor should be in the possession of scopes for execution without the scopes approved by quality The contractor is subjected to quality auditing at any point in time during execution of scope 		
1.4	Inputs from other departments	Not Applicable		
1.5	Commissioning reference	Not Applicable		

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Scope of work for supply and delivery of new C & I Equipment (Thermocouples and gauges).

	SCOPE OF WORK DESCRIPTION / ACTIVITY	PROCEDURE, SPECIFICATION, ENG. REQUIREMENTS / DOCUMENTATION	HOLD POINTS, WITNESS, REPORTS	RESPONSIBLE PARTY
2.1	Supply and delivery of C & I Equipment (Thermocouples and gauges), as stock items for stock replenishment for a period of five (5) years at Matla Power Station.	<p>Spares to be supplied as and when required by the end-user for the duration of 5(five) years</p> <p>Supply and deliver new field Instrumentation as per the list and specifications outlined below on the bill of material and according to the indicated quantities. The Field instrumentation shall be packaged and handled properly according to the OEM and industry best practices.</p> <p>The Supplier shall be able to supply no less than the required quantities indicated. All the instrumentation delivered need to have a minimum of 1 year warranty/guarantee accompanying it.</p>	WITNESS	CONTRACTOR

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BILL OF MATERIAL

No.	DESCRIPTIONS	FULL DESCRIPTION MATERIAL/SPARES/EQUIPMENT	Stock No	Estimated Quantity (For five years)
1.	RTD	TRANSMITTER, TEMPERATURE: RANGE: -20 TO 80 DEG C; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; TYPE: RTD PROGRAMMABLE; MOUNT: HEAD; CONNECTION: NPT 1/2 IN; SUPPL P/N: SHE 56173; RTD COMPLETE WITH HEAD MOUNT TRANSMITTER, LENGHT TO BEGINNING OF 1/2 INCH NPT FITTING: 100MM, OD 6MM	0227204	50
2.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: SIMPLEX; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 3; SHEATH MATERIAL: SS GR 316; HEAD: YES; REFERENCE NO: 102C009401, UNK; ELEMENT SIZE 6MM DIA X 170MM LG; SINGLE ELEMENT; MINERAL INSULATED, COMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD; TYPE OF RTD TO BE MARKED PERMANENTLY ON HEAD	0120800	50
3.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TEMPERATURE RATING: 40-70 DEG C; RESISTANCE: 3 MA; WIRE: 3; SHEATH MATERIAL: SS; OEM P/N: 45-53070; DRAWING NO: 45-10761-SP11T002 REV A, 45-10761-SP11T003 REV A, 45-10761-SP11T011 REV A, 45-10761-SP11T021 REV A, 45-10761-SP11T022 REV A; ELEMENT MATERIAL NICKEL, FOR STATOR COOLING LIQUID SYSTEM ON 600MW TURBO GENERATORS; RTD1-S04	0143824	25
4.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; SHEATH MATERIAL: SS GR 316; HEAD: YES; REFERENCE NO: B25-290-75-3P100, UNK; DEVICE, SINGLE ELEMENT, MINERAL INSULATED; COMPLETE WITH SMALL DIE CAST HEAD; TYPE TO BE MARKED PERMANENTLY ON HEAD; ELEMENT SIZE: 6MM DIA X 260MM LG	0148102	25

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5.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: NPT 1/2 IN; HEAD: YES; REFERENCE NO: C74451-A184-A1, UNK; ELEMENT SIZE 5MM DIA X 310MM LG, WITH SCREW CONNECTOR; SINGLE ELEMENT; MINERAL INSULATED; COMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD; TYPE OF RTD TO BE MARKED PERMANENTLY ON HEAD	0150518	25
6.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PYRO; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; SHEATH LENGTH: 150 MM; WIRE: 3; SHEATH DIAMETER: 20 MM; MODEL NO: PT100, UNK; ELEMENT SIZE 6MM DIA X 80MM LG, MINERAL INSULATED PYRO TYPE; 1.5MM PITCH THREADED SHAFT SLEEVE WITH 30MM OUTSIDE DIAMETER HEXAGON SHOULDER AND 1 LOCK NUT; LENGTH OF THREAD 35MM; LENGTH FROM ELEMENT TO BEGINNING OF THREAD 80MM; TO HAVE PVC FLEXIBLE LEAD 6000MM LONG; COLOUR OF TAILS 2 X BROWN, 1 X YELLOW; MUST BE ABLE TO WITH STAND A CERTAIN AMOUNT OF VIBRATION	0151874	50
7.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; HEAD: YES; REFERENCE NO: BR3-4, UNK; ELEMENT SIZE 8MM DIA X 200MM LG, DEVICE WITH MALE SCREW CONNECTOR; SINGLE ELEMENT; MINERAL INSULATED; TOTAL LENGTH 200MM; OUTSIDE DIAMETER 8MM; LENGTH OF STEM BELOW SCREW CONNECTOR: 86MM; SIZE OF SCREW CONNECTOR 26MM X 2MM PITCH; LENGTH OF THREAD 13MM; STAINLESS STEEL STEM; LARGE ALUMINIUM KH	0156019	50
8.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; SHEATH MATERIAL: SS; HEAD: YES; REFERENCE NO: BFL50, UNK; ELEMENT SIZE 8MM DIA X 195MM LG, DEVICE WITH 165MM OUTSIDE DIAMETER STAINLESS STEEL FLANGE; SINGLE ELEMENT; MINERAL INSULATED; TOTAL LENGTH 195MM; OUTSIDE DIAMETER 8MM; LENGTH OF STEM BELOW FLANGE: 100MM; THICKNESS OF FLANGE 15MM; SIZE OF FOUR HOLES IN FLANGE: 17.4MM OUTSIDE DIAMETER; STAINLESS STEEL STEM; ALUMINIUM KH LARGE	0156018	50

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9.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; SHEATH MATERIAL: SS GR 316; HEAD: YES; DEVICE LENGTH TO BEGINNING OF EXTENSION 187MM; OUTSIDE DIAMETER 6MM; COMPLETE WITH M18 X 1.5MM PITCH X 12MM OUTSIDE DIAMETER STAINLESS STEEL CONNECTION AND LARGE DIE CAST ALUMINIUM, TO BE SPRING LOADED; LENGTH INCLUDING EXTENSION 347MM; MINERAL INSULATED; CONTINUOUS RATING 540 DEGREE CELCIUS; TO BE MARKED PERMANENTLY ON TWO WIRE SYSTEM; ELEMENT SIZE 6MM DIA X 187MM LG	0155842	50
10.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: NPT 1/2 IN; HEAD: YES; MODEL NO: PT100; ELEMENT SIZE 5MM DIA X 120MM LG, SINGLE ELEMENT; MINERAL INSULATED; TO BEGINING OF THREAD; COMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD; TYPE TO BE MARKED PERMANANTLY ON HEAD	0155905	50
11.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: NPT 1/2 IN; HEAD: YES; REFERENCE NO: 0214-293; ELEMENT SIZE 5MM DIA X 205MM LG, WITH SINGLE ELEMENT; MINERAL INSULATED; COMPLETE WITH SMALL DIE CAST HEAD; TYPE OF RTD TO BE MARKED PERMANENTLY	0155976	50
12.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TEMPERATURE RATING: 100 DEG C; RESISTANCE: 100 OHM; SHEATH LENGTH: 135 MM; SHEATH MATERIAL: SS GR 316; NUMBER OF SENSORS: SINGLE; REFERENCE NO: PT100, UNK; SUPPL P/N: SHE52552; FOR DUST PLANT BLOWERS, 7 M TEF/TEF S/S	0246850	50
13.	RTD	DETECTOR, RESISTANCE TEMPERATURE: SHEATH LENGTH: 150 MM; WIRE: 3; SHEATH MATERIAL: SS; SHEATH DIAMETER: 20 MM; MODEL NO: PT100, UNK; ELEMENT MATERIAL NICKEL, ELEMENT SIZE 150MM DIA X 6MM LG, MINERAL INSULATED PYRO TYPE; WITH THREADED SHAFT SLEEVE WITH	0153524	25

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		30MM OUTSIDE DIAMETER HEXAGON SHOULDER AND 1 LOCK NUT; LENGTH OF THREAD 35MM; OUTSIDE DIAMETER OF RTD 6MM; LENGTH FROM ELEMENT TO BEGINNING OF THREAD 80MM; TO HAVE PVC FLEXIBLE LEAD 1500MM LONG WITH 500MM STAINLESS STEEL SPRAG; COLOUR OF TAIL 2 X BROWN, 1 X YELLOW; MUST BE ABLE TO WITHSTAND A CERTAIN AMOUNT OF VIBRATION		
14.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TEMPERATURE RATING: 0-100 DEG C; WIRE: 2; SHEATH MATERIAL: SS; HEAD: YES; MODEL NO: PT100; OHM 100 OHM, ELEMENT SIZE 12MM DIA X 350MM LG, WITH 115MM OUTSIDE DIAMETER STAINLESS STEEL FLANGE; SINGLE ELEMENT; MINERAL INSULATED; LENGTH OF STEM BELOW FLANGE 250MM; THICKNESS OF FLANGE 14MM; SIZE OF FOUR HOLES IN FLANGE 14MM OUTSIDE DIAMETER; LARGE ALUMINIUM HEAD KH	0156020	25
15.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 3; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: NPT 1/2 IN; ELEMENT SIZE 293 MM LG, DOUBLE ELEMENT; MINERAL INSULATED; FROM ELEMENT SIDE FIRST 235MM/ 6MM OUTSIDE DIAMETER; NEXT 42MM/16MM OUTSIDE DIAMETER; LAST 16MM; COMPLETE WITH 60MM PIGTAILS; TYPE TO BE ENGRAVED OR ETCHED ON STEM	0155894	25
16.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TEMPERATURE RATING: 300 DEG C; RESISTANCE: 100 OHM; WIRE: 4; SHEATH SIZE: 6 MM; SHEATH MATERIAL: SS; SHEATH DIAMETER: 6 MM; NUMBER OF SENSORS: SINGLE; REFERENCE NO: PT100 4942920001~DETECTOR;4942920001, UNK; 632 MM TO BELOW PLATE	0243078	25
17.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 2; SHEATH MATERIAL: SS GR 316; HEAD: YES; MODEL NO: PT100, UNK; ELEMENT SIZE 6MM DIA X 740MM LG, DOUBLE ELEMENT; MINERAL INSULATED; WITH 43MM OUTSIDE DIAMETER SPRINGLOADED CERAMIC BLOCK TO FIT ALUMINIUM HEAD; TYPE TO BE MARKED PERMANANTLY	0155996	25
18.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; SHEATH LENGTH: 820 MM; WIRE: 2; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: NPT 1/2 IN; HEAD: YES; SHEATH DIAMETER: 5 MM; MODEL NO: PT100; WITH MALE SCREW	0155833	25

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		CONNECTOR; SINGLE ELEMENT; MINERAL INSULATED COMPLETE WITH SMALL DIE CAST ALUMINIUM HEAD; TYPE TO BE MARKED PERMANENTLY ON HEAD		
19.	RTD	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-100 DEG C; RESISTANCE: 100 OHM; WIRE: 3; SHEATH MATERIAL: SS GR 316; HEAD: YES; ELEMENT SIZE 6MM DIA X 2000MM LG, DEVICE DOUBLE ELEMENT; MINERAL INSULATED; LENGTH 2000MM; OUTSIDE DIAMETER 6MM WITH 43MM OUTSIDE DIAMETER; PLATE AND CERAMIC BLOCK TO FIT ALUMINIUM HEAD, TO BE MARKED PERMANENTLY ON PLATE	0155902	25
20.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 80 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH 51MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK TO FIT KH HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145238	25
21.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 90 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; WIRE SIZE 1MM	0153410	25
22.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 105 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD, FROM HOT JUNCTION FIRST 15MM MUST BE 3MM OUTSIDE DIAMETER, NEXT 50MM MUST BE 6MM OUTSIDE DIAMETER; FINAL 40MM MUST BE 12MM OUTSIDE DIAMETER; MINERAL INSULATED; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145239	25
23.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 110 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0153432	25

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24.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 120 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; REFERENCE NO: PSKWKZE60-150-250, UNK; WITH SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0153412	50
25.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 125 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; REFERENCE NO: PSKWKZE60-120-250, UNK; WITH SMALL DIE CAST HEAD; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; MINERAL INSULATED; CONNECTION COMPRESSION; WIRE SIZE 1MM	0153411	25
26.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 150 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; REFERENCE NO: PSKWKZE60-180-250, UNK; WITH SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0153413	50
27.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 160 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; REFERENCE NO: K-160-M20-51, UNK; COMPLETE WITH M20 X 1.5MM PITCH; WITH SEALING O-RING AND SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG; CONNECTION: QUICK DISCONNECT; WIRE SIZE:1MM	0155799	25
28.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 160 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL	0145241	50

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		DIE CAST AL HEAD; MINERAL INSULATED; MATERIAL TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM		
29.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 200 MM; TEMPERATURE RANGE: 500 DEG C; SHEATH MATERIAL: SS; PROCESS CONNECTION: COMPRESSION; JUNCTION: SIMPLEX, UNGROUNDED; HEAD: YES; 1.5MM WIRE SIZE; WITH SMALL DIE CAST ALUMINIUM HEAD	0239018	20
30.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 205 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; FROM HOT JUCTION THE FIRST 23MM MUST BE 3MM OD; THE NEXT 140MM MUST BE 6MM OD; THE FINAL 42MM MUST BE 12MM OD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145240	25
31.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 240 MM; TEMPERATURE RANGE: 0-600 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; HEAD: YES; SUPPL P/N: T1-TAA-KSS60; WITH LARGE ANSI HEAD AND T19 ANALOG HEAD MOUNT TRANSMITTER; CONNECTION NONE	0198211	25
32.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 1.5 MM; DESIGN LENGTH: 245 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; WITH POTSEAL AND 100MM PIGTAILS; FROM HOT JUNCTION 1ST 15MM MUST BE 1.5MM OUTSIDE DIAMETER; NEXT 105MM MUST BE 3MM OUTSIDE DIAMETER AND THE FINAL 125MM MUST BE 1.5MM OUTSIDE DIAMETER; THE POTSEAL MUST HAVE A 1 MM WIDE GROOVE AND THE OUTSIDE DIAMETER 12MM AND REDUCING TO 6MM OUTSIDE DIAMETER; THE 3MM SECTION MUST HAVE A 6MM WASHER SOLDERED 75MM FROM THE BEGINNING OF THE 3MM SECTION; COMPLETE WITH SPRING AND M10 X 1.5MM PITCH SECURING SCREW BEHIND SOLDERED WASHER; CONNECTION QUICK DISCONNECT; WIRE SIZE 1.5MM	0153424	25

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33.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 1.5 MM; DESIGN LENGTH: 505 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; WITH POTSEAL AND 100MM PIGTAILS; FROM HOT JUNCTION 1ST 15MM MUST BE 1.5MM OUTSIDE DIAMETER; NEXT 105MM MUST BE 3MM OUTSIDE DIAMETER AND THE FINAL 385MM MUST BE 1.5MM; THE POT SEAL MUST HAVE A 1MM WIDE GROOVE AND THE OUTSIDE DIAMETER 12MM AND REDUCING TO 6MM OUTSIDE DIAMETER; THE 3MM SECTION MUST HAVE A 6MM OUTSIDE DIAMETER X 1.5MM WIDE WASHER SOLDERED 75MM FROM THE BEGINNING OF THE 3MM SECTION; COMPLETE WITH SPRING AND M10 X 1.5MM PITCH SECURING SCREW BEHIND SOLDERED WASHER; CONNECTION QUICK DISCONNECT; WIRE SIZE 1MM	0153425	25
34.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 187 MM; TEMPERATURE RANGE: 540 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 18 MM NPT; JUNCTION: DUPLEX; HEAD: YES; SUPPL P/N: K-187-M18-AH; COMPLETE WITH M18 X 1.5MM PITCH X 12MM OUTSIDE DIAMETER; STAINLESS STEEL CONNECTION AND LARGE DIE CAST ALUMINIUM HEAD; THERMOCOUPLE TO BE SPRING LOADED; LENGTH INCLUDING EXTENSION 347MM; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG; WIRE SIZE 1MM	0155967	25
35.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 255 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; OVERALL LENGTH EXCLUDING HEAD; FROM HOT JUNCTION THE FIRST 23MM MUST BE 3MM OD; NEXT 190MM MUST BE 6MM OD AND FINAL 42MM MUST BE 12MM OD; TYPE TO BE MARKED ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145242	25
36.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 270 MM; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST HEAD, TYPE OF THERMOCOUPLE	0145243	25

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		TO BE MARKED PERMANENTLY ON HEAD; MINERAL INSULATED; CONNECTION COMPRESSION; WIRE SIZE 1MM		
37.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 10 MM; DESIGN LENGTH: 260 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145244	25
38.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 294 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; FROM HOT JUNCTION FIRST 22MM OD IS 3MM; NEXT 230MM MUST BE 6MM OD; FINAL 42MM MUST BE 12MM OD; MINERAL INSULATED; CONNECTION COMPRESSION; WIRE SIZE 1MM	0153433	25
39.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 295 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; WITH 43MM OUTSIDE DIAMETER PLATE AND 55MM PIGTAILS, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE, CONNECTION COMPRESSION, WIRE SIZE 1.5MM	0155897	25
40.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 310 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH 43MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK; TO FIT AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE; CONNECTION COMPRESSION; WIRE SIZE 1MM	0153038	25
41.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 375 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0155860	25
42.	THERMOCOUPLE	THERMOCOUPLE: SHEATH DIAMETER: 4 MM; DESIGN LENGTH: 115 MM; SHEATH MATERIAL: NICHROME NI-CR-NI; PROCESS CONNECTION: OPEN ENDED; JUNCTION: NOT GROUNDED; WIRES: 2;	0155872	25

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		OEM P/N: 9133-022, OEM: GE STEAM POWER SERVICE; DRAWING NO: 9133-022 REV 0; TAIL: LG 8 M; WIRE SIZE: 2 MM; FOR AUXILIARIES, TEMPERATURE MEASUREMENT JOURNAL BEARING; MAN ONLY ACCEPTABLE		
43.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 440 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; MM OUTSIDE DIAMETER; COMPLETE WITH 1M PIGTAIL; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145245	50
44.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 500 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; FROM HOT JUNCTION FIRST 22MM MUST BE 3MM OUTSIDE DIAMETER; NEXT 433MM MUST BE 6MM OUTSIDE DIAMETER; FINAL 45MM MUST BE 12MM OUTSIDE DIAMETER; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145246	25
45.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 780 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; FROM HOT JUNCTION FIRST 23MM MUST BE 3MM OUTSIDE DIAMETER; NEXT 720MM MUST BE 6MM OUTSIDE DIAMETER; FINAL 37MM MUST BE 12MM OUTSIDE DIAMETER; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0145247	25
46.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 380 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0151873	25
47.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 8 MM; DESIGN LENGTH: 145 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS; PROCESS CONNECTION: 1/2 IN-BSP; JUNCTION: SINGLE; HEAD: YES; REFERENCE NO: K-145-850-0,5 AH, UNK; COMPLETE WITH 850MM FLEXIBLE EXTENSION; BRASS CONNECTION AND LARGE AL HEAD; FLEXIBLE ARMoured SHEATH, MINERAL	0153035	25

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		INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; MUST BE SIMILAR TO REDLAND ENGINEERING; WIRE SIZE 1MM		
48.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: WITHOUT FITTING; JUNCTION: SINGLE; 1 MM WIRE SIZE, CONNECTION COMPRESSION, WITH 10M BRAIDED PIGTAIL, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANANTLY ON SHEATH	0153422	10
49.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 3.7 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; HEAD: YES; WITH LARGE DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1MM	0153423	100
50.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 390 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: NPT 12 MM; JUNCTION: SING*LE; HEAD: YES; REFERENCE NO: K-390-M12-5H, UNK; COMPLETE WITH M12 X 1.75MM PITCH, FIXED BRS CONNECTION AND LOCK NUT; WITH SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG; WIRE SIZE 1MM	0155800	25
51.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 853 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; REFERENCE NO: K-853-M20-5H, UNK; COMPLETE WITH M20 X 1.5MM PITCH; SMALL DIE CAST AL HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; THERMOCOUPLE MUST BE SIMILAR TO REDLAND ENG; CONNECTION QUICK DISCONNECT; WIRE SIZE 1MM	0155801	25
52.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 890 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; 1MM WIRE SIZE, CONNECTION COMPRESSION, WITH SMALL DIE CAST ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD	0155848	25
53.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 1.438 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; 1MM WIRE	0155861	60

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		SIZE, CONNECTION COMPRESSION, WITH SMALL DIE CAST ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD		
54.		THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 710 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; WITH 100MM PIGTAILS; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON SHEATH; CONNECTION COMPRESSION; WIRE SIZE 1MM	0155862	25
55.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; 1MM WIRE SIZE, CONNECTION COMPRESSION, WITH SMALL DIE CAST ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD	0155863	25
56.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 4.8 MM; DESIGN LENGTH: 810 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SIMPLEX, UNGROUNDED; HEAD: YES; WITH SMALL DIE CAST AL HEAD; FROM HOT JUNCTION FIRST 700MM MUST BE 4.8MM OD; FINAL 110MM MUST BE 8MM OD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON HEAD; CONNECTION COMPRESSION; WIRE SIZE 1 MM	0155868	25
57.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 710 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH 43MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK TO FIT ALUMINIUM HEAD; MINERAL INSULATED; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE; CONNECTION COMPRESSION; WIRE SIZE 1MM	0155895	25
58.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; 1.5MM WIRE SIZE, CONNECTION COMPRESSION, WITH 80MM PIGTAIL, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON SHEATH	0155903	25
59.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/4 IN-NPT; JUNCTION: SINGLE; 1.5 MM WIRE SIZE; WITH 1500MM BRAIDED TAIL, FROM HOT JUNCTION FIRST 105MM MUST	0155906	80

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		BE 3MM OUTSIDE DIAMETER WITH COMPLETE BAYONET FITTING, NEXT 895MM MUST BE 6MM OUTSIDE DIAMETER COMPLETE WITH -1/4 INCH NPT MALE BRASS CONNECTOR, CAPABLE OF BENDING, TYPE OF T/C TO BE MARKED PERMANENTLY ON SHEATH		
60.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1.34 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/4 IN-NPT; JUNCTION: SINGLE; 1.5MM WIRE SIZE, WITH 1500MM BRAIDED TAIL, FROM HOT JUNCTION FIRST 105MM MUST BE 3MM OUTSIDE DIAMETER WITH COMPLETE BAYONET FITTING, NEXT 1235MM MUST BE 6MM OUTSIDE DIAMETER COMPLETE WITH BRASS CONNECTOR, CAPABLE OF BENDING, TYPE OF T/C TO BE MARKED PERMANENTLY ON SHEATH	0155907	60
61.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 1.5 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/4 IN-NPT; JUNCTION: SINGLE; WITH 1500MM BRAIDED TAIL, FROM HOT JUNCTION FIRST 130 MM MUST BE 3MM OUTSIDE DIAMETER WITH COMPLETE BAYONET FITTING, NEXT 1395MM MUST BE 6MM OUTSIDE DIAMETER COMPLETE WITH -BRASS CONNECTOR, CAPABLE OF BENDING, TYPE OF T/C TO BE MARKED PERMANENTLY ON SHEATH	0155908	60
62.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 2 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; 1MM WIRE SIZE, CONNECTION COMPRESSION, OUTSIDE DIAMETER 6MM WITH 51MM OUTSIDE DIAMETER PLATE, CERAMIC SPRING LOADED BLOCK TO FIT KH HEAD, SHEATH MATERIAL TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE	0155971	60
63.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 430 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH 51MM OD PLATE AND CERAMIC BLOCK TO FIT KH HEAD; MINERAL INSULATED; MEASURING RANGE 550 DEG C CONTINUOUS; TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE; CONNECTION COMPRESSION; WIRE SIZE 1MM	0155986	25
64.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 440 MM; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: SINGLE; HEAD: YES; WITH 50MM	0155988	60

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		OD PLATE AND SPRING LOADED CERAMIC BLOCK; TO FIT KH HEAD; MINERAL INSULATED; MEASURING RANGE 550 DEG C CONTINUOUS, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE; CONNECTION COMPRESSION; WIRE SIZE 1MM		
65.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 2 M; TEMPERATURE RANGE: 0-1100 DEG C; SHEATH MATERIAL: SS GR 316; JUNCTION: DUAL; HEAD: YES; 1MM WIRE SIZE, CONNECTION COMPRESSION, WITH 50MM OUTSIDE DIAMETER PLATE AND CERAMIC BLOCK TO FIT ALUMINIUM HEAD, MINERAL INSULATED, TYPE OF THERMOCOUPLE TO BE MARKED PERMANENTLY ON PLATE	0156013	35
66.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 485 MM; TEMPERATURE RANGE: 550 DEG C; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/2 IN-NPT; JUNCTION: UNGROUNDED; HEAD: YES; SUPPL P/N: T1 TABKDS30; WITH 43MM OD SPRING LOADED BLOCK AND DIN CLAMP LID HEAD WITH GRADE 316 SS CONNECTOR; FROM HOT JUNCTION THE FIRST 65MM MUST BE 3MM OD AND THE FINAL 420MM MUST BE 6MM OD; LENGTH OF T/C BELOW 1/2 IN CONNECTOR 422MM; CONNECTION DUPLEX	0216728	50
67.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 1.5 MM; DESIGN LENGTH: 1.5 M; TEMPERATURE RANGE: 400 DEG C; SHEATH MATERIAL: SS; PROCESS CONNECTION: MALE 3/8 IN; JUNCTION: SINGLE; SUPPL P/N: 58312; PROCESS CONNECTION SCREW, COMPLETE WITH S/S MALE COMPRESSION FITTING, 1.5 MM TUBE, COLOUR OF PIGTAIL: GREEN AND WHITE, WITH POTSEAL, 160 MM PIGTAIL	0252770	25
68.	THERMOCOUPLE	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 20 M; TEMPERATURE RANGE: -270 TO 1260 DEG C; SHEATH MATERIAL: PVS ST/ST BRAID; PROCESS CONNECTION: 2 X 1/4 IN-BSP TO 6 MM PIPE MALE STUD; JUNCTION: SIMPLEX; OEM P/N: T1TEBKSS15; UNGROUNDED TYPE ONLY; 60MM LONG BY 1.5MM OD WITH POT SEAL SIZE 6MM BY 50MM LONG TO FIT A COMPRESSION GLAND FITTING ON; 42MM PVC WITH STAINLESS STEEL OVER BRAIS BRAIDED COMPENSATING LEAD; TO BE SUPPLIED WITH 2 X 1/4 INCH BSP MALE STAINLESS STEEL GLAND FITTINGS	624010	25
69.	THERMOCOUPLE	THERMOCOUPLE: TYPE: CASING; SHEATH DIAMETER: 3 MM; DESIGN LENGTH: 3500+15000 MM; TEMPERATURE RANGE: -40 TO 1000 DEG C; SHEATH MATERIAL: ALLOY STEEL; PROCESS	701968	5

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		CONNECTION: DIRECT CONNECTION; JUNCTION: GROUNDED; OEM P/N: 9135-009, OEM: GE STEAM POWER SERVICE; DRAWING NO: MATLA 9135-009; FOR IP/HP TURBINE		
70.	GAUGE	TRANSMITTER, PRESSURE: RANGE: 4-400 BAR; OUTPUT: 4-20 MA; SUPPLY: 24 VDC; CONNECTION: 1/2 IN-NPT; MOUNT: BRACKET; SUPPL P/N: 7MF4033-1GA10-1AA1-Z A01B11	150507	25
71.	AMPS GAUGE	METER: TYPE: ANALOG; RANGE: 0-200 A; READOUT: ANALOG; STYLE: PANEL MOUNT; APPLICATION: METERING PANEL; SPECIFICATION: ISO2001; VOLTAGE: 24 V; CURRENT: 5 A; DIMENSIONS: 72 X 72 MM; MANUF P/N: BEA20MAD7; INPUT 4-20MA	708491	25
72.	AMPS GAUGE	METER: TYPE: ANALOG; RANGE: 0-150 A; READOUT: ANALOG; STYLE: PANEL MOUNT; APPLICATION: METERING PANEL; VOLTAGE: 24 V; FREQUENCY RANGE: 50 HZ; CURRENT: 5 A; DIMENSIONS: 72 X 72 MM; MANUF P/N: BEA20MAD7; INPUT 4-20 MA	708492	25
73.	GAUGE	GAUGE, PRESSURE: RANGE: 0-760 WG; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155759	25
74.	GAUGE	GAUGE, PRESSURE: RANGE: -100 TO 1500 PA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155970	25
75.	GAUGE	GAUGE, PRESSURE: RANGE: -10 TO 6 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; NON FILLED	0155765	25
76.	GAUGE	GAUGE, PRESSURE: RANGE: -10 TO 15 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; NON FILLED; FRONT FLANGE	0155766	25
77.	GAUGE	GAUGE, PRESSURE: RANGE: -15 TO 25 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: PLASTIC; TUBE MATERIAL: STL; CONNECTION MATERIAL: STL; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; TYPE: DIAPHRAGM; NON FILLED; WITH 10MM INLET HOLE	0155767	25

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78.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-25 KPA; DIAL SIZE: 150 MM; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM PARALEL; MOUNT: PANEL; CONNECTION TYPE: BSP; BACK FLANGE; STATIC PRESSURE 10 000 KPA; OVER PRESSURE 300 KPA; GLYCERINE FILLABLE; TUBE MATERIAL: SS	0123062	25
79.	GAUGE	GAUGE, PRESSURE: RANGE: 0-60 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155803	25
80.	GAUGE	GAUGE, PRESSURE: RANGE: 0-60 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: LIQUID NONE CONDUCTING; TYPE: DIAPHRAGM; SUPPL P/N: W143X10C/100; WITH ELECTRICAL CONTACT, WITH 10MM INLET HOLE, FITTED WITH ONE BUILT IN CONTACT, ONE NORMALLY OPEN CONTACT, FOR USE ON DUST HOPPERS	0123009	25
81.	GAUGE	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK CENTER; MOUNT: STEM; FILLED: GLYCERIN; TYPE: BOURDON TUBE; REFERENCE NO: 63-100BA, UNK	0155958	25
82.	GAUGE	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK CENTER; MOUNT: STEM; FILLED: GLYCERIN; TYPE: BOURDON TUBE	0155761	25
83.	GAUGE	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK; MOUNT: STEM; FILLED: NONE; TYPE: BOURDON TUBE; SUPPL P/N: 100692	0155768	25
84.	GAUGE	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: NONE; TYPE: BOURDON TUBE; REFERENCE NO: 155F, UNK	0155957	25

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85.	GAUGE	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155888	25
86.	GAUGE	GAUGE, PRESSURE: RANGE: 0-100 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: NONE; TYPE: BOURDON TUBE; COMPLETE WITH ELECTRICAL CONTACTS, FRONT FLANGE, DOUBLE CONTACTS, ONE NORMALLY OPEN AND ONE NORMALLY CLOSE, 220 VOLT, 0.7 AMP CONTACT RATING	0155956	25
87.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-160 KPA; DIAL SIZE: 100 MM; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: METAL; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL BACK; CONNECTION TYPE: (2) BSPP; NON FILLED; STATIC PRESSURE 2500 KPA, PRESSURE CONNECTIONS TO BE IN-LINE; TUBE MATERIAL: BRS	0155968	25
88.	GAUGE	GAUGE, PRESSURE: RANGE: 0-160 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155875	25
89.	GAUGE	GAUGE, PRESSURE: RANGE: 0-160 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: CC; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155874	25
90.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-160 KPA; DIAL SIZE: 150 MM; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: GLYCERIN; CONNECTION TYPE: BSP; REFERENCE NO: 5015801, UNK; 2 BOTTOM ENTRY PARALLEL NEXT TO EACH OTHER; BACK FLANGE; STATIC PRESSURE 2500 KPA, OVER PRESSURE 1000 KPA; TUBE MATERIAL: SS	0123063	25
91.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-160 KPA; DIAL SIZE: 150 MM; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: GLYCERINE; CONNECTION TYPE: BSP; REFERENCE NO: IV21, UNK; 2 ENTRIES NEXT TO EACH OTHER; FRONT FLANGE, STATIC PRESSURE 1600 KPA; TUBE MATERIAL: SS	0125618	25

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92.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-160 KPA; DIAL SIZE: 150 MM; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK PARALEL; MOUNT: PANEL; FILLED: GLYCERIN; CONNECTION TYPE: BSP; COMPLETE WITH ELECTRICAL CONTACTS, FRONT FLANGE, SINGLE CONTACT 1NO; MAKES ON RISING PRESSURE; 220V; 1A CONTACT RATING; MAXIMUM PRESSURE: 1200 KPA; TUBE MATERIAL: SS	0155780	25
93.	GAUGE	GAUGE, PRESSURE: RANGE: 0-200 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: MS; TUBE MATERIAL: SS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; SINGLE CONTACT 1NO, MAKES ON RISING PRESSURE; 220V; 1A CONTACT RATING	0122999	25
94.	GAUGE	GAUGE, PRESSURE: RANGE: 0-250 KPA; DIAL SIZE: 40 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/8 IN; CASE MATERIAL: MS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK; MOUNT: STEM; NON FILLED	0153680	25
95.	GAUGE	GAUGE, PRESSURE: RANGE: 0-250 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155936	25
96.	GAUGE	GAUGE, PRESSURE: RANGE: 0-250 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0153006	25
97.	GAUGE	GAUGE, PRESSURE: RANGE: 0-250 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: NONE; TYPE: BOURDON TUBE	0155889	25
98.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-250 KPA; DIAL SIZE: 150 MM; CONNECTION SIZE: 1/2 IN; CONNECTION LOCATION: BOTTOM PARALEL; CONNECTION TYPE: BSP; TYPE: BOURDON TUBE; BACK FLANGE; SS; STATIC PRESSURE: 2500 KPA; OVER PRESSURE: 1000 KPA; GLYCERINE FILLABLE	0155769	25

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99.	GAUGE	GAUGE, PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 40 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/8 IN; CASE MATERIAL: MS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK CENTER; MOUNT: STEM; FILLED: NONE; TYPE: BOURDON TUBE	0153681	25
100.	GAUGE	GAUGE, PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: GLYCERIN; TYPE: BOURDON TUBE; NON FILLED	0155943	25
101.	GAUGE	GAUGE, PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: NONE; TYPE: BOURDON TUBE	0155772	25
102.	GAUGE	GAUGE, PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION LOCATION: BOTTOM; TYPE: BOURDON TUBE; GLYCERINE FILLABLE	0155771	25
103.	GAUGE	GAUGE, PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155876	25
104.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-400 KPA; DIAL SIZE: 150 MM; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM PARALLEL; MOUNT: PANEL; CONNECTION TYPE: BSP; BACK FLANGE, STATIC PRESSURE 4000 KPA, OVER PRESSURE 1000 KPA, GLYCERINE FILLABLE, WIKA BRAND; TUBE MATERIAL: SS	0155896	25
105.	GAUGE	GAUGE, PRESSURE: RANGE: -100 TO 500 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155946	50
106.	GAUGE	GAUGE, PRESSURE: RANGE: 0-500 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: MS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; WITH ELECTRICAL CONTACT, 1NO CONTACT, MAKES ON RISING PRESSURE; 220V; 1A CONTACT RATING	0122987	25

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107.	GAUGE	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: BRS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; FILLED: GLYCERIN; CASE MANUFACTURING METHOD: PRESSED; FRONT FLANGE, WIKA BRAND ONLY ACCEPTABLE	0155882	25
108.	GAUGE	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: NONE; NON FILLED	0155937	80
109.	GAUGE	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: PANEL; NON FILLED; FRONT FLANGE	0155774	25
110.	GAUGE	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: FLANGE FRONT; NON FILLED; WITH "U"-CLAMP, FILLABLE	0155762	25
111.	GAUGE	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155775	50
112.	GAUGE	GAUGE, PRESSURE: RANGE: 0-600 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS GR 316; TUBE MATERIAL: SS GR 316; CONNECTION MATERIAL: SS GR 316; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155782	50
113.	GAUGE	GAUGE, PRESSURE: RANGE: 0-800 KPA; DIAL SIZE: 50 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK CENTER; MOUNT: PANEL; FILLED: GLYCERIN; FRONT FLANGE	0154217	50
114.	GAUGE	GAUGE, PRESSURE: RANGE: 0-800 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; TYPE: BOURDON TUBE; NON FILLED	0153007	50
115.	GAUGE	GAUGE, PRESSURE: RANGE: 0-800 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: MS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS;	0155773	25

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		CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: NONE; TYPE: BOURDON TUBE; FRONT FLANGE		
116.	GAUGE	GAUGE, PRESSURE: RANGE: -100 TO 900 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; TYPE: BOURDON TUBE; SUPPL P/N: 160694; NON FILLED	0155858	25
117.	GAUGE	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155942	50
118.	GAUGE	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK; MOUNT: STEM; FILLED: GLYCERIN	0155777	25
119.	GAUGE	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION LOCATION: BOTTOM; TYPE: BOURDON TUBE; GLYCERINE FILLABLE	0155776	25
120.	GAUGE	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION LOCATION: BOTTOM; TYPE: BOURDON TUBE; REFERENCE NO: PBMC100, UNK; FRONT FLANGE, GLYCERINE FILLABLE.	0155779	25
121.	GAUGE	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION LOCATION: BOTTOM; TYPE: BOURDON TUBE; GLYCERINE FILLABLE	0155783	80
122.	GAUGE	GAUGE, PRESSURE: RANGE: 0-1000 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155796	25
123.	GAUGE	GAUGE, PRESSURE: RANGE: 1-1000 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: MS; TUBE MATERIAL: SS; CONNECTION MATERIAL: BRS; CONNECTION	0155969	25

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132.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK CENTER; MOUNT: PANEL; FILLED: NONE; TYPE: BOURDON TUBE; FRONT FLANGE WITH U CLAMP	0155904	25
133.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155890	25
134.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155945	25
135.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: STEM; NON FILLED	0155891	25
136.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; NON FILLED; FRONT FLANGE, GLYCERINE FILLABLE	0155912	35
137.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; GLYCERINE FILLABLE	0155993	25
138.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 3/8 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155770	25
139.	GAUGE	GAUGE, PRESSURE: RANGE: 0-2500 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155955	25
140.	GAUGE	GAUGE, PRESSURE: RANGE: 0-3000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION	0222624	25

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		LOCATION: BOTTOM; MOUNT: FLANGE REAR; NON FILLED; SYSTEM PRESSURE TO PRINTED ON BOTTOM HALF OF DIAL; WIKA BRAND ONLY		
141.	GAUGE	GAUGE, PRESSURE: RANGE: 0-4000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS GR 316; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155913	25
142.	GAUGE	GAUGE, PRESSURE: RANGE: 0-4000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION LOCATION: BOTTOM; TYPE: BOURDON TUBE; FRONT FLANGE; GLYCERINE FILLABLE	0155855	50
143.	GAUGE	GAUGE, PRESSURE: RANGE: 0-6000 KPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK CENTER; MOUNT: STEM; FILLED: GLYCERIN; FRONT FLANGE WITH U CLAMP	0155938	25
144.	GAUGE	GAUGE, PRESSURE: RANGE: 0-6000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK; MOUNT: PANEL; TYPE: BOURDON TUBE; NON FILLED; FRONT FLANGE WITH U-CLAMP	0155764	25
145.	GAUGE	GAUGE, PRESSURE: RANGE: 0-6000 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BACK; MOUNT: PANEL; NON FILLED	0155856	25
146.	GAUGE	GAUGE, PRESSURE: RANGE: 0-6000 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; TYPE: BOURDON TUBE; GLYCERINE FILLABLE	0155763	5
147.	GAUGE	GAUGE, PRESSURE: RANGE: 0-10 MPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: SURFACE; FILLED: GLYCERIN	0152595	25

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148.	GAUGE	GAUGE, PRESSURE: RANGE: 0-8000 KPA; DIAL SIZE: 150 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED; GLYCERINE FILLABLE	0155883	25
149.	GAUGE	GAUGE, PRESSURE: RANGE: 0-10 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; GLYCERINE FILLABLE	0155915	25
150.	GAUGE	GAUGE, PRESSURE: RANGE: 0-10 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: PANEL; NON FILLED	0155954	25
151.	GAUGE	GAUGE, PRESSURE: RANGE: 0-10 MPA; DIAL SIZE: 250 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155786	25
152.	GAUGE	GAUGE, PRESSURE: RANGE: 0-16 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION LOCATION: BOTTOM; TYPE: BOURDON TUBE; FRONT FLANGE; GLYCERINE FILLABLE	0155933	25
153.	GAUGE	GAUGE, PRESSURE: RANGE: 0-25 MPA; DIAL SIZE: 63 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: BRS FORGED; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: PANEL; FILLED: GLYCERIN; TYPE: BOURDON TUBE; WIKA BRAND ONLY ACCEPTABLE	0155885	25
154.	GAUGE	GAUGE, PRESSURE: RANGE: 0-10 MPA; DIAL SIZE: 160 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS GR 304; TUBE MATERIAL: SS GR 316; CONNECTION MATERIAL: SS GR 316; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; SUPPL P/N: 233-50-160; NON FILLED; TO BE COMPLETE WITH COOLING TOWER FOR HIGH TEMPERATURE; WIKA TYPE ONLY	0155899	25
155.	GAUGE	GAUGE, PRESSURE: RANGE: 0-25000 KPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/4 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: FLANGE REAR; NON FILLED; PRE-CHARGED PRESSURE TO BE PRINTED ON BOTTOM HALF OF DIAL, GLYCERINE FILLABLE, WIKA BRAND ONLY	0222623	25

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156.	GAUGE	GAUGE, PRESSURE: RANGE: 0-25 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: GLYCERIN	0155787	25
157.	GAUGE	GAUGE, PRESSURE: RANGE: 0-25 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BACK; MOUNT: PANEL; FILLED: NONE; TYPE: BOURDON TUBE	0155785	25
158.	GAUGE	GAUGE, PRESSURE: RANGE: 0-25 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: STL; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; TYPE: BOURDON TUBE; WITH ELECTRICAL CONTACTS; DOUBLE CONTACTS 1NO 1NC, 1 MAKES ON RISING PRESSURE AND 1 MAKES ON FALLING PRESSURE; 220V; 0.7A CONTACT RATING	0155784	25
159.	GAUGE	GAUGE, PRESSURE: RANGE: 0-25 MPA; DIAL SIZE: 150 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; TYPE: BOURDON TUBE; NON FILLED	0155884	25
160.	GAUGE	GAUGE, PRESSURE: RANGE: 0-40 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: NPT; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; FILLED: NONE	0155994	25
161.	GAUGE	GAUGE, PRESSURE: RANGE: 0-40 MPA; DIAL SIZE: 100 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: SS; TUBE MATERIAL: SS; CONNECTION LOCATION: BOTTOM; MOUNT: FLANGE FRONT; FILLED: NONE; TYPE: BOURDON TUBE; FRONT FLANGE; GLYCERINE FILLABLE	0155914	50
162.	GAUGE	GAUGE, PRESSURE: RANGE: 0-40 MPA; DIAL SIZE: 250 MM; CONNECTION TYPE: BSP; CONNECTION SIZE: 1/2 IN; CASE MATERIAL: MS; TUBE MATERIAL: BRS; CONNECTION MATERIAL: BRS; CONNECTION LOCATION: BOTTOM; MOUNT: STEM; NON FILLED	0155788	45
163.	GAUGE	GAUGE, PRESSURE: RANGE: 0-21 BAR; DIAL SIZE: 4.5 IN; CONNECTION TYPE: THD; CASE MATERIAL: AL CAST; TUBE MATERIAL: SS GR 316; CONNECTION MATERIAL: SS GR 316; CONNECTION LOCATION: BACK LOWER; MOUNT: PANEL; FILLED: NONE FILLED; 4.5"-1933-0-21BAR-1/4" LBM	0613019	25

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164.	GAUGE	GAUGE, PRESSURE: RANGE: 0-7 BAR; DIAL SIZE: 4.5 IN; CONNECTION TYPE: THD; CASE MATERIAL: AL CAST; TUBE MATERIAL: SS GR 316; CONNECTION MATERIAL: SS GR 316; CONNECTION LOCATION: BACK LOWER; MOUNT: PANEL; FILLED: NONE FILLED; 4.5"-1933-0-7BAR DUAL SCALE	0613018	25
165.	GAUGE	GAUGE, DIFFERENTIAL PRESSURE: RANGE: 0-1 BAR; DIAL SIZE: 4.5 IN; CONNECTION SIZE: FNPT 1/2 IN; CASE MATERIAL: AL CAST; CONNECTION MATERIAL: AL CAST; CONNECTION LOCATION: BACK LOWER; MOUNT: PANEL; FILLED: AIR	0613083	25

SCOPE COMPILATION REFERENCES				
SOURCE & Ref No.	Yes	No	N/A	Comments
Previous outage service reports		X		
Return to service data packages		X		
Maintenance Strategy with Rev number		X		
SAP defects (attach list as appendix)		X		
GHRMS (STEP) reports (Generation Heat Rate Management System)		X		
Online Condition Monitoring		X		
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Pre-outage performance test results		X		
Post outage performance test results		X		
GPSS/ Plant Performance data on UCLF incurred		X		
OMS / IIRMS recommendations (Audits Reports)		X		
Risk controls (IRM system)		X		
Previous audits and reviews (e.g. ERAP)		X		
Engineering Change Requests (Projects)		X		
LOPP strategy reports		X		
URS		X		
Philosophy (Outage)		X		
Condition Monitoring Report		X		
VA/PHD Viewer trends		X		
Corrective Actions		X		
CARAB reports		X		
Statutory Requirements		X		
Grid code requirements		X		
Waivers and Exemptions		X		
Calibration requirements		X		

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Previous Outage SOW variations		X		
Post Mortems Actions from previous outages		X		
Pre-Outage plant walks		X		
Risk based inspection (RBI) report		X		
Simulation, TOIs, OON, SI		X		

COMMENTS

ATTACHMENTS: DRAWINGS, SKETCHES, DIAGRAMS, INSTRUCTIONS, etc

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