

ANNEXURE - I Materials to be Imported - All Mines

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division/Unit
1	EMG MAGNETIC CLUTCH TYPE MPK2/30 FOR MSGB OF 1355/56/57, 1440/47/48	6,714,334.00	Germany	SME/MINES
2	MAGNETIC PARTICLE CLUTCH TYPE MPK2/30. RATED TORQUE 1250 NM RATED ELECTRICALVALUES 20A-220V/50HZ. WITH INDUCTIVE TRANSDUCERS BORE DIA 80H7 MM WITH TEMPERATURE FUSE WITH TSCHAN COUPLNG SX230 WITHOUT BRAKE WHEEL DIA 500MM DIMENSION SHEET MPK2/30.002A	6,396,038.00	Germany	SME/MINES
3	SPHERICAL ROLLER, CYLINDRICAL ROLLER, TAPER ROLLER, BALL BEARINGS ABOVE 85 MM BORE	70,000,000.00	Germany, Japan, Romania, Czechoslovakia	SME/MINES
4	CARDON SHAFT- FLANGE DIA 315MMX3174X135 FOR 1447/78 BW DRIVE	1,505,484.00	Germany	SME/MINES
5	CARDON SHAFT FOR BUCKET WHEEL DRIVE OF 1400L BWE 1420-22 & MAN-I&II,COMPRESSED LENGTH (LZ): 3365 MM, MINIMUM LENGTH OF COMPONSATION (LA): 120 MM.	1,417,070.00	Germany	SME/MINES
6	CARDON SHAFT FOR BUCKET WHEEL DRIVE OF 1400L BWE L&T-1,2&3. COMPRESSED LENGTH (LZ) : 3300 MM , MAXIMUM LENGTH OF COMPONSATION (LA): 135 MM.	1,585,056.00	Germany	SME/MINES
7	BALL RACE COMPLETE ASSY WITH BALLS AND CAGES, BALL RACE SEGMENTS FOR 1400 BWE MADE OF STEEL 42CrMo4V AS PER DRAWING NO SME1250a,SME1252a,SME1253a, SME1254,SME1255 AND TECHNICAL DELIVERY CONDITION SME 1256b.	88,891,020.00	Germany, Australia	SME/MINES
8	MAIN SLEWING BALL RACE ASSEMBLY AS PER DRG.NO.SME 04/12 FOR 700L BWE 146,147,1571-74, 1027/28 , L&T-4, 1648-1650	102,642,530.00	Germany	SME/MINES
9	LOAD CELL NEW MODEL F1125 / OLD MODEL 3082 WITHOUT LIQUID FILLING , RANGE 0-160 KN ALONG WITH ACCESSORIES AS PER ANNEXURE-I ENCLOSED FOR BWE 1440/47/48 LBHW.	3,024,324.00	Germany	SME/MINES
10	TEC-SIS FORCE MEASURING UNIT COMPLETEAS PER ANNEXURE for Bucket wheel boom hoist of BWE 1420-22	3,621,800.00	Germany	SME/MINES
11	INDUCTION TYPE FORCE MEASURING UNIT FOR LOADING UNIT BELT-III HOIST WINCH ROPE FOR BWE 1420-22	1,365,190.00	Germany	SME/MINES
12	LOAD CELL NEW MODEL F1125/OLD MODEL 3082, WITHOUT LIQUID FILLING, RANGE 0-400 KN ALONG WITH ACCESSORIES AS PER ANNEXURE-I ENCLOSED FOR BWE 1440/47/48 BWHW.	2,094,496.00	Germany	SME/MINES
13	TEC-SIS FORCE MEASURING UNIT COMPLETE AS PER ANNEXURE ENCLOSED.for Bucket wheel boom hoist of BWE 146 and 147	1,818,057.00	Germany	SME/MINES
14	VDO FORCE MEASURING UNIT COMPLETE AS PERANNEXURE ENCLOSED.MTC III R.BOOM	933,831.00	Germany	SME/MINES
15	FORCE MEASURING UNIT COMPLETE Load Cell MODEL: F1125, SIZE: ND40, MEASURING RANGE: 0-160KN, ACCESSORIES BALL AND BALLCUP WITH PRESSURE MEASURING DEVICE WITH INDUCTION TYPE SWITCHES AND AMPLIFIER RELAY UNIT 110V A/C -Detailed specification as per Annexure FOR L & T MTC-7,8 AND 9	4,461,277.00	Germany	SME/MINES
16	INDUCTION TYPE FORCE MEASURING UNIT FOR RECEIVING BOOM HOIST WINCH ROPE FOR MAN SPR-I & II.	663,117.00	Germany	SME/MINES
17	INDUCTION TYPE FORCE MEASURING UNIT FOR DISCHARGE BOOM HOIST WINCH ROPE FOR MAN SPR I & II.	1,326,234.00	Germany	SME/MINES
18	Taper Roller Matched Bearing-31330X DF	2,627,765.60	Europe,US,Japan and Germany	Conveyor/Mines
19	Spherical Roller Bearing 23076	1,239,374.30	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
20	Spherical Roller Bearing 22338 CC W33	245,179.20	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
21	Spherical Roller Bearing 23248 CC W33	502,297.08	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
22	Spherical Roller Bearing 23268 CC/ W33	2,079,372.42	Czech Republic,Europe,US,Japan and Germany	Conveyor/Mines
23	Taper Roller Bearing 32324	198,791.64	Europe,US,Japan and Germany	Conveyor/Mines
24	Cylindrical Roller Bearing SL 18 2948	509,635.00	Europe,US,Japan and Germany	Conveyor/Mines

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25	Taper Roller Matched Bearing-31320X K11 A120-160	195,544.88	Europe,US,Japan and Germany	Conveyor/Mines
26	Taper Roller Matched Bearing-31328X K11 A160-200	930,529.12	Europe,US,Japan and Germany	Conveyor/Mines
27	Cylindrical Roller Bearing NCF 2980	675,511.54	Europe,US,Japan and Germany	Conveyor/Mines
28	Taper Roller Bearing 32230 AA280-330 NIICA	342,720.24	Europe,US,Japan and Germany	Conveyor/Mines
29	Cylindrical Roller Bearing SL 18 2972	1,737,376.70	Europe,US,Japan and Germany	Conveyor/Mines
30	Spherical Roller Bearing 23044 CKJ	211,797.60	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
31	Spherical Roller Bearing 23044 CC/W33	20,297.44	Czech Republic, Europe, US,Japan and Germany	Conveyor/Mines
32	Spherical Roller Bearing 23164	1,646,896.00	Czech Republic, Europe, US,Japan and Germany	Conveyor/Mines
33	Spherical Roller Bearing 23164K/W33	792,480.00	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
34	Spherical Roller Bearing 23264 BSK	1,760,000.00	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
35	Spherical Roller Bearing 23160 CACK/W33	1,034,386.70	Czech Republic,Europe,US,Japan and Germany	Conveyor/Mines
36	Spherical Roller Bearing 23160 ME	1,129,076.50	Czech Republic,Europe,US,Japan and Germany	Conveyor/Mines
37	Spherical Roller Bearing 24196 CAMK 30 E4	2,880,000.00	Czech Republic,Europe,US,Japan and Germany	Conveyor/Mines
38	Spherical Roller Bearing 24196 W33	2,880,000.00	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
39	Cylindrical Roller Bearing SL 1818/500 C3	546,071.40	Europe, US, Japan and Germany	Conveyor/Mines
40	Cylindrical Roller Bearing SL 1818/560 C3	764,496.00	Europe,US,Japan and Germany	Conveyor/Mines
41	Cylindrical Roller Bearing INA-XNU 3288/410 (Non-Locating Type) Bearing 547401 A	5,098,634.94	Europe,US,Japan and Germany	Conveyor/Mines
42	Cylindrical Roller Bearing INA-XNU 3288/410 (Locating Type) Bearing 544976A	5,104,557.00	Europe,US,Japan and Germany	Conveyor/Mines
43	Spherical Roller Bearing 22326	164,889.20	Czech Republic, Europe,US, Japan and Germany	Conveyor/Mines
44	Cylindrical Roller Bearing FAG 547400A	12,260,200.00	Europe,US,Japan and Germany	Conveyor/Mines
45	Cylindrical Roller Bearing NCF 2976	333,752.00	Europe,US,Japan and Germany	Conveyor/Mines
46	SPARES FOR ROUGHING MILLING AND CUTTING MACHINE RE-INFORCED RUBBER BUCKET FOR THE PENUMATIC RAM. Part No.:6.1.0.23-02.000.00	560,894.87	GERMANY	Conveyor/Mines
47	DOUBLE ACTING DIAPHRAGM SERIES 102, 160 X 50 M20 X 1.5 REF.NO: 601 129 703 OF CROSS FEED UNIT ASSEMBLY. Drawing No.:6-1-23-03-1-0-10, Part No.:601-129-703	402,253.20	GERMANY	Conveyor/Mines
48	BEARING HOUSING CROSS FEED UNIT ASSEMBLY OF AUTOMATIC BUFFING MACHINE. Drawing No.:6-1-0-23-03-1-00-01, Part No.:6-1- 0-23-03-1-05-04	317,250.52	GERMANY	Conveyor/Mines
49	CONTACT GAUGE IN THE PRESS PANEL (TO CONTROL THE HYDRAULIC OIL PRESSURE) 160 X 400 STANDARD 67335 OF 2000MM VULCANISING PRESS. Part No.:97738-06	453,420.89	GERMANY	Conveyor/Mines

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50	COMPACT HEATING ELEMENT ASSY. SUITABLE FOR OUT EXISTING MOUTING DIMENSIONS WITH IDENTICAL SS FLANGES & CONNECTORS WITH 36nos OF SS TUBES OF SIZE : 22MM X 25MM WITH BAFFLE PLATES, WITH OVER HEAT PROTECTING THERMOCOUPLE & DIGITAL INDICATOR CONTROLLER FOR TH	2,282,803.82	GERMANY	Conveyor/Mines
51	PNUEMATICALLY OPERATED 3 WAY VALVE FOR HOT OIL SYSTEM OF WAGENER PRESS	755,049.31	GERMANY	Conveyor/Mines
52	DIAPHRAM FOR PNUEUMATIC VALVE FOR 3 WAY VALVE	164,606.00	GERMANY	Conveyor/Mines
53	2/2 way Solenoid Valve, in rest position closed. Type : 256, Nominal Diameter : 10mm, seal NBR, Material : BRASS, 110v, 50HZ, 10Watt, Std. cable Head : 0-1 Bar. Connection : G 1/2 Bushing.	141,702.60	GERMANY	Conveyor/Mines
54	Hydro Drive Motor for Track - Type:- A6VM 500 HDZ/63W/VZH020B, for Transport crawler TPC3 & TPC4.	4,260,660.22	Germany	Conveyor/Mines
55	AXIAL PISTON VARIABLE VOLUME BIDIRECTIONAL FLOW PUMP FOR TC MODEL.CODE: A4VG 250 EP2D1 / 32L - NZ D10 F 69 1DH MAKE: REXROTH.	4,740,060.00	Germany	Conveyor/Mines
56	STEEL WIRE ROPE CUTTER TO CUT MAXIMUM 16 MM DIA ROPE	541,620.00	Switzerland	Conveyor/Mines
57	WIRE ROPE CUTTER SPARE COUNTERNUT C12/11	5,310.00	Switzerland	Conveyor/Mines
58	STEEL CORD CORE CUTTER SUITABLE FOR CUTTING MINIMUM 9 MM DIA CORD OF 2400 MM CONVEYOR BELT.	490,467.00	Switzerland	Conveyor/Mines
59	STEEL WIRE CUTTER SPARE SINGLE BLADE C 16/5	1,843,750.00	Switzerland	Conveyor/Mines
60	STEEL WIRE ROPE CUTTER SPARE HEXAGON SCREW C16/10	25,960.00	Switzerland	Conveyor/Mines
61	HV HRC fuses	10,00,000.00	Materials Imported & Supplied by Indian Dealers.	Electrical/Mines
62	EMG make Eldro Thruster Spares	41,00,000.00	Materials Imported from Germany & Supplied by Indian Dealers.	Electrical/Mines
63	Electrically operated Hydraulic Thrusters	70,00,000.00	Materials Imported & Supplied by Indian Dealers.	Electrical/Mines
64	Bearings	50,00,000.00	Materials Imported & Supplied by Indian Dealers.	Electrical/Mines
65	PLCs, Drives and their Spares	1,70,00,000.00	Materials Imported & Supplied by Indian Dealers.	Electrical/Mines
66	Battery for Walkie-talkie	10,00,000.00	Materials Imported & Supplied by Indian Dealers.	Electrical/Mines
67	ELEMENT FILTER, BALDWIN PT 707-HD (25 Microns)	1,300.00	USA	BHD/Mines
68	GEAR PUMP, COMMERCIAL PARKER MAKE CIC NO.: 323-9114-017	2,50,000.00	USA	BHD/Mines
69	VALVE, PILOT UNLOADING, R.CONRADER MAKE	15,000.00	USA	BHD/Mines
70	GEAR PUMP, PARKER MAKE P25 X 342 GE AB07-25, CIC NO.: 303-9113-325	1,45,000.00	USA	BHD/Mines
71	VACCUM RELIEF VALVE, PARKER MAKE Model code: HI-05-12 MP	15,500.00	USA	BHD/Mines
72	OVER CENTRE VALVE, MAKE - INTEGRATED HYDRAULICS	55,000.00	UNITED KINGDOM	BHD/Mines
73	TEMPERATURE SWITCH, NASON MODEL-TT-H1B-235R	8,500.00	USA	BHD/Mines
74	RELIEF VALVE, KEPNER 2300C 400	18,000.00	USA	BHD/Mines
75	HYDRAULIC FILTER, REXROTH 0330R010P-10	2,500.00	GERMANY	BHD/Mines
76	TANDEM GEAR PUMP, PARKER MAKE Model no: 328-9529-002	2,90,000.00	USA	BHD/Mines
77	TWO WAY VALVE, CEME Valve Model: 8616-V	10,500.00	ITALY	BHD/Mines
78	REPAIR KIT FOR SOLENOID VALVE CEME Valve Model: B6 110/50	2,500.00	ITALY	BHD/Mines
79	COIL FOR SOLENOID VALVE CEME Valve Model: B6 110/50	2,600.00	ITALY	BHD/Mines
80	AXIAL PISTON MOTOR A2FM45/61W-VPB020, REXROTH	2,00,000.00	GERMANY/TURKEY	BHD/Mines
81	TRACK LINK ASSEMBLY - D4 CLAUSE, Make - ITR, ITM, BERCO	1,25,000.00	ITALY/GERMANY	BHD/Mines
82	PISTON ROD SEAL, Make - KASTAS, Code K21-060/1, Size : 60-80-10	300	TURKEY	BHD/Mines
83	FILTER ELEMENT, PARKER Part No 932667Q	10,500.00	USA	BHD/Mines
84	FILTER ELEMENT, PARKER Part No 929927Q	11,000.00	USA	BHD/Mines
85	AXIAL PISTON MOTOR, A2FM56/61W-VPB010, REXROTH	2,20,000.00	GERMANY/TURKEY	BHD/Mines
86	RECOIL ASSEMBLY SPRING TYPE - TRACK, Make-ITR, ITM, BERCO	80,000.00	ITALY/GERMANY	BHD/Mines
87	TRACK TENSION CYLINDER ASSY. FOR D4 CLAUSE TRACK, Make-ITR, ITM, BERCO	15,000.00	ITALY/GERMANY	BHD/Mines
88	HOOK JAW, RIDGID MAKE	12,000.00	USA	BHD/Mines
89	HEEL JAW WITH PIN, RIDGID MAKE	4,850.00	USA	BHD/Mines

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90	SET OF SPRINGS - COIL AND FLAT, RIDGID MAKE	1,300.00	USA	BHD/Mines
91	NUT, RIDGID MAKE	2,550.00	USA	BHD/Mines
92	TRACK DRIVE GEARBOX, MAKE - BONFIGLIOLI	15,00,000.00	ITALY	BHD/Mines
93	ELEMENT FILTER, BALDWIN PT 707-HD - 3	1,600.00	USA	BHD/Mines
94	CONVERSION KIT REXROTH A4V PUMP TO DANFOSS PUMP	23,10,500.00	USA/GERMANY	BHD/Mines
95	ELEMENT FILTER, BALDWIN BT8874-MPG	4,522.00	USA	BHD/Mines
96	WIPER SEAL, Make- KASTAS, Type- K07, Code K07-080 PU	500	TURKEY	BHD/Mines
97	AUX. PUMP (26 CC), REXROTH 1PF2G3/026RD07MB	1,60,000.00	GERMANY	BHD/Mines
98	AUX. PUMP (38 CC), REXROTH 1PF2G3/038RD07MB	1,80,000.00	GERMANY	BHD/Mines
99	VALVE, ST. & RUN, NUCON	5,500.00	USA	BHD/Mines
100	SWITCH, HIGH AIR TEMPERATURE, NASON TT-F5B-245R/WL	7,200.00	USA	BHD/Mines
101	SWITCH, COMPRESSOR LOW OIL SUCO make and Model code 0180 457 03 003	6,200.00	USA	BHD/Mines
102	ACCUMULATOR, HYDAC SBO 100 - 0.7 E1/112A -100 AB	18,000.00	GERMANY	BHD/Mines
103	CHECK VALVE - PILOT OPERATED , REXROTH Model : SL 10 GA1-4X	9,000.00	GERMANY	BHD/Mines
104	AXIAL PISTON PUMP, DANFOSS MAKE Model Code : 90R100HS5BC60S4S1-F03GBA232328	5,24,000.00	USA/GERMANY	BHD/Mines
105	AXIAL PISTON MOTOR, A2FE90/61W-VAL100, REXROTH	2,70,000.00	GERMANY/TURKEY	BHD/Mines
	TOTAL in INR	404,953,220.93		

ANNEXURE - II Materials to be Imported - All Thermal Power Stations

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1	Mill Beater wheel	123,500,000.00	GE Power, Germany	NNTPP
2	Beater wheel Mounting car	16,100,000.00	HUBTEX, Germany	NNTPP
3	Mill Hydraulic coupling	239,700,000.00	Voith, Germany	NNTPP
4	Mill Double bearing	11,200,000.00	GE Power, Germany	NNTPP
5	After Burning Grate (ABG)	69,600,000.00	GE Power, Germany	NNTPP
6	Levelling vessel Level control valve	6,200,000.00	PARCOL, Italy	NNTPP
7	Water Lancer	6,700,000.00	CLYDE BERGMANN, Germany	NNTPP
8	Fuel Oil Skid	3,200,000.00	GE Power & KHUME, Germany	NNTPP
9	Mill Hydraulic system	900,000.00	Rexroth, Germany	NNTPP
10	Boiler Circulation pump (BCP)	31,400,000.00	HAYWARD TYLOR, UK	NNTPP
11	Dodge Bearing for Fdr & Belt Conveyor	3,400,000.00	Dodge-ABB, USA	NNTPP
12	Bearings for RAPH, ID & FD Fans	19,000,000.00	FAG/SKF/NTN/NSK/ZKL	NNTPP
13	HIMA PLC Programmable logic controller for BMS and BPS - controllers, Analor/Digital IO card, communication moduels, pre fab cables, accessories etc	6,000,000.00	HIMA, Germany/ Dubai	NNTPP
14	ABB DCS Distributed control system symphony plus spare Components containing controllers, Analor/ Digital IO card, communication moduels, pre fab cables, accessories etc	3,400,000.00	ABB / Germany,USA	NNTPP
15	Metso DCS Distributed control system Components containing controllers, Analog/Digital IO card, communication modules, pre fab cables, accessories etc	15,000,000.00	Valmet, Finland	NNTPP
16	VMS Vibration monitoring system viz vibration probe, keyphasor, Zero speed, Diff expn, controller etc for Supervisory etc.	6,500,000.00	Shinkawa, Japan	NNTPP
17	CEMS Effluent Analyser - SOx, Nox, SPM	700,000.00	CODEL, Bakewell, U.K	NNTPP
18	Turbine solenoid valves Trip solenoid valves	7,300,000.00	IMI-Norgren, EU	NNTPP
19	Balluff position transmitter Magnetostrictive Position feedback transmitters for EHTC, LPBP Main CV, LPBP sray CV, TDBFP MCV and TDBFP ACV	3,500,000.00	Balluff, EU	NNTPP
20	HP Bypass system Position transmitters, solenoid valves and LP Bypass System Solenoid Valves,	1,900,000.00	Wandfluh, Switzerland, Rexroth, Germany	NNTPP
21	Sodium, Silica Analysers Analyser spare parts, reagents	1,000,000.00	HACH, U.S.A	NNTPP
22	SWAS - Hydrazine analysers	100,000.00	SWAN, Switzerland	NNTPP

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23	SWAS - pH, conductivity Analysers, DO Analyser	200,000.00	Teledyne, U.S.A.	NNTPP
24	Specialised valves, actuators, smart positioners and transmitters	5,000,000.00	Germany, italy , japan	NNTPP
25	Mill instruments	2,000,000.00	Germany	NNTPP
26	Various PLCs and its accessories Programmable Logic control system Components containing controllers, Analor/Digital IO card, communication moduels, pre fab cables, accessories etc	7,500,000.00	Honeywell, Schneider, Siemens, ABB, GE FANUC, etc. from U.S.A and EU	NNTPP
27	Voith hydraulic coupling and spares for MDBFP	65,000,000.00	VOITH GERMANY	NNTPP
28	Control fluid filtration system	2,500,000.00	HILLIARD USA	NNTPP
29	Control Fluid Pump	40,000,000.00	KSB-GERMANY	NNTPP
30	Control Fluid Oil	40,000,000.00	LANXESS-GERMANY	NNTPP
31	HP/ LP bypass system	44,000,000.00	CCI GERMANY	NNTPP
32	Turbine governing Amplifier card and Solenoid valve	200,000.00	Rexroth, Germany	NNTPP
33	Turbidity analysers Analyser spare parts	100,000.00	Rosemount analytical (Emerson Process Management), U.S.A	NNTPP
34	Residual Chlorine Analyser Analyser and spare parts	500,000.00	HACH, U.S.A	NNTPP
35	Hydrogen density meter, CO analyser, O2 Analyser Analyser and spare parts	700,000.00	YOKOGAWA, Japan	NNTPP
36	Effluent / STP discharge analyser COD, BOD, pH Analyser	1,200,000.00	XYLEM Analytics, Germany	NNTPP
37	LHS Hydraulic drive unit for Belt conveyor Proportional Solenoid valves, skid instruments, transducers, switches and accessories	1,400,000.00	Rexroth, Germany	NNTPP
38	Acoustic Pyrometer	42,000,000.00	Lucent & Hitech systems, U.S.A.	NNTPP
39	Acoustic steam leak detect	2,500,000.00	Lucent & Hitech systems, U.S.A.	NNTPP
40	Flame Scanners and Ignition gun actuators Flame monitor, High energy ignitor, spark tip, actuator	800,000.00	DURAG, Germany	NNTPP
41	Smart Positioner Smart positioner, gauge block, link rod	100,000.00	Siemens , Germany	NNTPP
42	Smart Positioner Smart positioner, gauge block, link rod	100,000.00	ABB, Germany	NNTPP
43	Oil Burner Actuator Spares Sealkits, Bellow, spring, valve cone	1,500,000.00	KUHME, Germany	NNTPP
44	Water lance Spares Driving Unit, Position sensor, Module connector, Gear Motor with brake, Actuator service kit	4,500,000.00	CLYDE BERGEMANN, Germany	NNTPP
45	Mill Scoop Controller Actuator and Electronic control unit	2,100,000.00	ABB, Germany	NNTPP

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46	Mill Hydraulic brake and Water lance acutator limit switch Solenoid Valves and limit Switches	100,000.00	IMI Norgren, U.K.	NNTPP
47	Boiler Condensate Drain System spare Solenoid valves,	500,000.00	Rexroth, Germany	NNTPP
48	Parker hydraulic spares for stacker & Reclaimer Machine servo valves, positioner, sovs	400,000.00	Parker, U.S.A.	NNTPP
49	Hagglund drive hydraulic spare servo valves, positioner, sovs, controller cards, PT	1,700,000.00	Rexroth, Germany	NNTPP
50	ABB PLC cards for stacker & Reclaimer machine PLC Input and output cards	6,800,000.00	ABB / Germany,USA	NNTPP
51	Boiler Condensate Drain System Lube Oil Skid spare Skid instruments	700,000.00	PARCOL, Italy	NNTPP
52	Portable particle counting system for oil lubricants Mat Code:344820002	1,700,000.00	PAMAS S 40 Germany	NNTPP
53	VACUUM PUMP	13,000,000.00	KENFLOW	NNTPP
54	COLTCS-BALLS	1,600,000.00	SCHMITZ-GERMANY	NNTPP
55	HYDRAULIC SYSTEM FOR STACKER MACHINE 1 No	11,000,000.00	Italy & USA	NNTPP
56	HYDRAULIC SYSTEM FOR RECLAIMER MACHINE 2 Nos	57,000,000.00	Italy & USA	NNTPP
57	Hydraulic Drive Unit for CONVEYORS- BCN 2,5,6,8A & 8B 5 Nos	110,000,000.00	Sweden	NNTPP
58	Furnace flame camera and its accessories	5,000,000.00	Japan. Germany, Italy, U.S.A.	NNTPP
59	Stator wedge (slot wedge end) 40 x 112=216	24,500.00		TPS-I Expn.
60	Statorwedge (Slot wed. body)40x162=1134, 40x103=108, 40x125=108	24,500.00		TPS-I Expn.
61	GASKET 1/2 - 150 - 2 - B16.21 used by :19010. AEN KKS code: MKA38HA004A/116	3.92		TPS-I Expn.
62	GASKET 1/2 - 150 - 2- B16.21 used by :19010 AEN KKS Code: MKA38HA004A/166	3.92		TPS-I Expn.
63	GASKET used by : 80610, AEN KKS code: MKD38HA001A/002	241.82		TPS-I Expn.
64	GASKET used by : 80610, AEN KKS code: MKD38HA001A/003	683.30		TPS-I Expn.
65	GASKET used by : 80610, AEN KKS code: MKD38HA001A/004	126.46		TPS-I Expn.
66	GASKET used by : 80610, AEN KKS code: MKD38HA001A/005	110.92		TPS-I Expn.
67	O-RING 44.04 X 3.53 MM used by 80610 AEN KKS code: MKD38HA001A/009	11.76		TPS-I Expn.
68	GASKET used by : 80510, AEN KKS code: MKD38HA002A/002	241.82		TPS-I Expn.
69	GASKET used by : 80510, AEN KKS code: MKD38HA002A/003	683.30		TPS-I Expn.
70	GASKET used by : 80510, AEN KKS code: MKD38HA002A/004	126.46		TPS-I Expn.
71	GASKET used by : 80510, AEN KKS code: MKD38HA002A/005	110.92		TPS-I Expn.
72	O-RING 44.04 X 3.53 MM used by 80510, AEN KKS code : MKD38HA002A/009	11.76		TPS-I Expn.
73	Excitation Current Transducer Type:131QE40000BTDBAS1, Input: 180mV, Output 1: 10V, Output 2: 4-20 mA, Supply voltage: 24 Vcc, Code: 260595	7,667.84		TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
74	Transducer Card, Type: 4.TDBC1, Input: +or- 1V, Output 1: +or- 10 V, Output 2: 4-20 mA, Supply voltage: 24 Vcc, Code: 262839	3,616.59		TPS-I Expn.
75	ETON/Hydrokraft Make,Axial Piston Pump Model: PVXS130M for Paddle feeder	4,000,000.00		TPS-I Expn.
76	Parker Make,Hydraulic Motor , MODEL: F-12-80 FOR PADDLE FEEDER.	1,500,000.00		TPS-I Expn.
77	TZID C Intelligent Electro Pneumatic Positioner (Single Acting)	59,940.00		TPS-I Expn.
78	TZID - C Positioner (Double acting)	67,000.00		TPS-I Expn.
79	Solenoid Valve NADI - 3 WAY DIRECT ACTING SOV - 48VDC - 1/4 " NPT	23,500.00		TPS-I Expn.
80	Online SPM (Opacity) Analyser for measurement of Suspended Particulate Matter(SPM) in flue gas	27,000.00		TPS-I Expn.
81	SWAS Online Sodium analyser	361,462.50		TPS-I Expn.
82	MICROPROCESSOR BASED ON-LINE CONTINUOUS EMISSION MONITORING SYSTEM (CEMS) FOR MEASURING SOX, NOX & CO FROM THE FLUE GAS	2,150,000.00		TPS-I Expn.
83	High Energy Ignition Device with 3 mtrs Lance & ignition Tip Durag make High Energy Ignition Device with 3 mtrs Lance & ignition Tip Part No.:D-HG 400-50 1 3	272,500.00		TPS-I Expn.
84	Ignitor gun cylinder	1,340,775.00		TPS-I Expn.
85	Pneumatic actuator for Extraction Check valve to LP heater - Servo valve RAM 25/160 - Actuator Right, Fail close clockwise	5,150.00		TPS-I Expn.
86	Gasket kit for Servo valve Actuator RAM25/160	400.00		TPS-I Expn.
87	Gasket kit for Servo valve Actuator RGPM500/250	435.00		TPS-I Expn.
88	Gasket kit for Servo valve Actuator RPM100/202	420.00		TPS-I Expn.
89	Pneumatic actuator for Extraction Check valve to LP heater - Servo valve RAM 25/160 - Actuator Left, Fail close counterclockwise	5,150.00		TPS-I Expn.
90	Gasket kit for Servo valve Actuator RPM30/122	360.00		TPS-I Expn.
91	Pneumatic actuator (Left) for Extraction Check valve from IPT - Servo valve RAM 90/250 - Actuator Left, Fail close counterclockwise	6,020.00		TPS-I Expn.
92	Servo valve Actuator Model PAV 250			TPS-I Expn.
93	Servo valve Actuator Model PAV 200			TPS-I Expn.
94	Servo valve Actuator Model PCV 200			TPS-I Expn.
95	Servo valve Actuator Model PAV 160			TPS-I Expn.
96	TURBINE I BEARING PROBE HOUSING-	1,378.00		TPS-I Expn.
97	110VAC Power Supply 3500/15	1,344.00		TPS-I Expn.
98	Prox.Seismic Monitor 3500/42	3,365.00		TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
99	Rack Interface Module 3500/20	2,597.00		TPS-I Expn.
100	Vibration sensor for ID/FD fan, CEMB T1-40 V	78,728.00		TPS-I Expn.
101	TWK LVDT for MCV - IW254 / 64	140,831.00		TPS-I Expn.
102	TWK LVDT for ICV - IW254 / 115	142,591.00		TPS-I Expn.
103	Woodward CPU	12,000,000.00		TPS-I Expn.
104	Power supply module	500,000.00		TPS-I Expn.
105	Analog input module	800,000.00		TPS-I Expn.
106	Analog output module	800,000.00		TPS-I Expn.
107	Digital input module	700,000.00		TPS-I Expn.
108	Digital output module	700,000.00		TPS-I Expn.
109	AMPLIFIER EEA-PAM-535-D-32 - VICKERS	73,047.38		TPS-I Expn.
110	ONLINE PHOSPHATE ANALYSER, RANGE: 0.05 TO 5 PPM,	994,510.00		TPS-I Expn.
111	Scope tube Position Transmitter Magnet Cable (BALLUFF)	75,331.00		TPS-I Expn.
112	CCI make Safety control unit SSB10 - HP/LP Bypass system. 103.227.115.200.	4,499.00		TPS-I Expn.
113	CCI make Proportional control valve PV6- HP/LP Bypass system. 103.215.282.001	6,681.00		TPS-I Expn.
114	CCI make Pressure switch HYDROPA 20-350 Bar - HP/LP Bypass system Part No. 000.003.178.224	1,000.00		TPS-I Expn.
115	CCI Temperature indicator Bimetal range 0 - 120 Deg C - HP/LP Bypass system Part No. 000.003.180.005	280.00		TPS-I Expn.
116	CCI make Safety control unit SSB6 - HP/LP Bypass system Part No. 103.203.930.210	4,076.00		TPS-I Expn.
117	CCI make Proportional control valve PV4- HP/LP Bypass system Part No. 103.215.281.001	4,481.00		TPS-I Expn.
118	CCI make Safety control unit SBE 106 24VDC - HP/LP Bypass system Part No. 103.222.093.210	7,685.00		TPS-I Expn.
119	CCI make Safety control unit SBE 116 24VDC - HP/LP Bypass system Part No. 103.223.531.210	6,529.00		TPS-I Expn.
120	MOMENTUM CONTROLLER. Alongwith the Momentum Controller,necessary Plugin connectors/fixtures/any other hardwares required for the one to one replacement of existing Input/Output and ALU units, are to be supplied by CCI. Part No. : 103.215.899.210	15,210.00		TPS-I Expn.
121	CCI make Electronic positioner PVR 10-10 - HP/LP Bypass system Part No. 103.215.285.210	6,154.00		TPS-I Expn.
122	CCI - Power supply card - TRACO TIS600-124 - HP/LP Bypass system Part No. 000.101.001.346	2,469.00		TPS-I Expn.
123	CCI - Feedback Unit R-SG 15 + 4K - HP/LP Bypass system Part No. 103.225.224.203	3,795.00		TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
124	CCI make Safety control unit SSB 6 - HP/LP Bypass system Part No. 103.203.930.211	3,950.00		TPS-I Expn.
125	CCI make Safety control unit SSB 10 - HP/LP Bypass system Part No. 103.227.111.201	3,398.00		TPS-I Expn.
126	3300 XL PROXIMITOR Part No. 330180-50-00	309.32		TPS-I Expn.
127	3300 EXTENSION CABLE 4 MTR Part No. 330130-040-00-00	159.89		TPS-I Expn.
128	TSI DUAL VIBRATION MONITOR XY & GAP MONITOR 3300/16 WITH RELAY MODULE Part No. 3300/16-14-01-01-00-00-00	2,176.74		TPS-I Expn.
129	TSI POWER SUPPLY MODULE 3300/12 Part No. 3300/12-02-20-00	3,007.51		TPS-I Expn.
130	TSI SYSTEM MONITOR 3300/03 Part No. 3300/03-01-00	1,157.86		TPS-I Expn.
131	TSI TACHOMETER 3300/50 WITH ZSPD TACH EPOXY SIRM Part No. 3300/50-02-01-00-00	3,443.28		TPS-I Expn.
132	3300 EXTENSION CABLE 4.5 MTR Part No. 330130-045-00-00	159.89		TPS-I Expn.
133	BOILER FEED PUMP VIBRATION SENSOR - BENTLY NEVADA 330105-02-12-05-02-05	267.00		TPS-I Expn.
134	CBI 20 digital input (32DI)	130,315.00		TPS-I Expn.
135	CCC 30-2 INTERFACE SC-NET/C-NET (VER 1.45)	971,950.00		TPS-I Expn.
136	CS 400 AC power supply	453,744.00		TPS-I Expn.
137	CBO 10 digital output(24 DO)	116,000.00		TPS-I Expn.
138	CAI 20 Analog input (32AI)	160,380.00		TPS-I Expn.
139	CBC 11 (Binary control) (4 control drive)	123,255.00		TPS-I Expn.
140	CBO 20 digit output alarms (40DO)	206,400.00		TPS-I Expn.
141	CTI 21 Temperature Input module - 32 Channel	162,360.00		TPS-I Expn.
142	Pump Vibration monitoring system for BFP, Pruftechnik Vibrex, 1 set consists of 4 items., (a)VIBREX Basic Unit 1 no., (b)Vibration Module 2 nos., (c) Cable 3meters 2 nos., (d)2 nos. of Accelerometer with mounting Bolt.	177,500.00		TPS-I Expn.
143	Submerged Slag Conveyor Chain	1,705,280.00		TPS-I Expn.
144	Beater wheel without beater plates and armouring (Counter Clockwise).			TPS-I Expn.
145	Beater wheel without beater plates and armouring (Clockwise).			TPS-I Expn.
146	Centrifugal Clutch Coupling for RAPH	1,349,920.00		TPS-I Expn.
147	HAD for FD Fans (RIGHT)			TPS-I Expn.
148	HAD for FD Fans(LEFT)			TPS-I Expn.
149	HAD for ID Fans(RIGHT)			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
150	HAD for ID Fans(LEFT)			TPS-I Expn.
151	PIV Gear box internals for ABG			TPS-I Expn.
152	SYNTEX ROTEX COUPLING			TPS-I Expn.
153	PIV gear box type FRB-3			TPS-I Expn.
154	ID- Pressure relief valve, ID- Check valve, ID- 3/2 way ball cock valve, FD- check valve, FD -shut-off valve , FD- pressure relief valve, FD- 3/2 way ballcockvalve.			TPS-I Expn.
155	PIV gear box chain for ABG			TPS-I Expn.
156	Rotor cover disk suitable for MV-3400/900/490 mills (clockwise)			TPS-I Expn.
157	Rotor cover disk suitable for MB-3400/900/490 mills (counter clockwise)			TPS-I Expn.
158	Mill Double Bearing Shaft as per Drawing No:0153ZXHFCM107, for the Mill type MV3400/900/490.			TPS-I Expn.
159	Mill Half Coupling Motor side as per Drawing No:0153ZXHFC M107 , for the Mill type MV3400/900/490.			TPS-I Expn.
160	Mill Half Coupling Bearing side as per Drawing No:0153ZXHFC, for the Mill type MV3400/900/490.			TPS-I Expn.
161	Mill coupling components as a set Drg NO:0153ZXHFCM007			TPS-I Expn.
162	ID Fan Coupling Spare,L-Clamping Hub (Motor Side).			TPS-I Expn.
163	ID Fan Coupling Spare,L-Clamping Hub (Fan Side).			TPS-I Expn.
164	ID Fan Lub Oil Pump - Worner PN 35121466			TPS-I Expn.
165	ID Fan oil-water-heat exchanger,Make-WOERNER/ UNIVERSAL HYDRAULIK.			TPS-I Expn.
166	FD Fan Coupling Spare,L-Clamping Hub (Motor Side).			TPS-I Expn.
167	FD Fan Coupling Spare,L-Clamping Hub (Fan Side)			TPS-I Expn.
168	FD fan Lub Oil Pump - Woerner			TPS-I Expn.
169	FD Fan oil-water-heat exchanger,Make-WOERNER/ UNIVERSAL HYDRAULIK.			TPS-I Expn.
170	SKY CLIMBER Make - Boiler Maintenance Platform - Spares			TPS-I Expn.
171	SECALT.S.A (TIRAK) Make-Boiler Maintenance Platform - Spares			TPS-I Expn.
172	SEAL RING DN870,5/SB65-T9,43			TPS-I Expn.
173	I.P. CASING CAULKING RINGS			TPS-I Expn.
174	SEAL RING ASM.			TPS-I Expn.
175	SEAL RING ASM.			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
176	SLIDING PLATE IN TWO HALVES			TPS-I Expn.
177	STUD BOLT M56x420			TPS-I Expn.
178	CYL. SCREW M10x55			TPS-I Expn.
179	CYL. HEAD SCREW M24x50			TPS-I Expn.
180	LOCKING SCREW (M10)			TPS-I Expn.
181	GASKET			TPS-I Expn.
182	COUNTERSUNK HEAD SCREW			TPS-I Expn.
183	SPRING			TPS-I Expn.
184	HP Rotor Interstage Sealing Strips Complete Set			TPS-I Expn.
185	HP Casing(Top & Bottom) Interstage Stage Sealing Strip - Complete set			TPS-I Expn.
186	Spring for HP Packing (LB1)			TPS-I Expn.
187	Locking Screw M10 for HP Packing (LB1)			TPS-I Expn.
188	Seal Ring for HP Packing (LB1)			TPS-I Expn.
189	Seal Ring for HP Packing (LB1)			TPS-I Expn.
190	Spring for HP Packing (LB1)			TPS-I Expn.
191	Seal Ring for HP Packing (LOB1)			TPS-I Expn.
192	Seal Ring for HP Packing (LOB1)			TPS-I Expn.
193	Spring for HP Packing (LOB1)			TPS-I Expn.
194	Spring for HP Packing (LOB1)			TPS-I Expn.
195	Locking Screw M10 for HP packing (LOB1)			TPS-I Expn.
196	Seal Ring for HPCV-3, T.1 DN 200			TPS-I Expn.
197	Seal Ring for HPCV-2, T.1 DN 160			TPS-I Expn.
198	Seal Ring for HPCV 1, T.1 DN 200			TPS-I Expn.
199	A set consists of 5 pairs of 1/2 Seal Rings for LOB N.1			TPS-I Expn.
200	A set consists of 5 pairs of 1/2 Seal Ring for LB1 Thrust/Journal			TPS-I Expn.
201	A set consists of 5 pairs of 1/2 Seal Ring for LOB1 Thrust/Journal			TPS-I Expn.
202	A set consists of 5 pairs of 1/2 Seal Ring for LB1 N.3			TPS-I Expn.
203	A set consists of 4 pairs of Seal in Two Halves Thrust/Journal			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
204	A set consists of 5 pairs of 1/2 Seal Ring for LOB1 N.3			TPS-I Expn.
205	Elongation stud M72 x 480 IP Inner			TPS-I Expn.
206	Interstage Stat. Sealing Strip for IP Casing			TPS-I Expn.
207	SEAL RING DN630/SB65-8.25			TPS-I Expn.
208	I.P. ROTOR CAULKING RING A.C.W .			TPS-I Expn.
209	I.P. ROTOR CAULKING RING C.W.			TPS-I Expn.
210	I.P ROTOR CAULKING RING			TPS-I Expn.
211	PPAL CASING CAULKING RING			TPS-I Expn.
212	SEAL RING DN630/SB65-6,0			TPS-I Expn.
213	TWO HALVES RING			TPS-I Expn.
214	Spring			TPS-I Expn.
215	Spring-LP ROTOR BLADE ACCESSORIES L-0			TPS-I Expn.
216	Axial Block			TPS-I Expn.
217	Axial Block			TPS-I Expn.
218	SPRING - I.P. PACKING (LB1)			TPS-I Expn.
219	STUD BOLT M36			TPS-I Expn.
220	STUD BOLT M36			TPS-I Expn.
221	HEX. NUT M36			TPS-I Expn.
222	STUD BOLT M64			TPS-I Expn.
223	SPACER			TPS-I Expn.
224	SEAL RING			TPS-I Expn.
225	CAP			TPS-I Expn.
226	BOLT M64-TK			TPS-I Expn.
227	SCREW M36x120			TPS-I Expn.
228	WATER SPRAY NOZZLES			TPS-I Expn.
229	CLOSING KEY			TPS-I Expn.
230	Closing key FOR LP ROTOR BLADE ACCESSORIES			TPS-I Expn.
231	Axial Block			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
232	Axial Block			TPS-I Expn.
233	Axial Block			TPS-I Expn.
234	Axial Block			TPS-I Expn.
235	Closing block FOR LP ROTOR BLADE ACCESSORIES			TPS-I Expn.
236	Closing block FOR LP ROTOR BLADE ACCESSORIES			TPS-I Expn.
237	Spring FOR LP ROTOR BLADE ACCESSORIES L-1			TPS-I Expn.
238	Closing key FOR LP ROTOR BLADE ACCESSORIES			TPS-I Expn.
239	Axial Block			TPS-I Expn.
240	Axial Block			TPS-I Expn.
241	Closing block FOR LP ROTOR BLADE ACCESSORIES			TPS-I Expn.
242	Closing block FOR LP ROTOR BLADE ACCESSORIES			TPS-I Expn.
243	HEX. HEAD SCREW M20x45			TPS-I Expn.
244	Locking Screw M10 for IP Packing (LB1)			TPS-I Expn.
245	Locking Screw M10 for LP packing (LOB1)			TPS-I Expn.
246	Hex. Socket Nut M56 for Left RH Control Valve			TPS-I Expn.
247	Spacer for Left RH Control Valve			TPS-I Expn.
248	Stud Bolt M56 for Left RH Control Valve			TPS-I Expn.
249	Seal Ring (DN 630/SB35-T6.0) for IP Packing (LB1)			TPS-I Expn.
250	Spring for IP Packing (LB1)			TPS-I Expn.
251	Spring for LP Packing (LOB1)			TPS-I Expn.
252	Elastic Spacer (Spring Set) for LP Gland			TPS-I Expn.
253	IP Packing(LOB1) Two Halves Rings (Piston Ring)			TPS-I Expn.
254	Seal Ring (DN 630/SB35-8.25) for IP Packing (LB1)			TPS-I Expn.
255	Seal Ring DN630/SB65-6,0 for IP Packing (LOB1)			TPS-I Expn.
256	Cylindrical screw M20x65			TPS-I Expn.
257	Thermo Control Valve Assembly			TPS-I Expn.
258	Gasket OD 680XID630X3 Th. In Benterite A			TPS-I Expn.
259	GUIDE BUSHING			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
260	PISTON			TPS-I Expn.
261	HYDRAULIC HAND PUMP			TPS-I Expn.
262	PISTON RING			TPS-I Expn.
263	PISTON ROD			TPS-I Expn.
264	GASKET 32/20,8x1-Cu			TPS-I Expn.
265	PIN S-SW 2X25 STFD SHW			TPS-I Expn.
266	WASHER B8 ST-FD/BK			TPS-I Expn.
267	SCREW M8x16 8.8/ZN			TPS-I Expn.
268	SPRING-D-FD 80/9x200ST			TPS-I Expn.
269	SPHERICAL VALVE 1/2"NPT-FF ALFA24			TPS-I Expn.
270	BALL VALVE KHNVS G 1/4"-2233			TPS-I Expn.
271	BALL VALVE FOR FILTER			TPS-I Expn.
272	CHECK VALVE			TPS-I Expn.
273	AIR FILTER			TPS-I Expn.
274	BUSHING			TPS-I Expn.
275	SPRING NORM-D-FD 25/3.55x80 ST			TPS-I Expn.
276	HYDRUALIC HAND PUMP SPARE KIT			TPS-I Expn.
277	IP-LP rotor seal strips (Detl: A & Det: D)			TPS-I Expn.
278	Seal Ring for RH stop valve			TPS-I Expn.
279	Valve Disc for RH Stop Valve			TPS-I Expn.
280	LOCK			TPS-I Expn.
281	RING IN 4 PARTS			TPS-I Expn.
282	PISTON			TPS-I Expn.
283	RING			TPS-I Expn.
284	FLOW DISPENSER			TPS-I Expn.
285	FLOW DISPENSER - NO.1 Main Control Valve Internal Parts			TPS-I Expn.
286	LOCK - NO.1 Main Control Valve Internal Parts			TPS-I Expn.
287	FLOW DISPENSER			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
288	LOCK - NO.2 Main Control Valve Internal Parts			TPS-I Expn.
289	SEAL BUSHING			TPS-I Expn.
290	BUSHING			TPS-I Expn.
291	PISTON RING			TPS-I Expn.
292	SEAL RING			TPS-I Expn.
293	FLOW DISPENSER			TPS-I Expn.
294	VALVE BODY			TPS-I Expn.
295	SEAL BUSHING			TPS-I Expn.
296	BUSHING			TPS-I Expn.
297	PISTON RING			TPS-I Expn.
298	CUTTED BUSHING			TPS-I Expn.
299	KEY			TPS-I Expn.
300	KEY			TPS-I Expn.
301	ECCENTRIC BLOCK ASM.			TPS-I Expn.
302	LOCK			TPS-I Expn.
303	RING IN 4 PARTS			TPS-I Expn.
304	COUPLING			TPS-I Expn.
305	PISTON			TPS-I Expn.
306	RING			TPS-I Expn.
307	LOCK			TPS-I Expn.
308	VALVE SEAT			TPS-I Expn.
309	VALVE PLATE			TPS-I Expn.
310	INTERMEDIATE RING			TPS-I Expn.
311	PLAIN BEARING			TPS-I Expn.
312	ROLLER BEARING			TPS-I Expn.
313	ORIFICE			TPS-I Expn.
314	GASKET			TPS-I Expn.
315	GASKET O-RING D=3 1/4" - VITON			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
316	GASKET O-RING D=4 3/8" - VITON			TPS-I Expn.
317	GASKET O-RING D=9 1/2" - VITON			TPS-I Expn.
318	GASKET O-RING D=11" - VITON			TPS-I Expn.
319	GASKET O-RING D=3 3/4" - VITON			TPS-I Expn.
320	GASKET O-RING D=5 1/4" - VITON			TPS-I Expn.
321	GASKET O-RING D=5 1/8" - VITON			TPS-I Expn.
322	STUD BOLT M30			TPS-I Expn.
323	NUT M30			TPS-I Expn.
324	GUIDE BUSHING			TPS-I Expn.
325	RING			TPS-I Expn.
326	NUT M36			TPS-I Expn.
327	CYL. PIN			TPS-I Expn.
328	HEX. NUT M24			TPS-I Expn.
329	ORIFICE			TPS-I Expn.
330	ELASTIC RING			TPS-I Expn.
331	NON RETURN VALVE			TPS-I Expn.
332	SPRING 31,5/2,24x50			TPS-I Expn.
333	CYL. PIN FOR NO.1 Main Control Valve Internal Parts			TPS-I Expn.
334	CYL. PIN FOR NO.2 Main Control Valve Internal Parts			TPS-I Expn.
335	STUD BOLT M20-TX90			TPS-I Expn.
336	HEX. NUT M20			TPS-I Expn.
337	SEAL RING			TPS-I Expn.
338	CYL. PIN FOR NO.3 Main Control Valve Internal Parts			TPS-I Expn.
339	STUD BOLT M20-TX90			TPS-I Expn.
340	HEX. NUT M20			TPS-I Expn.
341	ORIFICE			TPS-I Expn.
342	PRESSURE SPRING			TPS-I Expn.
343	SPRING 12,5x3,15x20			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
344	ORIFICE - ECCENTRIC			TPS-I Expn.
345	INSERT RING			TPS-I Expn.
346	ORIFICE			TPS-I Expn.
347	STRIP L=391,3			TPS-I Expn.
348	STEM			TPS-I Expn.
349	PIN			TPS-I Expn.
350	EXTERNAL INSULATION ELEMENT FOR LEFT RH VALVE (ASM.)			TPS-I Expn.
351	INTERMEDIATE INSULATION ELEMENT FOR LEFT RH VALVE			TPS-I Expn.
352	CENTER INSULATION ELEMENT FOR LEFT RH VALVE (ASM.)			TPS-I Expn.
353	HEXAG. HEAD SCREW M36x220			TPS-I Expn.
354	HEXAG. NUT M36			TPS-I Expn.
355	PIVOT			TPS-I Expn.
356	NUT M36			TPS-I Expn.
357	CYL. PIN			TPS-I Expn.
358	RING IN 2 PARTS			TPS-I Expn.
359	PIVOT			TPS-I Expn.
360	CHECK VALVE			TPS-I Expn.
361	ELECTROVALVE 4/2 NG6			TPS-I Expn.
362	COUPLING STOP VALVE ACTUATOR			TPS-I Expn.
363	NON RETURN VALVE			TPS-I Expn.
364	SLIDING RING			TPS-I Expn.
365	SEALING GASKET FOR RHSV			TPS-I Expn.
366	BALL JOINT			TPS-I Expn.
367	Sliding Ring			TPS-I Expn.
368	Guide Strip			TPS-I Expn.
369	Sliding Ring for HP Stop valve			TPS-I Expn.
370	Sliding Ring for IP control valve			TPS-I Expn.
371	Sliding Ring for IP control valve			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
372	Sliding Ring for HPCV-3 (DN-112) Actuator			TPS-I Expn.
373	Sliding Ring (P No:119) for HP Stop valve			TPS-I Expn.
374	Sliding Ring (P.No: 118) for HPCV-3 (DN-112) Actuator			TPS-I Expn.
375	Sliding Ring (P.No: 118) for HPCV-2 (DN-80) Actuator			TPS-I Expn.
376	Sliding Ring for HPCV-2 (DN-80) Actuator			TPS-I Expn.
377	Sliding Ring for HPCV-1 (DN100) Actuator			TPS-I Expn.
378	Journal Bearing#1			TPS-I Expn.
379	Thrust/Journal Bearing#2			TPS-I Expn.
380	Journal Bearing#3			TPS-I Expn.
381	Thrust Bearings Pads R6 Rear			TPS-I Expn.
382	Spring Ring			TPS-I Expn.
383	2-WAY FLOW CONTROL VALVE - N.1 BRG			TPS-I Expn.
384	2-WAY FLOW CONTROL VALVE - FOR THRUST BRG			TPS-I Expn.
385	GLOBE VALVE			TPS-I Expn.
386	NON RETURN VALVE			TPS-I Expn.
387	2-WAY FLOW CONTROL VALVE - N.3 BRG			TPS-I Expn.
388	OIL CONTROL VALVE G 1/2" - ASSEMBLY			TPS-I Expn.
389	NON RETURN VALVE - N.1 BRG			TPS-I Expn.
390	NON RETURN VALVE - N.3 BRG			TPS-I Expn.
391	CYL. HEAD SCREW M8x20			TPS-I Expn.
392	NON RETURN VALVE - N.2 BRG			TPS-I Expn.
393	BUSHING			TPS-I Expn.
394	IP-LP Turbine rotor of 210 MW of Ansaldo make Turbine			TPS-I Expn.
395	L-1 stage stationary blades set of LP turbine of Ansaldo make (4th stage BP fixed Blades)			TPS-I Expn.
396	HP Turbine rotor of 210 MW of Ansaldo make Turbine			TPS-I Expn.
397	Full load control valve with actuator size:12", 2500 class			TPS-I Expn.
398	Trim Assembly			TPS-I Expn.
399	Bonnet Gasket			TPS-I Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
400	Gland Packing			TPS-I Expn.
401	Stem Guide bushing			TPS-I Expn.
402	Packing Gland			TPS-I Expn.
403	Gland Follower			TPS-I Expn.
404	Gasket for valve seat			TPS-I Expn.
405	Gasket for Cage			TPS-I Expn.
406	QB Detectors			TPS-I Expn.
407	Seat with Cage			TPS-I Expn.
408	Set consisting of Plug, Control Cover, Valve Stem & Cylindrical Pin for BFP minimum flow control valve.			TPS-I Expn.
409	Turcon Glyd ring			TPS-I Expn.
410	Control bush with cage			TPS-I Expn.
411	Complete set of Internals for BFP RC valve HORA Make			TPS-I Expn.
412	ANGULAR CONTACT BALL BEARING 7060	180,662.72	Sweeden/ Germany	TPS-II
413	ANGULAR CONTACT BALL BEARING 7236 B	56,014.60	Sweeden/ Germany	TPS-II
414	DEEP GROOVE BALL BEARING 6218	2,895.00	SINGAPORE	TPS-II
415	THRUST BALL BEARING 51118	1,528.00	SINGAPORE	TPS-II
416	SPHERICAL ROLLER BEARING 22219 CKW33	47.45	CZECH REPUBLIC	TPS-II
417	SPHERICAL ROLLER BEARING 22220	6,041.00	SINGAPORE	TPS-II
418	SPHERICAL ROLLER BEARING 22222CC/W33	58.00	CZECH REPUBLIC	TPS-II
419	SPHERICAL ROLLER BEARING 22222 CCKW33	66.10	CZECH REPUBLIC	TPS-II
420	SPHERICAL ROLLER BEARING 22224CCK	67.64	CZECH REPUBLIC	TPS-II
421	SPHERICAL ROLLER BEARING 22226 CCKW33	126.18	GERMANY	TPS-II
422	SPHERICAL ROLLER BEARING 22230 CC/W33	111.93	CZECH REPUBLIC	TPS-II
423	SPHERICAL ROLLER BEARING 22230 CCKW33	149.38	CZECH REPUBLIC	TPS-II
424	SPHERICAL ROLLER BEARING 22236 CCKW33	189.10	CZECH REPUBLIC	TPS-II
425	SPHERICAL ROLLER BEARING 22318	67.75	CZECH REPUBLIC	TPS-II
426	SPHERICAL ROLLER BEARING 22322	133.02	CZECH REPUBLIC	TPS-II
427	SPHERICAL ROLLER BEARING 22330/W33	259.03	CZECH REPUBLIC	TPS-II
428	SPHERICAL ROLLER BEARING 23030	17,252.00	SINGAPORE	TPS-II
429	SPHERICAL ROLLER BEARING 23052 CC/W33	531.00	Sweeden/ Germany	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
430	SPHERICAL ROLLER BEARING 23134 C3	252.34	CZECH REPUBLIC	TPS-II
431	SPHERICAL ROLLER BEARING 23140 CK/W33	329.98	CZECH REPUBLIC	TPS-II
432	SPHERICAL ROLLER BEARING 23220 C3	69.67	CZECH REPUBLIC	TPS-II
433	SPHERICAL ROLLER THRUST BEARING 29322E	184.00	GERMANY	TPS-II
434	SPHERICAL ROLLER THRUST BEARING 29424E	295.82	CZECH REPUBLIC	TPS-II
435	SPHERICAL ROLLER BEARING 23252 CAKW33/C3	1,359.89	CZECH REPUBLIC	TPS-II
436	SPHERICAL ROLLER BEARING 23280 BKMB C3	4,608.27	CZECH REPUBLIC	TPS-II
437	Spherical Roller Bearing 23060 K	126,330.00	Sweden/ Germany	TPS-II
438	SPHERICAL ROLLER BEARING 22322CK/W33	138.14	CZECH REPUBLIC	TPS-II
439	TAPER ROLLER BEARING 30222	8,381.00	SINGAPORE	TPS-II
440	TAPER ROLLER BEARING 32322	23,248.00	SINGAPORE	TPS-II
441	Cylindrical Bearing NU234	41,703.00	SINGAPORE	TPS-II
442	CYLINDRICAL ROLLER BEARING NU236	20,746.76	Sweden/ Germany	TPS-II
443	CYLINDRICAL ROLLER BEARING NU252	102,603.36	Sweden/ Germany	TPS-II
444	Cylindrical Bearing NU324	17,000.00	SINGAPORE	TPS-II
445	CYLINDRICAL ROLLER BEARING NU352C3	225,986.52	Sweden/ Germany	TPS-II
446	Cylindrical Bearing NU221	8,500.00	SINGAPORE	TPS-II
447	SPHERICAL ROLLER BEARING WITH SLEEVE 22218K + H318	52.03	CZECH REPUBLIC	TPS-II
448	SPHERICAL ROLLER BEARING WITH SLEEVE 22232K+H3132	320.05	CZECH REPUBLIC	TPS-II
449	Zirconia oxygen analyser for O2 measurement in flue gas	266,850.00	Sweden, Germany, Japan	TPS-II
450	Portable Multi Gas detector (Oxygen, Carbon Monoxide, Hydrogen Sulphide and Combustible Gases [LEL]), with Rechargeable battery, Internal pump and integrated display	63,990.00	USA	TPS-II
451	RADAR TYPE LEVEL TRANSMITTER FOR SILO LEVEL, 0-15 METRES	96,500.00	Sweden, Germany	TPS-II
452	Slag conveyor Cameras, associated control units & accessories	76,950.00	Japan, South Korea	TPS-II
453	Rockwell Automation PLC Controllers, Input/Output Modules for Water Lance System.	410,000.00	USA	TPS-II
454	OPACITY MONITOR or DUST DENSITY MONITOR FOR MEASURING PARTICULATE MATTER IN FLUE GAS DUCT. RANGE 0-200 mg/Nm3. Output 4-20mA	335,524.58	United Kingdom	TPS-II
455	HYDROGEN PURITY ANALYSER		Sweden, Germany, Japan	TPS-II
456	PISTON RING GUIDE FOR SAFETY VALVE OF SIZE 2507 DIN 300 X 400 /182		Germany	TPS-II
457	DISC SPRING FOR SAFETY VALVES TYPE SiZ 2507 DN300X400		Germany	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
458	SEAL RING A 22 X 27 FOR SAFETY VALVE SiZ 2507 DN 300X400 /182		Germany	TPS-II
459	UNION DL 15 FOR SAFETY VALVE .SiZ 2507 DN 300X400/182		Germany	TPS-II
460	UNION DL 18 FOR SAFETY VALVE .SiZ 2507 DN 300X400 / 182		Germany	TPS-II
461	HEXAGONAL NUT HM30 FOR SAFETY VALVE.SiZ 2507 DN 300X400 /182		Germany	TPS-II
462	LOCKING WASHER A-24 FOR SAFETY VALVE SiZ 2507 DN 125X250/88		Germany	TPS-II
463	SEAL RING A22X27 FOR SAFETY VALVE SiZ 2507 DN 125X250/88		Germany	TPS-II
464	UNION DN 115 FOR SAFETY VALVE SIZE 2507 DN 125 X 250/88		Germany	TPS-II
465	HEXAGONAL NUT M 24 FOR SAFETY VALVE SiZ 2507 DN 125X250/88		Germany	TPS-II
466	UNION DL18 FOR SAFETY VALVE SiZ 2507 DN 125X250/88		Germany	TPS-II
467	BALL & PIN FOR SEMPELL MAKE SAFETY VALVE MODEL NO:VSE1.40.150-P250 II 13.11D SET PRESSURE 19.5KG/ CM2		Germany	TPS-II
468	GUIDE BUSH SAFETY VALVE VSE1-25-50E80-		Germany	TPS-II
469	DISC VSE-1-25-50 E80-I 12TAG SV001 00		Germany	TPS-II
470	SPRING VSE-1-25-50 E80-I 12TAG SV001 0		Germany	TPS-II
471	BALL & PIN		Germany	TPS-II
472	GUIDEBUSH VSE1-25-40 0-65-I 12 SV005 0		Germany	TPS-II
473	DISC VSE1-25-40 0-65-I 12 SV005 0		Germany	TPS-II
474	SPRING VSE1-25-40 0-65-I 12 SV005 0		Germany	TPS-II
475	BALL & PIN VSE1-25-40 0-65-I12 SV005 0		Germany	TPS-II
476	GUIDEBUSH VSE1-25-200 0-250 II12 TAG 3		Germany	TPS-II
477	DISC VSE1-25-200 0-250 II12 TAG 3		Germany	TPS-II
478	SPRING VSE1-25-200 0-250 II12 TAG 3		Germany	TPS-II
479	BALL& PIN VSE1-25-200 0-250 II12 TAG3		Germany	TPS-II
480	GUIDE BUSH VSE1 - 40 - 100 TAG 382		Germany	TPS-II
481	DISC VSE1 - 40 - 100 TAG 382		Germany	TPS-II
482	SPRING VSE1 - 40 - 100 TAG 382		Germany	TPS-II
483	Ball Pin		Germany	TPS-II
484	SPINDLE FOR SAFETY VALVE TYPE Si. 6105-22-26A DN65X100/40		Germany	TPS-II
485	SPRING FOR SAFETY VALVE TYPE SI-6105-22-26A DN65X100/40		Germany	TPS-II
486	DISC FOR SAFETY VALVES TYPE Si 6105-22-26A DN65X100/40		Germany	TPS-II
487	TIGHTENING SCREW FOR SAFETY VALVES TYPE SI 6105-22-26A DN65X100/40		Germany	TPS-II
488	DISC GUARD RING FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65 X 100/		Germany	TPS-II
489	SLOTTED ROUND NUT FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65X100/40		Germany	TPS-II
490	RING FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65X100/40		Germany	TPS-II
491	RING N6V446 FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65X100/40		Germany	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
492	RING N 435 FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65X100/40		Germany	TPS-II
493	SECURING RING FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65X100/40		Germany	TPS-II
494	AXIAL WASHER FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65X100/40		Germany	TPS-II
495	NUT FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65X100/40		Germany	TPS-II
496	SPRING CLIP FOR SAFETY VALVES OF SIZE 2507 DIN 125 X 250/88		Germany	TPS-II
497	RING FOR SAFETY VALVE OF SIZE 2507 DIN 125 X 250 / 88		Germany	TPS-II
498	RING FOR SAFETY VALVE OF SIZE 2507 DIN 125 X 250 / 88		Germany	TPS-II
499	LAPPING RING 'O' FOR SAFETY VALVE OF SIZE 2507 DIN 125 X 250 /88		Germany	TPS-II
500	SPRING CLIP FOR SAFETY VALVE OF SIZE 2507 DIN 300 X 400 /182		Germany	TPS-II
501	RING FOR SAFETY VALVE OF SIZE 2507 DIN 300 X 400 / 182		Germany	TPS-II
502	RING FOR SAFETY VALVE OF SIZE 2507 DIN 300 X 400/182		Germany	TPS-II
503	SEAT BUSHINGS DIA 168X152X132 LONG		Germany	TPS-II
504	SEAT BUSHINGS DIA 300X280X142 LONG		Germany	TPS-II
505	DISC 2-4456/8 1-4122		Germany	TPS-II
506	DISC DIA 52MM		Germany	TPS-II
507	SPRING (HELICON)DIA 165X101X285		Germany	TPS-II
508	PLATE SHAPED SPRING		Germany	TPS-II
509	INNER LABYRINTH FOR SAFETY VALVE OF SIZE 2507 125 X 250 /88		Germany	TPS-II
510	OUTER LABYRINTH FOR SAFETY VALVE OF SIZE 2507 D 125 X 250 /88		Germany	TPS-II
511	SPINDLE FOR SAFETY VALVE OF SIZE 2507 125 X 250 /88		Germany	TPS-II
512	DISC FOR SAFETY VALVE OF SIZE 2507 125 X 250 /88		Germany	TPS-II
513	GUIDE RING FOR SAFETY VALVE OF SIZE 2507 DN 1 X 250 /88		Germany	TPS-II
514	GUIDE BUSH FOR SAFETY VALVE OF SIZE 2507 DN 125 X 250 /88		Germany	TPS-II
515	PISTON RING FOR SAFETY VALVE OF SIZE 2507 DN 125 X 250 /88		Germany	TPS-II
516	INNER LABYRINTH FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 /182		Germany	TPS-II
517	OUTER LABYRINTH FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 /182		Germany	TPS-II
518	RING FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 / 182		Germany	TPS-II
519	SPINDLE FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 /182		Germany	TPS-II
520	DISC FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 / 182 (RH)		Germany	TPS-II
521	SPRING CLI FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 /182		Germany	TPS-II
522	GUIDE RING FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 /182		Germany	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
523	GUIDE BUSH FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 /182		Germany	TPS-II
524	PISTON RING FOR SAFETY VALVE OF SIZE 2507 DN 300 X 400 /182		Germany	TPS-II
525	LAPPING RING FOR SAFETY VALVE OF SIZE 2507 DN 125 X 250 /88		Germany	TPS-II
526	GUIDING BAND FOR SAFETY VALVE TYPE SI 6105-22-26A-DN 65 X 100/		Germany	TPS-II
527	SUPER HEATER 10% SAFETY VALVE FOR STAGE - I BOILERS	1,434,208.00	Germany	TPS-II
528	DISC SPRING 225 X 112 X 12MM 15CR4 F SAFETY VALVE		Germany	TPS-II
529	RE HEATER 50% SAFETY VALVE FOR STAGE - I BOILERS		Germany	TPS-II
530	SUPER HEATER 50% SAFETY VALVE FOR STAGE - I BOILERS		Germany	TPS-II
531	ALLOY STEEL ROUND LINK CHAIN OF SIZE 22 X 86 FOR SLAG CONVEYOR.	323.26	Germany	TPS-II
532	BLADES FOR FD FAN W/S.BOLT	51,171.64	Germany	TPS-II
533	Lock ring FAG HJ 236E	27,000.00	Sweeden	TPS-II
534	SPARES FOR F.D. FANS SIMMER RING Type AP1 20/12	34,621.20	Germany	TPS-II
535	Angle ring HJ310SKF/FAG	3,200.00	Sweeden	TPS-II
536	LUB OIL PUMP FOR RAPH	371,700.00	Sweeden	TPS-II
537	PRV for LOP of RAPH, Stage - I	118,000.00	Sweeden	TPS-II
538	Angle ring HJ2316E	7,100.00	Sweeden	TPS-II
539	BLADES FOR ID FAN WITH SOCKET BOLT M24X7	55,313.20	Germany	TPS-II
540	Simmer Ring for ID Fan Type :AP 130/20	92,645.34	Germany	TPS-II
541	Lock ring FAG HJ 252E	98,000.00	Sweeden	TPS-II
542	IMPELLER ASSEMBLY FOR ID FAN	211,288.25	Germany	TPS-II
543	ID FAN, SERVOMOTOR ASSEMBLY.	4,453,320.00	Germany	TPS-II
544	FD FAN, ROTOR ASSEMBLY WITH STAND. FD FAN TYPE: AP1 20/12/23	18,812,032.00	Germany	TPS-II
545	DOWEL DIA. 5 X 16 FOR HP STEAM INLET SLEEVE. ANSALDO CODE: MAA07BR002L 002	1.00	Italy	TPS-II
546	OIL SEAL RINGS FOR VALVES 5100/1 2 3	25.63	Italy	TPS-II
547	THREADED LOCKING RING FOR HP STEAM INL SLEEVE ANSALDO CODE: MAA07BR002L 001	448.45	Italy	TPS-II
548	STEAM SEAL RING FOR HP STEAM INLET SLEEVE ANSALDO CODE: MAA07BR002L 004	3,833.67	Italy	TPS-II
549	PIN DIA. M22 X 39 FOR STEAM HP INLET SLEEVE ANSALDO CODE: MAA07BR002L 003	51.25	Italy	TPS-II
550	Balance Piston for Governing Valve	1,029.00	Italy	TPS-II
551	Valve Plug for Governing Valve	1,470.00	Italy	TPS-II
552	Stem for Governing Valve	7,252.00	Italy	TPS-II
553	PLUGS 81/4 HP/ESV	6,406.40	Italy	TPS-II
554	RINGS IN HALVES HP/ESV V.I.R 81/5	482.50	Italy	TPS-II
555	RETAINING SCREW ANSALDO CODE:MAA07AA003L046 PROP. ITEM OF ANSALDO, ITALY (FOR HP/ESV) V.I.R 81/6	71.13	Italy	TPS-II
556	OIL SEAL RINGS FOR VALVES REF 103/1	32.03	Italy	TPS-II
557	SPRING FOR SERVO MOTOR RELAY PISTON KKS Code MAA07AA002L KKS Pos 23	102.50	Italy	TPS-II
558	SPRING FOR SERVO MOTOR RELAY PISTON KKS Code MAA07AA002L KKS Pos 38	102.50	Italy	TPS-II
559	BALL BEARING FOR CAMSHEP 101/4 FOR HP/CV	27.83	Italy	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
560	ROLLER BEARING FOR CAMSHAFT 101/5 HP/CV	90.87	Italy	TPS-II
561	PIN D5X18 ANSALDO CODE:MAA07AA001L030 PROP. ITEM OF ANSALDO, ITALY FOR HP CV 82/10	12.81	Italy	TPS-II
562	VALVE STEM BUSHINGS 582/12	512.51	Italy	TPS-II
563	STEAM SEAL RINGS FOR HP INNER GLAND VIR 21/1 TO 6	6,337.00	Italy	TPS-II
564	STEAM SEAL RINGS FOR HP INNER GLAND REF 21/7 TO 12	6,337.00	Italy	TPS-II
565	SEAL RING ANSALDO CODE:MAA07HA012L050 PROP. ITEM OF ANSALDO, ITALY	5,381.38	Italy	TPS-II
566	STEAM SEAL RINGS PINS SCREWS SPRINGS F LP BALANCE VIR 45/7 TO 12 POSITION	8,956.15	Italy	TPS-II
567	REHEAT STOP VALVE SHAFT ANSALDO CODE: MAA 07 AA 010L 029 FOR RHSV	4,095.00	Italy	TPS-II
568	KEY ANSALDO CODE:MAA07AA010L058 PROP. ITEM OF ANSALDO, ITALY FOR RHSV 85/3	70.47	Italy	TPS-II
569	BOLTS 60 X 1305 WITH NUTS,WASHER AND DOWELS FOR TURBINE CASING	1,241.33	Italy	TPS-II
570	STUDS 76 X 585 WITH NUT,WASHER AND DOWELS FOR TURBINE CASING	842.67	Italy	TPS-II
571	STUDS 76 X 305 WITH NUTS WASHER AND DOWELS FOR TURBINE CASING	704.80	Italy	TPS-II
572	BOLTS 90 X 1305 WITH DOWELS (FOR TURBINE CASING)	76.88	Italy	TPS-II
573	BOLTS 90 X 410 WITH DOWELS	1,341.00	Italy	TPS-II
574	THRUST BEARING COMPLETE V.I.REF 76/1 TO 4	14,805.00	Italy	TPS-II
575	Calibrated Stud with dowel Dia 96 X 910 for HP INNER CASING	14,504.00	Italy	TPS-II
576	STUD Dia 90 X 860 for HP INNER CASING	1,764.00	Italy	TPS-II
577	BOLT & NUTS 90 FOR TURBINE CASING	369.00	Italy	TPS-II
578	STUDS 64 X 665 W/DOWELS FOR TURBINE CASING	648.75	Italy	TPS-II
579	BOLT&NUTS 76 FOR TURBINE CASING	292.50	Italy	TPS-II
580	BOLT&NUTS 72 FOR TURBINE CASING	276.00	Italy	TPS-II
581	SOCKET HEAD NUT COM TYPE 6 POS 05 ANSALDO CODE:MAA07HA002L366 PROP. ITEM OF ANSALDO, ITALY	193.00	Italy	TPS-II
582	SOCKET HEAD SCREWS 52 FOR TURBINE CASING	179.38	Italy	TPS-II
583	FEMALE WASHERS 64 FOR TURBINE CASING	44.84	Italy	TPS-II
584	MALE WASHERS 64 FOR TURBINE CASING	44.84	Italy	TPS-II
585	FEMALE WASHERS 60 FOR TURBINE CASING	38.44	Italy	TPS-II
586	STUDS 33 X 440 WITH DOWELS 14 (FOR TURBINE CASING)	425.50	Italy	TPS-II
587	SOCKET HEAD NUTS 45 FOR TURBINE CASING	166.57	Italy	TPS-II
588	SOCKET HEAD NUT COM TYPE 6 POS 14 ANSALDO CODE:MAA07HA002L146 PROP. ITEM OF ANSALDO, ITALY DIA 27 FOR TURBINE CASING	89.69	Italy	TPS-II
589	STUDS DIA45 X 295 FOR TURBINE CASING	200.25	Italy	TPS-II
590	STUDS DIA45 X 355 FOR TURBINE CASING	153.75	Italy	TPS-II
591	IP BLADE RING NO: 2 STUD BOLT D45X375 COMPONENT TYPE 1 POS 05 ANSALDO CODE:MAA07HA002L051 PROP. ITEM OF ANSALDO, ITALY	278.00	Italy	TPS-II
592	STUDS 52 X 310 FOR TURBINE CASING	185.79	Italy	TPS-II
593	GUAGED STUDS 51 X 600 W/DOWELS 30 FOR TURBINE CASING	301.10	Italy	TPS-II
594	GUAGED STUDS 64 X 435 W/DOWELS 30 FOR TURBINE CASING	429.23	Italy	TPS-II
595	WASHERS 60 FOR TURBINE CASING	51.25	Italy	TPS-II

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596	MALE WASHERS 33 FOR TURBINE CASING	19.22	Italy	TPS-II
597	STUDS 45 X 320 FOR TURBINE CASING	301.10	Italy	TPS-II
598	HP BLADE RING CALIBR. STUD BOLT DOWEL D45X310 COM TYPE I POS22 ANSALDO CODE:MAA07HA002L221 PROP. ITEM OF ANSALDO, ITALY WITH DOWELS DIA14 FOR TURBINE CASING	301.10	Italy	TPS-II
599	SOCKET HEAD NUTS 45 FOR TURBINE CASING	175.50	Italy	TPS-II
600	SCREWS FOR TURBINE SHAFT SEALS	12.81	Italy	TPS-II
601	Blade for LP Turbine Rotor Last stage (Gov side) - Type - TS936	2,420.50	Italy	TPS-II
602	Blade for LP Turbine Rotor Last stage (Gen side)- Type - TS937	2,420.50	Italy	TPS-II
603	JOURNAL BRG 76/1-11 W THERMO COUPLE 76/28-34	15,046.00	Italy	TPS-II
604	JOURNAL BRG NO2 76/12-23&3541/41	13,634.00	Italy	TPS-II
605	REHEAT STOP VALVE PLUG DOOR ANSALDO CODE : MAA 07 AA 010L 065 FTCL CODE 721351D	7,344.00	Italy	TPS-II
606	GOVERNING VALVE.VALVE STEM END.FTCL CO 270751B11	670.50	Italy	TPS-II
607	SET OF OIL SEAL STRIPS FOR TURBINE BEARING-III ANSALDO CODE : MAD07HD007L POS-008 FTOSI CODE : 1-2352-2/20 EACH SET CONSISTS OF 8 HALF RING SEALS	512.48	Italy	TPS-II
608	SET OF OIL SEAL STRIPS FOR BEARING-I ANSALDO CODE : MAD 07 HD 005L POS-008 EACH SET CONSISTS OF 8 HALF RING SEALS	512.48	Italy	TPS-II
609	SET OF OIL SEAL STRIPS FOR TURBINE BEARING-II ANSALDO CODE : MAD07HD006L POS-008 FTOSI CODE : 1-2352-2/23 EACH SET CONSISTS OF 8 HALF RING	512.48	Italy	TPS-II
610	STUD DIA 52 X 450 FOR HP BALANCE PISTO ANSALDO CODE: MAA07HA012L017	477.00	Italy	TPS-II
611	CALIBRATED STUD DIA 64 X 405 FOR HP BALANCE PISTON POS 44	502.00	Italy	TPS-II
612	STUD DIA 52 X 335 FOR HP BALANCE PISTO POS 45 FTCL CODE: 920 286 X 52 X 335	467.00	Italy	TPS-II
613	NUT INNER HEX. dia 33 FOR HP BALANCE PISTON FTCL CODE:34.P.D.33	128.13	Italy	TPS-II
614	SOCKET HEAD NUT COMPONENT TYPE 6 POS ANSALDO CODE:MAA07HA012L024 PROP. ITEM OF ANSALDO, ITALY NUT D19	128.13	Italy	TPS-II
615	NUT INNER HEX. DIA 52 FOR HP BALANCE PISTON.FTCL CODE:34.P.D.52	192.19	Italy	TPS-II
616	NUT INNER HEX. dia 45 X 90 FTCL CODE: 34.P D.45	153.75	Italy	TPS-II
617	NUT INNER HEX. D.60 FOR HP BALANCE PISTON FTCL CODE: 34.P.D.60	205.00	Italy	TPS-II
618	STUD BOLT D60X300 FOR IP BALANCE PISTO ANSALDO CODE:MAA07HA014L017 PROP. ITEM OF ANSALDO, ITALY	268.00	Italy	TPS-II
619	SOCKET HEAD NUT COMPONENT TYPE 6 POS ANSALDO CODE:MAA07HA014L020 PROP. ITEM OF ANSALDO, ITALY D60	198.60	Italy	TPS-II
620	NUTS D33 ANSALDO CODE:MAA07HA014L021 PROP. ITEM OF ANSALDO, ITALY D33	155.00	Italy	TPS-II
621	CALIBRATED STUD DIA 45 X 435 FOR INTERMEDIATE BALANCE PISTON ANSALDO CODE:MAA07HA013L018	417.00	Italy	TPS-II
622	STUD BOLT ANSALDO CODE:MAA07HA013L020 PROP. ITEM OF ANSALDO, ITALY	284.50	Italy	TPS-II
623	STUD BOLT D39X400 ANSALDO CODE:MAA07HA013L019 PROP. ITEM OF ANSALDO, ITALY	487.83	Italy	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
624	NUT INNER HEX. dia 27 FOR INTERMEDIATE DUMMY RING FTCL CODE:34.P D.27	128.13	Italy	TPS-II
625	OIL SEAL RING IN HALVES- BACK SIDE ANSALDO CODE:MAD07HD001L008 PROP. ITEM OF ANSALDO, ITALY 418237X9	640.64	Italy	TPS-II
626	OIL SEAL RING IN HALVES- INNER SIDE ANSALDO CODE:MAD07HD001L016 PROP. ITEM OF ANSALDO, ITALY	640.64	Italy	TPS-II
627	VALVE STEM END ANSALDO CODE:MAA07AA003L042 PROP. ITEM OF ANSALDO, ITALY PIN 414286X2	284.50	Italy	TPS-II
628	THROTTLE VALVE SERVOMETER SPRING 573638 X 16	64.06	Italy	TPS-II
629	SPRING ANSALDO CODE:MAA07AA016L022 PRO ITEM OF ANSALDO, ITALY FTCL CODE 341351D 224	205.50	Italy	TPS-II
630	SPRING DM30-DW4-LT50 ANSALDO CODE:MAA07AA017L028 PROP. ITEM OF ANSALDO, ITALY	197.17	Italy	TPS-II
631	1/2 SEALING STRIPS COMPLETE OF CAULKIN WIRE IN HALVES 21 ROW D1016 X 1645 OF HP-IP ROTOR. ANSALDO CODE : MAA 07 HB 002L 056	128.13	Italy	TPS-II
632	1/2 SEALING STRIPS COMPLETE OF CAULKIN WIRE DIA 1078X1780 OF IP BLADE RING- 1 ANSALDO CODE:MAA07HA008L011	115.32	Italy	TPS-II
633	1/2 SEALING STRIPS COMPLETE OF CAULKIN WIRE D1108X1830 ANSALDO CODE:MAA07HA008L012 PROP. ITEM OF ANSALDO, ITALY	115.32	Italy	TPS-II
634	STUD DIA: 45 X 265, FOR HP BALANCE PISTON, POS: 43, DRG: 1-4600/4 FTCL CODE: 920286 X 45 X 265	256.26	Italy	TPS-II
635	THROTTLE VALVE SERVOMETER INTERLOCKING BUSH 522217X280 PO4	128.13	Italy	TPS-II
636	FLEXIBLE HOSE FOR THRUST BEARING TYPE:667000-24 Z 0 307, FTCL CODE: 566351C 1	192.19	Italy	TPS-II
637	FLEXIBLE HOSE FOR THRUST BEARING TYPE:667000-24 Z 0 285, FTCL CODE: 566351C 2	192.19	Italy	TPS-II
638	STUD D27X147 ANSALDO CODE:MAA07AA003L028 PROP. ITEM OF ANSALDO, ITALY	87.75	Italy	TPS-II
639	ROLLER BEARING D1-1/4" CYR ANSALDO CODE:MAA07AA004L048 PROP. ITEM OF ANSALDO, ITALY	67.50	Italy	TPS-II
640	DIAL GAUGE SET FOR TURBINE-GEN ROTOR A GNMENT ANSALDO CODE:00089 151 PROP. ITEM OF ANSALDO, ITALY	256.26	Italy	TPS-II
641	1 SET OF TRANSFER PIPE LINE FASTENERS CONSISTING OF A)STUD M45X3 - 1NO. B)CA NUT M45X3 - 2NOS. C)MALE WASHER - 1NO. D)FEMALE WASHER - 1NO. E)PLAIN WASHER 1NO. F)SCREW M20X2.5 WITH PLUG - 2NOS. G)SLOTTED SCREW M16X2 -2NOS.	671.39	Italy	TPS-II
642	SET OF OIL SEAL STRIPS FOR TURBINE BEARING-IV ANSALDO CODE : MAD 07HD008L POS-008 EACH SET CONSISTS OF 8 HALF RING SEALS	512.48	Italy	TPS-II
643	IP blade ring no -1 complete of diaphragm , sealing strips (fins) , blades , fasteners with top half casing and bottom half casing	398,160.00	Italy	TPS-II
644	Intermediate Balance Piston ring complete of diaphragm, labyrinth seal segments, fasteners with top half casing and bottom half casing	154,900.00	Italy	TPS-II
645	Steam Chest- Left complete consisting of 3 Governing Valve seats, Emergency Stop Valve seat and gov servomotor support	366,000.00	Italy	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
646	Stem Chest- Right complete consisting 3 Governing Valve seats, Emergency Stop Valve seat and support for gov servomotor	366,000.00	Italy	TPS-II
647	Bladed Rings in Halves assembled with Stationary blades Type S897E for LP Turbine Fifth stage - Generator side	185,000.00	Italy	TPS-II
648	Bladed Rings in Halves assembled with Stationary blades Type S896E for LP Turbine Fifth stage -Governing side	185,000.00	Italy	TPS-II
649	LP Turbine- Quarter Ring Key	305.33	Italy	TPS-II
650	LP Turbine- Axial Key	800.00	Italy	TPS-II
651	LP Turbine- Radial Key	350.00	Italy	TPS-II
652	LP Turbine- Radial Key	650.00	Italy	TPS-II
653	LP Turbine- Bottom Axial Key	264.50	Italy	TPS-II
654	HP bladed Ring- Support key- Left lifting key with metal allowance	2,480.00	Italy	TPS-II
655	HP bladed Ring- Support key- Left support shim with metal allowance	539.00	Italy	TPS-II
656	HP bladed Ring- Support key- Lower shim Left side	686.00	Italy	TPS-II
657	HP bladed Ring- Support key- Lower shim Right side	686.00	Italy	TPS-II
658	HP bladed Ring- Support key- Right lifting key with metal allowance	2,480.00	Italy	TPS-II
659	HP bladed Ring- Support key- Right support shim with metal allowance	510.00	Italy	TPS-II
660	IP bladed Ring 1- Support key- Lifting key with metal allowance including SHIMS	4,576.00	Italy	TPS-II
661	IP bladed Ring 2- Support key- Lifting key with metal allowance	915.00	Italy	TPS-II
662	IP bladed Ring 2- Support key- Support shim with metal allowance	304.00	Italy	TPS-II
663	IP bladed Ring 2- Support key- Lower shim Left side	488.30	Italy	TPS-II
664	IP bladed Ring 2- Support key- Lower shim Right side	488.30	Italy	TPS-II
665	HP Balance Piston- Key- Lower shim Left side with metal allowance	340.00	Italy	TPS-II
666	HP Balance Piston- Key- Lower shim Right side with metal allowance	340.00	Italy	TPS-II
667	HP Balance Piston- Key- Lifting key Left side with metal allowance	680.00	Italy	TPS-II
668	HP Balance Piston- Key- Lifting key Right side with metal allowance	680.00	Italy	TPS-II
669	Intermediate Balance Piston- Key- Lower shim Left and Right side	484.50	Italy	TPS-II
670	Intermediate Balance Piston- Key- Support shim with metal allowance	304.00	Italy	TPS-II
671	Intermediate Balance Piston- Key- Lifting key	647.50	Italy	TPS-II
672	IP Balance piston- Key- Lower shim Left side with metal allowance	475.00	Italy	TPS-II
673	IP Balance piston- Key- Lower shim Right side with metal allowance	475.00	Italy	TPS-II
674	IP Balance piston- Key- Support shim	313.50	Italy	TPS-II
675	IP Balance piston- Key- Lifting key	629.00	Italy	TPS-II
676	Inner Gland seal- Generator end- Lifting key (GR3)	925.00	Italy	TPS-II
677	Inner Gland seal- Generator end- Lifting key (GR3)	925.00	Italy	TPS-II
678	Inner Gland seal- Governor end- Lifting key (GR3)	925.00	Italy	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
679	Inner Gland seal- Governor end- Lifting key (GR3)	925.00	Italy	TPS-II
680	HP IP Outer casing- Centering Beam Key- Gov Side	1,120.00	Italy	TPS-II
681	HP IP Outer casing- Centering Beam Key- Gen Side	1,120.00	Italy	TPS-II
682	HP inner casing including Nozzle chamber with nozzle blocks complete consists of 1. HP inner cylinder in top & bottom halves and 2. Nozzle Chamber with Nozzle blocks	1,549,800.00	Italy	TPS-II
683	Spring for HP balance piston seal ring. Ansaldo code:MAA07HA012L002	333.95	Italy	TPS-II
684	Special screw for HP balance piston seal ring. MAA07HA012L006	12.81	Italy	TPS-II
685	Female washer D27 for ESV spring assembly. Ansaldo code:MAA07AA003L124	10.25	Italy	TPS-II
686	Stud bolt with dowel D60x420 with socket head nut for IP Turbine inner cylinder. Ansaldo code:MAA07HA002L341, MAA07HA002L346. (set consists of stud bolt-1 No & Nut-1 No)	2,831.63	Italy	TPS-II
687	Calibrated stud bolt dowel D96 x 910 with socket head nut, male and female washer for HP inner cylinder. Ansaldo code:MAA07HA002L411, MAA07HA002L416, MAA07HA002L418, MAA07HA002L419 (set consists of calibrated stud bolt-1 No, Nut-1 No, male washer-1 No & female washer-1 No)	10,238.00	Italy	TPS-II
688	Spring adjusting bolt for governing valve servomotor ANSALDO CODE:MAA07AA002L018	234.50	Italy	TPS-II
689	Followup lever pin for governing valve servomotor, ANSALDO CODE:MAA07AA002L019	168.00	Italy	TPS-II
690	Relay piston stop ring for governing valve servomotor. ANSALDO CODE : MAA07AA002L030	100.75	Italy	TPS-II
691	Roller bearing pin for governing valve servomotor. ANSALDO CODE : MAA07AA002L016	70.47	Italy	TPS-II
692	Vent plug for governing valve servomotor. ANSALDO CODE : MAA07AA002L006	12.75	Italy	TPS-II
693	Male washer Dia 33 for CRH NRV. ANSALDO CODE: MAA07AA015L028	16.70	Italy	TPS-II
694	Female washer Dia 33 for CRH NRV. ANSALDO CODE: MAA07AA015L029	16.70	Italy	TPS-II
695	HP-LP coupling spacer with machining allowance. Ansaldo code No.MAC07HB003L003	108.91	Italy	TPS-II
696	Dowels, set screws and clamp screws for locking LP turbine 6th stage bladed ring on both governing & generator side.	136.08	Italy	TPS-II
697	Stud elongation measuring kit for HPIP Turbine casing of various sizes of studs	3,300.00	Italy	TPS-II
698	HPIP outer casing arms holding down bolts & nuts. Ansaldo code No.MAA07HA001L	1,369.50	Italy	TPS-II
699	HP bladed ring complete of blades, diaphragm and inter stage sealing strips in assembled condition along with fasteners. Ansaldo code No.MAA07HA006L099	515,114.00	Italy	TPS-II
700	VERTICAL SHAFT Hz50, Z=7 for centrifuge, Group:Vertical shaft, Sketch:F5a-F5b. Pos.a1. Part No.D27/11.	2,113.24	Italy	TPS-II
701	Central ring for centrifuge, Group:Bowl, Sketch:F2d-F2e. Pos.f8. Part No.D33/03	1,112.99	Italy	TPS-II
702	Dividing cone dia 185 for centrifuge, Group:Bowl, Sketch:F2d-F2e. Pos.f7. Part No.D33/01	2,352.48	Italy	TPS-II
703	Distributor	3,872.66	Italy	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
704	PUMP BODY for centrifuge, Group:Pump PV3, Sketch:H1a-H1b, Pos i13, Part No.F21/01	2,921.82	Italy	TPS-II
705	COMPLETE PUMP PV3 for centrifuge, Group:Pump PV3, Sketch:H1a-H1b, Pos.i1 to i23	4,952.84	Italy	TPS-II
706	Paring disc plate for centrifuge. Group:Collectors, Sketch:E2b-E2c, Pos:g27, Part No:D32/05.	508.85	Italy	TPS-II
707	BEARING FOR AOP S114/5	600.00	Italy	TPS-II
708	BEARING FOR TGOP S114/6	600.00	Italy	TPS-II
709	SLEEVE ANSALDO CODE:MAV07AP001L016 PRO ITEM OF ANSALDO, ITALY FOR OIL PUMP	3,616.92	Italy	TPS-II
710	OIL SEAL RING SMALL FOR MOP CODE MAYO7AP001/60B	1,065.00	Italy	TPS-II
711	OIL SEAL RINGS POS 03 CODE 676237	960.96	Italy	TPS-II
712	SPRING DIA M31 POS 9	128.13	Italy	TPS-II
713	TURNING GEAR OIL PUMP SHAFT 4000846X8	5,332.00	Italy	TPS-II
714	RINGS FOR OIL OPERATED PILOT VALVE	76.88	Italy	TPS-II
715	CLUTCH COLLAR ANSALDO CODE:MAX07BY004L023 PROP. ITEM OF ANSALDO, ITALY	192.19	Italy	TPS-II
716	HELICAL WHEEL ANSALDO CODE:MAX07BY004L025 PROP. ITEM OF ANSALDO, ITALY	256.26	Italy	TPS-II
717	BUSHING ANSALDO CODE:MAX07BY004L053 PROP. ITEM OF ANSALDO, ITALY	64.06	Italy	TPS-II
718	BUSHING FOR PROTECTIVE DEVICE ANSALDO CODE: MAY07BY001L 102	64.06	Italy	TPS-II
719	Emergency oil Pump impeller. Ansaldo code:MAV07AP004L017	12,812.80	Italy	TPS-II
720	Emergency oil pump wear ring for suction side. Ansaldo code:MAV07AP004L027	486.89	Italy	TPS-II
721	Emergency Oil Pump wear ring for discharge side. Ansaldo code:MAV07AP004L015	486.89	Italy	TPS-II
722	Protective device complete assembly. Ansaldo:MAY07BY001L	37,897.00	Italy	TPS-II
723	COLD REHEAT NON RETURN VALVE MAIN SHAFT 651051A - 233	832.83	Italy	TPS-II
724	III EXTRACTION NRV MAIN SHAFT 371235 X 233	256.26	Italy	TPS-II
725	NON RETURN VALVE SERVOMETER 783135 X 2	6,790.78	Italy	TPS-II
726	3rd Extraction FCNRV engaging shaft. Ansaldo code:MAA07AA018L009	1,089.09	Italy	TPS-II
727	5th Extraction FCNRV plug. Ansaldo code:MAA07AA020L003	320.32	Italy	TPS-II
728	Extraction 5 FCNRV spring. Ansaldo code:MAA07AA020L008	38.44	Italy	TPS-II
729	Blocstop (Anti Fall Device) for sky climber of make M/s Tractel Secalt S.A. Luxembourg with Tirak Motor model X 1030 P suitable to 10.2 mm dia steel wire rope	65,000.00	Germany	TPS-II
730	Tirak Motor (Model X 1030 P) capacity 1000 Kg, Speed 9 m/ min., Rated 1.95 KW, 3 Phase, 415 V, 50 Hz, AC mains suitable for 10.2 mm steel wire rope along with locking pin for mounting with C Stirrup. Motor should have descending provision with suitable lever arrangement in case emergency. Motor also have electrical safety devices such as primary brake, emergency stop, Phase control Relay, Earth fault protection and overload limiting devices.	823,000.00	Germany	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
731	Control box with LED indication lamps for mains (RYB) and Tirak "UP & DOWN" movements, main switch, individual toggle switches (2 Nos) for independent operation, emergency stop push button, remote pendant switch for up & down movement, mains incoming socket (male & female) and Power cable with suitable rating & sufficient length	340,000.00	Germany	TPS-II
732	Rectifier unit for Sky Climber Tirak motor Model X 1030 P for sky climber make M/s Tractel Secalt S.A. Luxembourg	7,700.00	Germany	TPS-II
733	Electromagnetic Brake assembly for Sky Climber Tirak motor (Model X 1030P) of Tractel Secalt make	62,000.00	Germany	TPS-II
734	Remote Pendant Switch for sky climber make M/s Tractel Secalt S.A. Luxembourg with Tirak Motor Model X 1030 P	23,500.00	Germany	TPS-II
735	slew bearing for reclaimer	82,000.00	Germany	TPS-II
736	Seamless tubes 38 x 8.8 mm of 10CrMo910		Through Dealer	TPS-II
737	Seamless tubes 38 x 4 mm of 15Mo3		Through Dealer	TPS-II
738	Seamless tubes 57X x 8 mm of 13CrMo44		Through Dealer	TPS-II
739	Seamless tubes 38 x 4.5 mm of 13CrMo44		Through Dealer	TPS-II
740	Seamless tubes 38 x 5.6 mm of 10CrMo910		Through Dealer	TPS-II
741	Seamless tubes 38 x 6.3 mm of 12Cr1 Mo V		Through Dealer	TPS-II
742	Seamless tubes 38 x 7.1 mm of 12Cr1 Mo V		Through Dealer	TPS-II
743	Seamless tubes 38 x 6 mm of 12Cr1 Mo V		Through Dealer	TPS-II
744	Seamless tubes 38 x 8 mm of 12Cr1 Mo V		Through Dealer	TPS-II
745	Seamless tubes 38 x 6.3 mm of 15Mo3		Through Dealer	TPS-II
746	Seamless tubes 42.4 x 8.8 mm of 15Mo3		Through Dealer	TPS-II
747	Seamless tubes 51 x 4.5 mm of 15Mo3		Through Dealer	TPS-II
748	Seamless tubes 51 x 4.5 mm of 13CrMo44		Through Dealer	TPS-II
749	Seamless tubes 63.5 x 5.6 mm of 15Mo3		Through Dealer	TPS-II
750	Seamless tubes 63.5 x 5.6 mm of 13CrMo44		Through Dealer	TPS-II
751	Seamless tubes 63.5 x 5.6 mm of 10CrMo910		Through Dealer	TPS-II
752	Seamless tubes 63.5 x 5.6 mm of 12CrMoV		Through Dealer	TPS-II
753	Seamless tubes 70 x 7.1 mm of 15Mo3		Through Dealer	TPS-II
754	Seamless tubes 38 x 5 mm of 13CrMo44		Through Dealer	TPS-II
755	Seamless tubes 38 x 5 mm of 12Cr1 Mo V		Through Dealer	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
756	SUPPORT BEARING	1,344,256.00	Sweden/ Germany	TPS-II
757	SPARES FOR I.D. FANS (STAGE - II) PRESSURE RELIEF VALVE TYPE: HVF 50 A2F 1A40	517.50	Germany	TPS-II
758	SPARES FOR F.D FANS (STAGE - II) PRESSURE RELIEF VALVE	311.25	Germany	TPS-II
759	LOP for Guide or Support Brg of RAPH, Stage - II	279,424.00	Sweeden	TPS-II
760	DIFFERENTIAL PRESSURE REGULATOR -A	11,620.00	USA	TPS-II
761	DIFFERENTIAL PRESSURE REGULATOR-B	11,620.00	USA	TPS-II
762	PRESSURE EQUALISING VALVE-SIZE ONE INCH-TURBINE END.	5,580.00	USA	TPS-II
763	PRESSURE EQUALISING VALVE	5,580.00	USA	TPS-II
764	OIL SEAL	5.32	UK	TPS-II
765	SIGHT GLASS ASSY	553.85	UK	TPS-II
766	I STAGE PISTON RING SET	148.19	UK	TPS-II
767	II STAGE PISTON RING SET	91.72	UK	TPS-II
768	III STAGE PISTON RING SET	92.68	UK	TPS-II
769	OVERHAUL JOINT KIT	355.96	UK	TPS-II
770	DDV SERVICE KIT	21.85	SINGAPORE	TPS-II
771	VALVE MAINTENANCE "O" RING KIT	51.45	UK	TPS-II
772	1ST STAGE VALVE MAINTENANCE KIT	268.34	UK	TPS-II
773	2ND STAGE VALVE MAINTENANCE KIT	107.40	UK	TPS-II
774	3RD STAGE VALVE MAINTENANCE KIT	72.43	UK	TPS-II
775	4TH STAGE VALVE MAINTENANCE KIT	108.64	UK	TPS-II
776	SMALL END BUSH	48.61	UK	TPS-II
777	SMALL END BEARING	5.53	UK	TPS-II
778	GUDGEON PIN C200028	23.84	UK	TPS-II
779	CIRCLIP	0.22	UK	TPS-II
780	GUDGEON PIN FOR 2ND,3RD & 4TH STAGE	31.32	UK	TPS-II
781	MAINTENANCE KIT DDV 98650/1531	206.06	UK	TPS-II
782	MAINTENANCE KIT FOR III & IV STAGE DDV	133.07	UK	TPS-II
783	OIL PUMP	460.78	UK	TPS-II
784	OIL FILTER	5.60	UK	TPS-II
785	LUBRICATOR SERVICE KIT	52.12	UK	TPS-II
786	BIG END BEARING FOR H2 COMPRESSOR	79.13	UK	TPS-II
787	second stage cylinder liner for Hydrogen compressor .	580.25	UK	TPS-II
788	I STAGE CYLINDER LINER FOR HYDROGEN COMPRESSOR	819.95	UK	TPS-II
789	CRANK CASE BREATHER FOR HYDROGEN COMPRESSOR	72.50	UK	TPS-II
790	PISTON ASSEMBLY 1V-STAGE FOR HYDROGEN COMPRESSOR	396.09	UK	TPS-II
791	SAFTEY VALVE 1V STAGE FOR HYDROGEN COMPRESSOR.	616.55	SINGAPORE	TPS-II
792	PISTON ASSEMBLY - II STAGE FOR HYDROGEN COMPRESSOR	612.93	UK	TPS-II
793	1 ST STAGE SAFETY VALVE 98650/1020	570.95	SINGAPORE	TPS-II
794	ROLLER CHAIN WITH CONNECTION LINK	38.21	UK	TPS-II
795	CRANK SHAFT ASSEMBLY FOR HYDROGEN COMPRESSORS OF COMPAIR MAKE	1,578.05	UK	TPS-II
796	MAIN BEARING BUSH FOR H2 COMPRESSOR	314.85	UK	TPS-II
797	TUBESTACK ASSEMBLY FOR H2 COMPRESSOR	3,539.88	UK	TPS-II
798	DDV STAGE I AND II FOR 150KSC HYDROGEN COMPRESSOR SPARES	609.82	UK	TPS-II
799	Pipe Nipple 1/8 inch BSP	2.17	UK	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
800	BANJO M5 X 5mm x 1.0 mm Tube	9.03	UK	TPS-II
801	Water Transfer Pipe Assembly	220.80	UK	TPS-II
802	BANJO, 1/4 Inch BSP male to 10mm pipe	18.92	UK	TPS-II
803	BANJO, 1/4 Inch BSP male to 6 mm pipe	18.24	UK	TPS-II
804	ELBOW , 1/8 INCH BSP	3.13	UK	TPS-II
805	TUBE COUPLING, 1/8INCH BSP to 5mm x 1	3.51	UK	TPS-II
806	Metric Coupling , 1/4inch BSP, male to 10mm pipe	3.91	UK	TPS-II
807	Metric Coupling , 1/4inch BSP, male to 6mm pipe	2.87	UK	TPS-II
808	Reducing NIPPLE, 1/4 inch BSP male to M5 female	7.32	UK	TPS-II
809	Second stage gauge pipe assembly for hydrogen compressor	30.83	UK	TPS-II
810	Third stage gauge pipe assembly for hydrogen compressor	143.62	UK	TPS-II
811	SERVICE KIT-LUBRICATION PUMPING UNIT FOR HYDROGEN COMPRESSOR	43.48	UK	TPS-II
812	FLAME PROOF SOLENOID VALVE	444.76	UK	TPS-II
813	SET SCREW M10 X 1.5 X 80 of M/S. COMPAIR REAVELL	7.04	UK	TPS-II
814	III STG CYLINDER LINER	555.52	UK	TPS-II
815	BURSTING DISC & JOINT KIT FOR HYDROGEN COMPRESSOR	34.95	UK	TPS-II
816	CORROSION ROD FOR HYDROGEN COMPRESSOR.	178.04	UK	TPS-II
817	II STAGE PISTON RING SET FOR HYDROGEN COMPRESSOR	158.90	UK	TPS-II
818	III STAGE PISTON RING SET	160.58	UK	TPS-II
819	OVERHAUL JOINT KIT FOR HYDROGEN COMPRESSOR	316.09	UK	TPS-II
820	VALVE MAINTENANCE "O" RING KIT FOR HYDROGEN COMPRESSOR.	93.00	UK	TPS-II
821	MAINTENANCE KIT FOR I&II STG.DDV	570.90	UK	TPS-II
822	MAINTENANCE KIT FOR III & IV STAGE DDV	491.56	UK	TPS-II
823	LUBRICATOR SERVICE KIT FOR HYDROGEN COMPRESSOR	92.56	UK	TPS-II
824	SMALL END BUSH (I STG)	89.78	UK	TPS-II
825	Oil Pump and Drive fitting Assembly for CompAir Compressor .	382.18	UK	TPS-II
826	Oil gauge pipe assembly for hydrogen compressor	37.68	UK	TPS-II
827	Fourth stage gauge pipe assembly for Hydrogen compressor	94.86	UK	TPS-II
828	Suction filter element for hydrogen compressor	33.28	UK	TPS-II
829	New fourth stage piston ring set for hydrogen compressor	166.25	SINGAPORE	TPS-II
830	New liner of fourth stage for hydrogen compressor	515.85	SINGAPORE	TPS-II
831	Non return valve for hydrogen compressor	3,055.21	UK	TPS-II
832	I STAGE PISTON ASSEMBLY FOR HYDROGEN COMPRESSOR -D100237.50	1,054.16	UK	TPS-II
833	III STAGE PISTON ASSEMBLY FOR VHP-15 5415	648.48	UK	TPS-II
834	SEAL DOW 1.25 INCH BSP (VITON)	9.12	UK	TPS-II
835	THIRD STAGE SUCTION PIPE ASSEMBLY	278.35	SINGAPORE	TPS-II
836	GEAR RATIO 6215 : 1	1,105.00	GERMANY	TPS-II
837	Rotary Cam Switch	2,336.25	GERMANY	TPS-II
838	ROTARY CAM LIMIT SWITCH WITH GEAR	2,416.25	GERMANY	TPS-II
839	POSITION TRANSMITTER FOR HP BY PASS SYSTEM TYPE R-SG15+4K-70 MAKE: SULZER, SWITZERLAND.		Switzerland	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
840	SPEED SENSOR / PROXIMITY SWITCH, INDUCTIVE TYPE, 2 WIRE, NAMUR TYPE ACCORDING TO DIN 19234, PEPPERL + FUCH PART No: NJ-10-30 GK-80-N	2,750.00	Germany	TPS-II
841	INDUCTIVE PROXIMITY SENSOR, MAKE: PEPPERL+FUCHS, MODEL: NBB20-U1-Z2,	2,100.00	Germany	TPS-II
842	TWO WIRE PROXIMITY SWITCH FOR SOOT BLOWERS . Specifications:Make: P &F , Model: NCB10-30GM40-Z1	2,490.00	Germany	TPS-II
843	SPEED MONITORING UNIT.MAKE:P&F MODEL:KFU8-UFC-EX1.D	24,750.00	Germany	TPS-II
844	FLOW INDICATING SWITCH, ERHARD MAKE, FOR FD FAN LUB OIL (STAGE I)	1,184.00	Germany	TPS-II
845	POSITION FEEDBACK TRANSMITTER FOR HP/LP BYPASS. MAKE : CCI	5,599.00	Germany	TPS-II
846	Braun Turbine Speed Sensor for Stage-1 EHC	62,000.00	Germany	TPS-II
847	Sensor for vibration measurement for Stage I Turbine . Model: EK-2108- 150-00-1-10	37,380.00	USA	TPS-II
848	Sensor for Turbine eccentricity and Speed measurement for Stage I Turbine . Model: EK-2108 - 50-00-1-10	30,100.00	USA	TPS-II
849	Sensor for HPDE and LPDE for Stage I Turbine . Model: EK-2126 - 50-00-1-10	87,640.00	USA	TPS-II
850	Sensor for rotor position for stage I Turbine. Model: EK-2114-40-00 - 1- 10	38,500.00	USA	TPS-II
851	Probe driver for Vibration measurement , Turbine eccentricity & Speed measurement for Stage I Turbine. Model: EK-2108- 9 - 001	43,540.00	USA	TPS-II
852	Probe driver for HPDE and LPDE for Stage I Turbine. Model: EK-2125- 9 - 001	115,780.00	USA	TPS-II
853	Probe driver for Rotor position for Stage I Turbine. Model: EK- 2111- 9- 001	67,900.00	USA	TPS-II
854	Extension cable for Vibration measurement, Turbine eccentricity and Speed measurement for Stage I Turbine. Model: EK-2170-1-80	28,840.00	USA	TPS-II
855	Extension cable for HPDE & LPDE for Stage I Turbine. Model: EK-2173-1-80	61,180.00	USA	TPS-II
856	Extension cable for Rotor position for Stage I Turbine. Model: EK- 2171- 1- 80	28,840.00	USA	TPS-II
857	Accelerometer for Vibration measurement for Stage I Turbine. Model: EK-43784-I	41,440.00	USA	TPS-II
858	LVDT for Shell expansion for Stage I Turbine. Model: EK-15383	198,800.00	USA	TPS-II
859	Sensor cable for Vibration measurement for Stage I Turbine. Model: EK-44135	14,560.00	USA	TPS-II
860	High Energy Igniter, With Ignition Lance & Tip	251,000.00	Germany	TPS-II
861	Optical adjustment aid for alignment of the UV & IR Flame Scanner sighting tube, Model: D-ZS-118	54,500.00	Germany	TPS-II
862	FLOW INDICATING SWITCH, ERHARD MAKE, FOR ID FAN LUB OIL	1,448.00	Germany	TPS-II
863	CELLA PRESSURE SWITCH FOR AUXILLIARY CONTROL OIL [STAGE-1]. SPECIFICATIONS: 1).MODEL: BWX - DN.2).RANGE: 0 to 6 Bar.	15,925.00	Italy	TPS-II
864	CELLA VACUUM SWITCH FOR CONDENSER [STAGE-1]. SPECIFICATIONS:1).MODEL: MWXX - DN. 2).RANGE: (-1) to 0 Bar.	14,945.00	Italy	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
865	DIFFERENTIAL PRESSURE SWITCH, GEORGIN MAKE, MODEL DMPB -16M10, FOR FURNACE PRESSURE. SPECIFICATIONS : 1) RANGE : 2 TO 40 mBar.	70,572.00	France	TPS-II
866	CELLA EXHAUST STEAM TEMPERATURE SWITCH. [STAGE-1]. SPECIFICATIONS: 1).MODEL:TWG B - DN. 2).RANGE: 0 to 160 Deg.C.	19,404.00	Italy	TPS-II
867	CELLA LP GLAND STEAM TEMPERATURE SWITCH. [STAGE-1]. SPECIFICATIONS: 1).MODEL:TWG C - DN. 2).RANGE: 0 to 250 Deg.C.	36,750.00	Italy	TPS-II
868	TURBINE TRIP SOV for Stage-1, 2/2way Direct Operated,24V DC	183,277.00	Germany	TPS-II
869	Khume make QUICK CLOSING OIL BURNER VALVE SPARE STAGE-I STAINLESS STEEL BELLOWS FOR VALVES. TYPE : KVF/DW & KVF CODE : 02102100520405 MATERIAL : 1.4541	TO BE PURCHASED	Germany	TPS-II
870	Khume make BELLOWS SEALED STEM FOR BURNER QCV (KVF) SIZE & CLASS : ANSI 1/2 " to 1" 300 lbs	97,500.00	Germany	TPS-II
871	SEAL KIT FOR FIXED RANGE POSITIONER M/1540 (USED IN BFP SCOOP TUBE CONTROL SYSTEM) P/N QM/1540/00	12,120.00	Germany	TPS-II
872	PROXIMITY NAMUR SENSOR. MODEL: NJ2-11--N-G	1,850.00	Germany	TPS-II
873	PROXIMITY / SPEED SENSOR, 3 WIRE, CYLINDRICAL TYPE, P&F MAKE, MODEL NBN 4-12GM50-E2	725.00	Germany	TPS-II
874	Durag make FLAME SCANNER: D-LE 603- UA-P , Spectral range 190 to 570 nm with plug type and 1.5 M silicone cable	139,000.00	Germany	TPS-II
875	INFRARED FLAME ELECTRONIC CONTROL UNIT- DURAG MAKE - MODEL No. D-UG 660, 24V DC SUPPLY, 4 - 20 mA OUTPUT AND CONTACTS OUTPUT, WITH HOUSING UNIT G 66	162,000.00	Germany	TPS-II
876	INFRARED FLAME DETECTOR UNIT D-LE 603-ISMP, DURAG MAKE, 300 TO 1100 NM SPECTRAL RANGE, WITH AXIAL METAL PLUG TYPE MP AND 1.5M SILICONE CABLE CONNECTION	130,500.00	Germany	TPS-II
877	PROXIMITY SENSOR MODEL : NBN 40-U1-Z2	2,225.00	Germany	TPS-II
878	LOCAL COMM.& PHASE MARKER MODULE	184,920.00	Japan	TPS-II
879	ABSOLUTE VIBRATION MONITOR MODULE	230,920.00	Japan	TPS-II
880	FK SENSOR (RELATIVE SHAFT VIB SENSOR)	23,460.00	Japan	TPS-II
881	FK CABLE (RELATIVE SHAFT VIB SEXT.CABLE-8 MTRS)	34,040.00	Japan	TPS-II
882	FK DRIVER (RELATIVE SHAFT VIBRATION DRIVER)	21,620.00	Japan	TPS-II
883	PIEZOELECTRIC VELOCITY TRANSDUCER(ABS. CASING VIB. SENSOR)	58,880.00	Japan	TPS-II
884	EXTENSION CABLE (ABS. CASING VIB. SENSOR EXT. CABLES-10 MTRS)	2,625.00	Japan	TPS-II
885	FK SENSOR (BRG.1 DIFF EXP SENSOR)	92,000.00	Japan	TPS-II
886	FW CABLE (BRG.1 DIFF EXP.CABLE)	49,680.00	Japan	TPS-II
887	FK DRIVER (BRG.1 DIFF EXP DRIVER)	102,120.00	Japan	TPS-II
888	FK SENSOR (BRG.2 AXIAL SHIFT SENSOR)	35,880.00	Japan	TPS-II
889	FW CABLE (BRG.2 AXIAL SHIFT.CABLE)	25,300.00	Japan	TPS-II
890	FK DRIVER (BRG.2 AXIAL SHIFT DRIVER)	51,520.00	Japan	TPS-II
891	FK SENSOR (BRG.3 & 4 DIFF.EXP. SENSOR)	78,200.00	Japan	TPS-II
892	FW CABLE (BRG.3 & 4 DIFF.EXP. CABLE-8 MTRS)	49,680.00	Japan	TPS-II
893	FK DRIVER (BRG.3 & 4 DIFF.EXP. DRIVER)	102,120.00	Japan	TPS-II
894	24 V DC POWER SUPPLY	15,000.00	Japan	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
895	Seal kit for KUHME Valve Type KVF DN 1/2 inch ANSI 300	27,747.72	Germany	TPS-II
896	Seal kit for KUHME Valve Type KVI/HF DN 3" ANSI 600	74,414.34	Germany	TPS-II
897	QCV [SERVICE :LDO] -SIZE 2"600 LBS - SPARES: FLAT GASKET.	21.15	Germany	TPS-II
898	QCV [SERVICE :LDO]-SIZE 2"600 LBS - SPARES: VALVE CONE GASKET.	78.21	Germany	TPS-II
899	QCV [SERVICE :LDO],SIZE 2"600 LBS - SPARES: SS BELLOW INCL. STEM	706.50	Germany	TPS-II
900	QCV [SERVICE :LDO],SIZE 2"600 LBS - SPARES: O- RING.	8.64	Germany	TPS-II
901	QCV [SERVICE :LDO],SIZE 2"600 LBS - SPARES: O- RING.	3.60	Germany	TPS-II
902	QCV [SERVICE :LDO],SIZE 2"600 LBS - SPARES: O- RING.	22.77	Germany	TPS-II
903	QCV [SERVICE :LDO],SIZE 2"600 LBS - SPARES: O- RING.	19.35	Germany	TPS-II
904	QCV [SERVICE :LDO],SIZE 2"600 LBS - SPARES: O- RING.	1.62	Germany	TPS-II
905	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: VALVE CONE GASKET	85.32	Germany	TPS-II
906	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: PISTON GUIDE	61.92	Germany	TPS-II
907	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: LIP SEAL. MATERIAL:FKM	39.15	Germany	TPS-II
908	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: SS BELLOW INCL. STEM	1,139.58	Germany	TPS-II
909	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: O RING. MATERIAL:FKM	14.94	Germany	TPS-II
910	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: O RING. MATERIAL:NBR	19.35	Germany	TPS-II
911	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: LIP SEAL .MATERIAL:NBR	63.27	Germany	TPS-II
912	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES:O RING . MATERIAL:NBR	2.25	Germany	TPS-II
913	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES:GROOVED RING .	36.27	Germany	TPS-II
914	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES:O RING . MATERIAL:FKM	27.81	Germany	TPS-II
915	QCV [SERVICE :LDO],SIZE 2"600 LBS - SPARES: FLAT GASKET.	2.25	Germany	TPS-II
916	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: O RING. MATERIAL:FKM	37.08	Germany	TPS-II
917	QCV [MAIN OIL],SIZE 3"600 LBS - SPARES: O RING. MATERIAL:FKM	5.67	Germany	TPS-II
918	GROOVED RING.MATERIAL:NBR	2.97	Germany	TPS-II
919	QUICK CLOSING VALVE SPARES:FLAT GASKET	21.24	Germany	TPS-II
920	QUICK CLOSING VALVE SPARES:'O' RING	13.50	Germany	TPS-II
921	QUICK CLOSING VALVE SPARES:'O ' RING	14.31	Germany	TPS-II
922	Seal Kit for KUHME Valve Type KVF-R, KVF, 1 inch, 600 lbs	31,803.94	Germany	TPS-II
923	Seal Kit for KUHME Valve Type KVF, 1inch, 300lbs	32,330.20	Germany	TPS-II
924	TEMP.SWITCH (ASHCROFT), 0 - 160 DEG C, FOR ID/FD FAN	87,182.50	USA	TPS-II
925	FLOAT DEVICE WITHOUT FLOAT (RBA 35)	298.00	Germany	TPS-II
926	MAGNETIC SWITCH	91.60	Germany	TPS-II
927	FLOAT BALL	258.10	Germany	TPS-II
928	GSR make Blowing Valve, size DN 50 Flanged with Complete set for Water Lance	118,500.00	Germany	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
929	DIFFERENTIAL PRESSURE INDICATOR WITH 2 CHANGE OVER CONTACTS AND CONNECTOR HAN 7D TYPE 4.36.2.3 P=1.2. ID No: 0551242. MATERIAL:ALUMINIUM. SERVICE: DIFFERENTIAL PRESSURE ACROSS LUB. OIL FILTER. MEDIUM: OIL. PRESSURE RANGE: 0 to 1.2 KSC. MAKE:BOLL & KIRCH.	1,137.00	Germany	TPS-II
930	Central Processing Unit for New DCS SIERUG -Power Controller		Germany	TPS-II
931	Analog Input Module Type I 6ES7 331-7NF10-0AB0		Germany	TPS-II
932	Analog Input Module Type II 6ES7 331-7NF00-0AB0		Germany	TPS-II
933	Analog Input Module for Governor Type III&IV 6ES7 335-7HG01-0AB0 SUCESSOR MODULE MLFB No: 6ES7-3357-HG02-0AB0		Germany	TPS-II
934	Analog Output Module (Type I & Type II) 6ES7 332-5HD01-0AB0		Germany	TPS-II
935	Digital input Module (Type I) 6ES7 321-1BL00-0AA0		Germany	TPS-II
936	Digital input Module (Type II) 6ES7 321-1BH02-0AA0		Germany	TPS-II
937	Digital Output Module 6ES7 322-1BL00-0AA0		Germany	TPS-II
938	RTD Input Module 6ES7 331-7PF01-0AB0		Germany	TPS-II
939	Interface Module Consisting of 2 Nos. IM Modules(6ES7 153-2BA02-OXB0) & 1 No. Connector(6ES7 195-7HD10-0XA0) SUCESSOR OF 6ES7-1532-AR03-0AX0; ET200M-RED-BUNDLE 6ES7-1532-AR04-0AX0		Germany	TPS-II
940	Siemens SIERUG Controller- Central processing unit with built in LAN and LCM Module 9SA7004-X7202-T000	1,600,500.00	Germany	TPS-II
941	CP 5613 A2 Card for the Sierug Power CPU 6GK-1503-2CC00		Germany	TPS-II
942	XM-124 Dynamic Measure Module (Equivalent for XM-121A Absolute Shaft Vibration Module for TSI)	136,900.00	USA	TPS-II
943	XM-124 Dynamic Measure Module (Equivalent for XM-320 Position Module for TSI)	155,300.00	USA	TPS-II
944	XM-124 Dynamic Measure Module (Equivalent for XM-120E Eccentricity Module for TSI)	136,900.00	USA	TPS-II
945	XM-220 Speed Monitoring Module for TSI	137,100.00	USA	TPS-II
946	XM440 Output master relay module for Turbo Supervisory System		USA	TPS-II
947	Compact Logix Processor 1769-L32E for Turbo Supervisory System		USA	TPS-II
948	2 Channel Current/Voltage Analog Output Module for TSI	32,700.00	USA	TPS-II
949	8 point VAC / VDC Relay output module 1769-OW8 for Turbo Supervisory System		USA	TPS-II
950	Flue Gas Analyser for SO2 (0-3000 ppm), NOx (0-3000 ppm) and CO (0-2000ppm). 19inch rack mounting with 4-20mA and communication output. LCD display.	530,000.00	JAPAN	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
951	STAGE-II TURBINE NORGREN HERION make fire protection SOV one-one equivalent for old model, Main valve cat. no: 5203962, Type: S25G1202G0231342 MV PILOT, SOV Cat. no: 5203702, Type: S10G02G0191353MV	516,076.10	Germany	TPS-II
952	STAGE-II TURBINE NORGREN HERION make LP Bypass SOV one-one equivalent for old model, Cat. no: 5201189.7601, Type: S10G51G0190013 MV , Main valve Cat. no: 5203961, Type: S25G1251G0230682 MV	1,240,198.00	Germany	TPS-II
953	FREQUENCY CONVERTER , MAKE: LENZE, TYPE: E82EV152K4C. WITH LCD CONTROL UNIT	50,118.00	United Kingdom	TPS-II
954	CHOKING COIL OF MOTOR FILTER USED IN M/s. CLYDE BERGEMANN WATER LANCE SYSTEM. MAKE:LENZE,U.K. TYPE: ELM3 - 0 30H004. CHOKING COIL: 2 X 3 mH 10 % 3 X 4 Amp.	24,032.00	United Kingdom	TPS-II
955	Khume make ELECTRO-PNEUMATICALLY CONTROLLED QUICK CLOSING VALVE, FOR ATOMISING STEAM, TY : KVF DN 1" PN 300 LBS, COMPLETE WITH ACTUATOR AND THE FOLLOWING ACCESSORIES 1) ELECTRO - PNEUMATICALLY CONTROLLED 3/2 WAY SOLENOID VALVE, WITH 24V DC COIL, FITTINGS & VALVES FO	TO BE PURCHASED	Germany	TPS-II
956	Khume make ELECTRO-PNEUMATICALLY CONTROLLED QUICK CLOSING VALVES WITH 2nos. CONTROL SOLENOID VALVES (1) (TYPE KVF & KVF/R AND 4 LIMIT SWITCHES TAG.NO.CSV 66.52 A-D TAG.NO.CSV 66.53 A-DXCK-J IEC 337.1 NFL 63-14542-270 DU.100 (1.019 & 1.020)	TO BE PURCHASED	Germany	TPS-II
957	Khume make ELECTRO _PNEUMATICALLY CONTROLLED QUIC CLOSING VALVE WITH 1nos. CONTROL SOLENOID VALVE 1/2' (TYPE KVF)1nos. 3 WAY VALVE (TYPE KVF/ DW) 1/2 AND 4 LIMIT SWITCHES TAG.NO.CSV 66.70 AD TAG.NO.CSV 66.71 ADXCK-JIEC 337.1 NFC 63-14542-500 DU.104 & 105 1.033 & 1.0	TO BE PURCHASED	Germany	TPS-II
958	42-270 DU.11711.1.7 TYPE KVF ELECTRONEUMATICALLY CONTROLLED QUICK CLOSING VALVE	TO BE PURCHASED	Germany	TPS-II
959	ELECTRO- PNEUMATICALLY CONTROLLED QUIC CLOSING VALVES (2 VALVES IN SERIES), F OIL, TYPE KVF DN1" PN 600 LBS & KVF / DN1" PN 600 LBS, EACH COMPLETE WITH ACTUATOR AND FOLLOWING ACCESSORIES : 1 ELECTRO - PNEUMATICALLY CONTROLLED 3/2 WAY SOLENOID VALVE WITH 2 Part No.:KVF DN1" PN 600Lbs & KVF/R DN1" PN 600Lb	TO BE PURCHASED	Germany	TPS-II
960	QUICK CLOSING VALVES(2 VALVES IN SERIES)FOR PURGE STEAM	7,513.00	Germany	TPS-II
961	SOLENOID VALVE FOR TESTING OF MAIN STOP VALVES/ REHEAT STOP VALVES. REF.NO. MAX61AA 211 + 212, MAX 61AA 221 + 222	538,498.00	Germany	TPS-II
962	SOLENOID VALVE FOR AUX.STARUP OIL LINE GOV .RACK, REF.NO.MAX 48 AA 202/201	TO BE PURCHASED	Germany	TPS-II
963	ELECTRO-PNEUMATICALLY CONTROLLED QUICK CLOSING VALVE WITH ACTUATOR, FOR LDO MAIN LINE TYPE : KVF DN 2" PN 600 LBS, COMPLETE WITH THE FOLLOWING ITEMS : 1)ELECTRO-PNEUMATICALLY CONTROLLED 3/2 WAY SOLENOID VALVE, HERION MAKE, MODE 2401103.0842 WITH 24VDC C Drawing No.:EVT : 1.45555 / 511 -7.33333333333333	TO BE PURCHASED	Germany	TPS-II

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
964	Khume make Quick Closing Valve FOR Heavy Furnace Oil MAIN OIL VALVE KV1/HF FLUID: HEAVY FUEL OIL, MAX OPERATING PRESSURE: 38 BAR-G CONTROL, VOLTAGE:24VDC, SIZE:3 INCH, RATING:600LBS, ACTUATOR: PNEUMATIC PISTON, ACCESSORIES: 1 OF 3/2 WAY SOLENOID VALVE(2 PER VALVE) LIMIT SWITCHES (MECHANICAL) WITH PROTECTIVE COVER WITH LIMIT SWITCHES		Germany	TPS-II
965	Khume make BELLOWS SEALED STEM, FOR QUICK CLOSING VALVE (KVI/HF),SIZE AND CLASS : DN 3" ANSI 600lbs	365,540.00	Germany	TPS-II
966	SOLENOID VALVE FOR HFO MAIN OIL LINE DN 3 INCH, KVI/HF VALVE	248,555.00	Germany	TPS-II
967	4 INCH BORE, 200 MM STROKE, FIXED RANGE POSITIONER CYLINDER, WITHOUT MOUNTING BRACKET, FOR BFP 1540 / 200SCOOP TUBE MAKE : MARTONAIR, PART NO. : M /	691,324.00	Germany	TPS-II
968	737010055 : BFP SCOOP SPARES. SINGLE ACTING SPRUNG OUT CYLINDER.Cat.No:RM/ 9175 /30 D-SPWG /2222 / H / 3 (OLD No: SM / 9175 / 30)	21,441.00	Germany	TPS-II
969	DIFFERENTIAL PRESSURE SWITCH FOR BFP LUB OIL FILTER . MODEL No: DPD 2T - H18SS. MAKE: BARKSDALE DE LAVAL.SPECIFICATION: 1).PRESSURE ELEMENT: DIAPHRAGM. 2).RANGE: 0.03 to 11 BAR,	32,785.00	Germany	TPS-II
970	BOILER FEED PUMP LUB OIL PRESSURE SWITCH(TRIP SWITCH & ADEQUATE SWITCH) MAKE: BARKSDALE. MODEL: D2T - H18SS SPECIFICATION: 1).PRESSURE ELEMENT: DIAPHRAGM., 2).RANGE: 0.03 to 5.5 BAR	20,898.50	Germany	TPS-II
971	Filled system temperature switch, model no. L2H-H354, Make: Barksdale	49,500.00	Germany	TPS-II
972	FLOW INDICATING SWITCH, ERHARD MAKE, FOR ID FAN LUB OIL	1,448.00	Germany	TPS-II
973	BLIND RIGID STEM FILLED SYSTEM TEMPERATURE SWITCH (THERMOSTAT), FOR BFP WORKING OIL 1) RANGE : 40 to 170 DegC,	45,496.32	Germany	TPS-II
974	SH3 Outlet Header for Stage I Boiler		Through Manufacturer	TPS-II
975	RH2 Outlet Header for Stage I Boiler		Through Manufacturer	TPS-II
976	SH 10% Safety Valve Spares		Germany	TPS-II
977	Furnace Maintenance Platform (Sky Climber) Assembly	3,700,000.00	Germany	TPS-II
978	Self-Propelled Battery Operated Articulating Boom Lift Platform	9,310,034.00	This type of articulating boom lift is not manufactured in India and is being imported by Indian dealers for supplying ti various agencies	TPS-II
979	AVESTA 253 MA 2.5 MM	1,616.60	Sweden/ Austria	TPS-II Expn.
980	AVESTA 253 MA 3.2 MM	1,616.60	Sweden/ Austria	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
981	ER 90S-B9 FILLER WIRE	1,321.60	Holland/ Austria	TPS-II Expn.
982	E 9015-B9 2.5 MM WELDING ELECTRODE	3,610.80	Austria	TPS-II Expn.
983	Purging Paper for T-91 Welding	1,052.80	USA	TPS-II Expn.
984	HYDRAULIC JACK-Model: KH93/37-93T	348,462.06	Germany / USA	TPS-II Expn.
985	9770E-Hose3/8 inch NPTF both ends threaded-4 mtrs. long	14,697.04	Germany / USA	TPS-II Expn.
986	End connector Male & Female Set	11,062.29	Germany / USA	TPS-II Expn.
987	Seal kit for KH-93/37	35,083.25	Germany / USA	TPS-II Expn.
988	Repair kit for Hydraulic Power Pack E220, Model B. Pressure 10000PSI/700 Bar. Serial No. 1511AH58119	10,272.12	Germany / USA	TPS-II Expn.
989	Manifold with valve and Hoses (4 Mtrs long)	36,833.77	Germany / USA	TPS-II Expn.
990	Manifold with Valve-1 Inlet /2 Outlet with end connector	31,545.75	Germany / USA	TPS-II Expn.
991	DISCHARGE CUM AUTO RECIRCULATION VALVE OF EMERGENCY BOILER FEED PUMP. Make: SCHROEDAHL - ARAPP GmbH & Co. KG, Type: MRM110 UVW-CS. Size (DN): 4", Class (PN):2500lbs, mat.: A105, Order:K08 0784.1-2, item.: 5111012618	2,509,464.70	Germany	TPS-II Expn.
992	JACKING OIL PUMP SPARE. COMPLETE JACKING OIL SCREW PUMP (BARE PUMP). Make: ALLWEILER (TUSHACO), Model: T3 SA-38/46 HTSXALXRXXBBNLG [SDA/A 80/46 GQ - W112] and Serial No. 063999/0992.	1,752,300.00	Germany	TPS-II Expn.
993	LP Bypass oil- phosphate ester based FYRQUEL EHC OIL	2,655.00	USA	TPS-II Expn.
994	Complete Spares of CENTRIFUGAL COMPRESSOR MODEL: 02XR327KBH52, Sl.Nos.2108L35637/ 38 / 39 & CHILLER MODEL No.19XR 30 30 327 KB H 52, Sl. Nos. XR3H1477/1478/1479, Capacity: 250TR	Yet to be procured. Rate not known.	CHINA. (Alternate sources: USA/ Brazil/France)	TPS-II Expn.
995	ZR160HP SCREW ELEMENT FOR IAC	2,090,921.60	Germany	TPS-II Expn.
996	M/s Aerzon make Blowers and its spares	-	Germany	TPS-II Expn.
997	Autogard make 400 series Torque Limiter	396,769.10	Germany	TPS-II Expn.
998	RALF SEW Eurodrive Helical Bevel Gear unit KAF87/A	298,699.30	Germany	TPS-II Expn.
999	M/s Atlas copco make Instrument and service air compressor and its spare	-	Germany	TPS-II Expn.
1000	PA,SA, ID fans Bearings- Dodge RTL sleeve bearings and its spares	-	USA	TPS-II Expn.
1001	RAPH Support and Guide bearings	-	USA	TPS-II Expn.
1002	Rotary airlock feeder bearings-22220 &22224	-	USA	TPS-II Expn.
1003	SCR - Roller Bearing Slew Ring of ROTHE ERDE:	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1004	Slew drive Hydraulic Motor.	Yet to be procured. Rate not known.	Germany	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1005	Hydraulic motor to suite Boom conveyor of SCR-A/B	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1006	Bucket Wheel Hydraulic Drive Motor.	8,214,958.15	Germany	TPS-II Expn.
1007	Hydraulic PUMP for Boom Drive	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1008	Hydraulic PUMP for Slew Drive	1,327,579.00	Germany	TPS-II Expn.
1009	Hydraulic PUMP for Bucket Wheel Drive	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1010	Hydraulic oil pump with electric motor complete to suite Boom conveyor of SCR- A/B (Power pack unit complete)	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1011	Radial Lip for Motor-CB 840, Motor no: 840 CA0N00 00 00 for SCR Bucket Wheel.	101,732.52	Germany	TPS-II Expn.
1012	Wear Ring for Motor-CB 840, Motor No: 840 CA0N00 00 00 for SCR Bucket Wheel.	229,420.32	Germany	TPS-II Expn.
1013	Dust Seal for Motor-CB 840, Motor No: 840 CA0N00 00 00 for SCR Bucket Wheel.	58,996.46	Germany	TPS-II Expn.
1014	Radial Lip for Motor, Motor No:CA 100 100 CB0NH0 02 00 for SCR Boom Conveyor.	29,140.10	Germany	TPS-II Expn.
1015	Wear Ring for Motor, Motor No: CA 100 100 CB0NH0 02 00 for SCR Boom Conveyor.	44,785.72	Germany	TPS-II Expn.
1016	Wear ring (Top cover side) for Motor-CA210 of SCR Slew.	28,494.64	Germany	TPS-II Expn.
1017	Lip seal (Top cover side) for Motor-CA210 of SCR Slew.	28,494.64	Germany	TPS-II Expn.
1018	Bica 37 Brake Seal Kit - Nitrile for Motor-CA210 of SCR Slew.	179,266.78	Germany	TPS-II Expn.
1019	Lip seal (Top cover side) for Motor-CB 840 840 CA0N00 00 00 for SCR Bucket Wheel.	18,305.34	Germany	TPS-II Expn.
1020	Wear ring (Top cover side) for Motor-CB 840 840 CA0N00 00 00 for SCR Bucket Wheel.	28,494.64	Germany	TPS-II Expn.
1021	Seal kit pump complete for slew pump -SP40 EPG/30-VXB60K994N	230,812.50	Germany	TPS-II Expn.
1022	Shaft Seal kit for slew pump - WDR A4VSG40S1111	130,573.00	Germany	TPS-II Expn.
1023	Seal kit complete for Boom Drive pump -SP500-SR-V-EP-R90-2433970	454,827.50	Germany	TPS-II Expn.
1024	Seal kit complete for Bucket Wheel Drive pump - SP250-SR-V-EP-2430562	412,119.00	Germany	TPS-II Expn.
1025	PH Transmitter Model No.:1056 - 01 - 20 - 38 - AN	95,557.59	Singapore	TPS-II Expn.
1026	PH Sensor with 15 metres cable Model No.:730496	66,312.87	Singapore	TPS-II Expn.
1027	Contacting Conductivity Transmitter Model No.:1056 - 01 - 20 - 38 - AN	95,557.59	Singapore	TPS-II Expn.
1028	Conductivity Sensor with 15 mtrs cable Model No.: 400 - 11	68,236.90	Singapore	TPS-II Expn.
1029	Dissolved Oxygen Transmitter Model No.:1056 - 01 - 25 - 38 - AN	121,822.23	Singapore	TPS-II Expn.
1030	Dissolved Oxygen Sensor with 15mtrs cable Model No.:499ATRDO-54-60-70	218,187.05	Singapore	TPS-II Expn.
1031	HACH Analyser - Filter, Interference 810NM- Item Code 3125600	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1032	HACH Analyser - Lens, Aspheric Condenser 5X18 MM- Item Code 3146500	Yet to be procured. Rate not known.	USA	TPS-II Expn.

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1033	HACH Analyser - Sample Cell Series 5000 - Item Code 4490700	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1034	HACH Analyser - Motor Assembly, Stirrer Series 5000 - Item Code 4495500	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1035	HACH Analyser - Circuit Board Assembly, Photocell S5000-Item Code 4499600	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1036	HACH Analyser - Sensor Assembly, Sample Pressure - Item Code 4697430	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1037	HACH Analyser - Sensor Assembly, Reagent Pressure- Item Code 4697530	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1038	HACH Analyser - Kit, Tubing Replace Series 5000- Item Code 4698200	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1039	HACH Analyser - Valve, Solenoid Pinch,2Way NC - Item Code 4730200	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1040	HACH Analyser - Stir Bar, Star Head,17MMDX13MMH- Item Code 4493600	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1041	HACH Analyser - Filter, Foot Strainer 149 Micron - Item Code 4495300	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1042	HACH Analyser - si Lamp Assembly Series 5000 - Item Code 4597900	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1043	HACH Analyser - si Ckt Bd Assembly, Power Supply BD 5000-I-Code 4760200	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1044	HACH Analyser - aa Ckt Bd Assembly, MPU 5000 Silica- Item Code 4760410	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1045	SWAS Spares - Diffusion Tubing kit for use with DIPA Part No: 211194	11,412.68	USA	TPS-II Expn.
1046	SWAS Spares - DIPA (Diisopropylamine) Reagent	4,379.87	USA	TPS-II Expn.
1047	SWAS - Hydrazine Analyzer Spares - Oxygen Scavenger Monitor PNo. - 2118XP	425,472.60	USA	TPS-II Expn.
1048	SWAS - Hydrazine Analyzer Spares - Calibration Kit Part No. - 2118XPCAL	271,051.07	USA	TPS-II Expn.
1049	SWAS - Hydrazine Analyzer Spares-Oxygen Scavenger Reagent, PNo. - 181811	60,066.72	USA	TPS-II Expn.
1050	SWAS-Ammonia Analyzer Spares - Ammonia Monitor, Part No. - 2110XP	459,510.41	USA	TPS-II Expn.
1051	SWAS-Ammonia Analyzer Spares-2110XP Ammonia CalibKit, PNo. 2110PCAL	101,662.92	USA	TPS-II Expn.
1052	SWAS-Ammonia Analyzer Spares - Acetic Acid Reagent (Local)	5,005.56	USA	TPS-II Expn.
1053	SWAS-Ammonia Analyzer Spares - Diffusion Tubing (Thick), 4 ft, PNo.-150060	12,614.01	USA	TPS-II Expn.
1054	Gas Analyser S710E-2 Nos. Measuring Gases: NO / SO2/ CO Make: SICK	2,438,009.80	USA	TPS-II Expn.
1055	Sampling system GASS6000 PLUS assembly-2 Nos (Make: Permapure)	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1056	DUST Analyser DUSTHUNTER DHT50 with sender/receiver unit	669,237.00	USA	TPS-II Expn.
1057	ETP Analyser Spares-pH Sensor, Range 2-12 Make S::CAN, Model PH::lyser	84,617.80	Austria	TPS-II Expn.
1058	ETP Analyser Spares-Carbolyser for measuring Turbidity & TOC & DOC.	Yet to be procured. Rate not known.	Austria	TPS-II Expn.
1059	ETP Analyser Spares-Concube Transmitter with Display	Yet to be procured. Rate not known.	Austria	TPS-II Expn.
1060	Axial shift Transducer Model: VL-452A11A-1002 with 1 meter cable	42,761.78	Japan	TPS-II Expn.

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1061	-Axial Shift Extension Cable Model:VW-452AA-1002 8 meter	30,152.54	Japan	TPS-II Expn.
1062	Axial shift Driver Model: VK-452A2	61,401.54	Japan	TPS-II Expn.
1063	Rotor Expansion (HPT)-Sensor with 1 meter cable VL-263P50A-102	109,645.60	Japan	TPS-II Expn.
1064	Rotor Expansion (HPT)-8 meter Extension cable VL-263PA-8	59,208.62	Japan	TPS-II Expn.
1065	Rotor Expansion (HPT)-Driver VK-263P4	121,706.62	Japan	TPS-II Expn.
1066	Rotor Expansion (IPT &LPT)-Driver VK-143P2	121,706.62	Japan	TPS-II Expn.
1067	Rel. Shaft Vibration (X&Y) Monitor-VK-202A2	40,568.87	Japan	TPS-II Expn.
1068	Dual Thrust / Axial Shift Monitor-VM-5T-93010-001-001-001-0	134,864.09	Japan	TPS-II Expn.
1069	Dual Diff Expansion Monitor HP Rotor-VM-5D-92010-000-000-001-0	169,950.68	Japan	TPS-II Expn.
1070	Complimentary input Diff Expansion Monitor / IP Rotor-VM-5L-91010-000-000-001-0	191,879.80	Japan	TPS-II Expn.
1071	Ramp Diff Expansion Monitor / LP Rotor - VM-5L-91010-000-000-001-0	169,950.68	Japan	TPS-II Expn.
1072	Diff Expansion Monitor / HPT/ HPDE - VM-5J-99000-001-001-001-0	220,387.66	Japan	TPS-II Expn.
1073	Diff Expansion Monitor / IPT/ IPDE - VM-5J-99000-001-001-001-0	220,387.66	Japan	TPS-II Expn.
1074	Power Supply Unit - VM-5Z1	182,559.92	Japan	TPS-II Expn.
1075	Turbine Speed Sensor with 2M Cable Make: Jaquet Model: DSF1210.00 SHV	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1076	TSI Spares-Absolute Bearing vibration (X& Y)-Piezo velocity transducer CV 861	69,738.00	Japan	TPS-II Expn.
1077	TSI Spares-Absolute Bearing vibration (X& Y)-Extension cable FM-CV-EXTC-001	8,968.00	Japan	TPS-II Expn.
1078	TSI Spares-Relative Vibration (X&Y)-Displacement sensor-Direct Mount type VL-202A08A-1092 (9=120 MM)	35,754.00	Japan	TPS-II Expn.
1079	TSI Spares-Relative Vibration (X&Y)-Displacement sensor-Reverse Mount type FL-202F08R-M2-R5-03-10	27,022.00	Japan	TPS-II Expn.
1080	TSI Spares-Relative Vibration (X&Y)-Extension cable Model No.: FW-202FL-80	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1081	TSI Spares-Relative Vibration (X&Y)-Driver Module Model No.: FK-202F-2-3-1	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1082	TSI Spares-Rotor Expansion (IPT & LPT) Sensor with 1 meter cable Model No. : FL-143F27A-M1-00-04-10	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1083	TSI Spares-Rotor Expansion (IPT & LPT) Extension cable-8 meters Model No. : FW-143FA-80	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1084	TSI Spares-Rotor Expansion (IPT & LPT) Driver Module-Model No. : FK-143F-2-3-1	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1085	TSI Spares-Casing Expansion (HPT & IPT) Linear Variable Differential Transmitter-Model No. LS-050T-M	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1086	TSI Spares-Phase Marker (Key Phasor) Sensor-Model No.; FL-202F08A-M2-00-03-10	30,444.00	Japan	TPS-II Expn.
1087	TSI Spares-Phase Marker (Key Phasor) Extension cable Model No.: FW-202FA-80	29,146.00	Japan	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1088	TSI Spares-Phase Marker (Key Phasor) Driver Module Model No.: FK-202F-2-3-1	39,176.00	Japan	TPS-II Expn.
1089	TSI Spares-Eccentricity Sensor-Model No.: FL-202F08A-M2-00-03-10	30,444.00	Japan	TPS-II Expn.
1090	TSI Spares-Eccentricity-Driver Module-Model No.: FK-202F-2-3-1	39,176.00	Japan	TPS-II Expn.
1091	TSI Spares-Absolute Shaft vibration (X & Y) Monitor Module VM 55-911310-001-001-0 (9=0-800 um pk-pk for abs shaft vib)	217,474.00	Japan	TPS-II Expn.
1092	TSI Spares-Eccentricity Sensor Extension Cable-FW-202FA-80	29,146.00	Japan	TPS-II Expn.
1093	Piezo Velocity Transducer Model : CV-861, Sensitivity : 3.94 mV/mm/sec (100mV/in/s Ref.) Pk, Power Supply: 18 to 30 VDC, 2 to 10mA DC	70,682.00	Japan	TPS-II Expn.
1094	Extension cable - 10 meters- FM-CV-EXTC-001 for Piezo Velocity Transducer CV-861	8,850.00	Japan	TPS-II Expn.
1095	SHINKAWA Rotor Expansion (IPT/LPT)-Sensor with 1 meter cable VL-143P25A-1002	94,121.52	Japan	TPS-II Expn.
1096	SHINKAWA Extension cable - 8 meters - VW-143PA-8 for Rotor Expansion (IPT/LPT)-Sensor VL-143P25A-1002	59,794.85	Japan	TPS-II Expn.
1097	Relative Vibration (X & Y)-Displacement sensor - Direct Mount type - VL202A08A-1092	37,311.60	Japan	TPS-II Expn.
1098	Relative Vibration (X & Y)-Displacement sensor - Reverse Mount type - VL202A08R-1012	28,236.46	Japan	TPS-II Expn.
1099	Extension cable - VW202AL-8 for Relative Vibration (X & Y)-Displacement sensor	25,766.72	Japan	TPS-II Expn.
1100	SHINKAWA Abs. Shaft Vibration (X&Y) Monitor Module-VM5	222,569.71	Japan	TPS-II Expn.
1101	Pressure Transmitter - 0 to 30 Ksc	27,601.20	Germany	TPS-II Expn.
1102	Pressure Transmitter - 1.4 to 140 Ksc	28,315.20	Germany	TPS-II Expn.
1103	Pressure Transmitter - 50 to 500 Ksc	29,845.20	Germany	TPS-II Expn.
1104	Pressure Transmitter - (-)1 to 3 Ksc	27,121.80	Germany	TPS-II Expn.
1105	Pressure Transmitter - (-)1 to 9 Ksc	27,121.80	Germany	TPS-II Expn.
1106	Differential Pressure Transmitter - 5 to 100 mbar	40,861.20	Germany	TPS-II Expn.
1107	Differential Pressure Transmitter - 10 to 1000 mbar	41,269.20	Germany	TPS-II Expn.
1108	Differential Pressure Transmitter - 50 to 5000 mbar	42,697.20	Germany	TPS-II Expn.
1109	Compact Electronic Pressure Transmitter - 0 to 10 bar, 2-wire, 4-20 mA,	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1110	FISHER Make - Digital Valve Controller with Transmitter - DVC6200 205-AD-ATEXIS-G160B (DVC-825) for Control Valves	155,552.09	Singapore	TPS-II Expn.
1111	FISHER Make - Digital Valve Controller with Transmitter - DVC6200-204-AD-ATEXIS-G60B (DVC-820) for Control Valves.	152,891.47	Singapore	TPS-II Expn.
1112	Smart Electropneumatic Positioner for Control Valve, Make: Siemens, Model: 6DR5110-0NN00-0AA0.	55,517.60	Germany.	TPS-II Expn.
1113	Smart Electropneumatic Positioner for Control Valve, Make: Siemens, Model: 6DR5220-0EN00-0AA0.	67,226.30	Germany.	TPS-II Expn.
1114	Siemens Sipart PS2 Smart Positioner Spares - Single Acting Gauge Block	2,886.60	Germany.	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1115	Siemens Sipart PS2 Smart Positioner Spares - Double Acting Gauge Block	3,570.00	Germany.	TPS-II Expn.
1116	Siemens Smart Positioner -Position Feedback Module(4-20mA)6DR4004-8J	10,172.40	Germany.	TPS-II Expn.
1117	Siemens Sipart PS2 Smart Positioner Spares- Single Acting Valve Block Assembly - Model No. C73451-A430-D80	33,313.20	Germany.	TPS-II Expn.
1118	Siemens Sipart PS2 Smart Positioner Spares- Double Acting Valve Block Assembly - Model No. C73451-A430-D81	38,413.20	Germany.	TPS-II Expn.
1119	Pneumatic Double Acting Positioner for LSHS - Make: Young Tech, YT100RD	40,857.50	Korea	TPS-II Expn.
1120	HBM Weight Indicator K-WTX110-A-AC1-TA-ETH-AO-NO-AA for Bunker load Cells	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1121	BFP Scoop Controller: Make: ABB, Model: Electronic Contrac EBN 853 in metal housing (IP 66) for part-turn actuator RHD 250-10, Rated torque: 250Nm.	407,100.00	Germany	TPS-II Expn.
1122	Feedback Transmitter Contrac B suitable for Make: ABB, Model: RHD 250 Actuator	81,420.00	Germany	TPS-II Expn.
1123	Part Turn Actuator without Electronics - Make: ABB, Model: RHD 250	495,600.00	Germany	TPS-II Expn.
1124	Position feedback unit for LP Stop valve actuator, Model: R+4k, CCI Art No: 103225224200	232,925.70	Switzerland	TPS-II Expn.
1125	Single acting control unit, Model: SACU 200F, CCI Art No: 103228578200	1,685,536.65	Switzerland	TPS-II Expn.
1126	Seal set for SACU 200F, CCI Art No: 103228578290	62,257.65	Switzerland	TPS-II Expn.
1127	Position feedback unit for LP control valve actuator, Model: R-SG 16+4K, CCI Art No: 103225224223.	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1128	Proportional valve for LP control valve actuator, Model: PV8/1, CCI Art No: 103227861001.	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1129	Seal set for Proportional valve, Model: PV8/1, CCI Art No: 101007335.	57,039.15	Switzerland	TPS-II Expn.
1130	Proportional valve for LP spray valve actuator, Model: PV6kS, CCI Art No: 103215282002.	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1131	Seal set for proportional valve, Model: PV6kS, CCI Art No: 101000783.	45,432.45	Switzerland	TPS-II Expn.
1132	Positioner module card, Model: PVR 10-10, CCI Art No: 103215285200.	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1133	Temp transmitter, Model: PT compact plus, CCI Art No: 000101007058.	62,346.90	Switzerland	TPS-II Expn.
1134	Level Transmitter, Model: LK3123, CCI Art No: 000101007060.	157,983.00	Switzerland	TPS-II Expn.
1135	Solenoid Valve, Model: 2/2 way WK 220NZ5V-1/ 24VDC, CCI Art No: 000101008337.	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1136	Pressure Transmitter, Model: IUT-10 Range: 0 to 300 Bar, CCI Art No: 000101008970.	391,537.65	Switzerland	TPS-II Expn.
1137	Flow Switch, Model: BFS-10-N-G1/ 2-MS/WE-ST, CCI Art No: 000101008394	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1138	Pressure Switch, Model: VR2C.0/V, CCI Art No: 000101009207.	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1139	Pressure Switch, Model: Tecis 3152, CCI Art No: 000101008832.	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1140	Diff Pressure Switch, Model: VD-5-D.X/ VL24, CCI Art No: 000101009208	82,320.00	Switzerland	TPS-II Expn.
1141	LPBP Spares-CCI Make Proportional valve - PV8 Part No. 103240892001	1,147,004.96	Switzerland	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1142	LPBP Spares- CCI Make Proportional valve - PV6 Part No. 000101011559	953,946.34	Switzerland	TPS-II Expn.
1143	LPBP Spares- CCI Make Position FB Tr-R-SG 16+4K Part No. 103225224233	875,713.99	Switzerland	TPS-II Expn.
1144	LPBP Spares-PVR10eP Electronic Module cable and PASO PNo. 201 330-PVR-10-10	1,229,134.68	Switzerland	TPS-II Expn.
1145	LPBP Spares-Pressure Switch / Gauge Part No. 000101009207	115,586.84	Switzerland	TPS-II Expn.
1146	LPBP Spares-Pressure Switch Part No. 000101008832	118,786.25	Switzerland	TPS-II Expn.
1147	LPBP Spares-Fluid Level Gauge Part No. 000003195095	21,611.88	Switzerland	TPS-II Expn.
1148	LPBP Spares-Flow Switch Part No. 000101008394	145,892.59	Switzerland	TPS-II Expn.
1149	LPBP Spares-Solenoid Valve 2/2 Way Part No. 000101008337	106,020.52	Switzerland	TPS-II Expn.
1150	LPBP Spares-Level transmitter Part No. 000101007060	253,125.58	Switzerland	TPS-II Expn.
1151	LPBP Spares-Position Feed back unit R+ 4K Part No. 103225224200	373,199.85	Switzerland	TPS-II Expn.
1152	LPBP System - Solenoid Valve - Wandfluh-SIN45V-G24	28,320.00	Switzerland	TPS-II Expn.
1153	Turbine Speed Sensor & Cable Make: Braun GMBH Model: A5S07T50-2M	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1154	Turbine Speed Monitor - Make: Braun GMBH Model: D1553 143U1	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1155	Flame Scanner, Make: Durag, Model: D-LE 603 UA-P	180,417.28	Germany.	TPS-II Expn.
1156	Flame Scanner Control Unit, Make: Durag, Model: D-UG 660 (110 V AC Supply)	163,068.92	Germany.	TPS-II Expn.
1157	Fail Safe Relay Unit, Make: Durag, Model: D-ZS 130	52,257.15	Germany.	TPS-II Expn.
1158	LPG Ignitor, Make: DURAG / HEGWEIN, Model: ZA-1-180P/ K0K5M	595,607.36	Germany.	TPS-II Expn.
1159	Ionisation flame monitor with transformer part's front panel (Model Z884-K7-K5M) for Hegwein LPG Ignitor ZA1-180P/ K0K5M	156,940.00	Germany.	TPS-II Expn.
1160	Durag Housing Unit D-UG 660-G66 for One Flame Scanner Control Unit, Make: Durag, Model: D-UG 660 (110 V AC Supply)	Yet to be procured. Rate not known.	Germany.	TPS-II Expn.
1161	EBFP-Cont GRP (Pulse Width Module)-Part No. 1402175	109,452.00	Singapore	TPS-II Expn.
1162	EBFP-Sensor GP (Coolant Temp) Part No. 1022240	12,146.40	Singapore	TPS-II Expn.
1163	EBFP-Temperature Sensor GP-PR (Crank Case, Atmospheric) Part No. 1619926	15,365.70	Singapore	TPS-II Expn.
1164	EBFP-Sensor GP-PR (Turbo Outlet) Part No. 1946724	15,365.70	Singapore	TPS-II Expn.
1165	EBFP- Sensor GP-PR (Turbo Inlet L/R) Part No. 1619926	15,365.70	Singapore	TPS-II Expn.
1166	EBFP-Sensor GP-PR (Filtered & Un Filtered Fuel/Oil) Part No. 1946725	15,365.70	Singapore	TPS-II Expn.
1167	EBFP-Belt Part No. 1417116	2,649.15	Singapore	TPS-II Expn.
1168	EBFP - Sensor GP (Speed) Part No. 3181181	11,659.20	Singapore	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1169	EBFP-Sensor GP-SP (Pri / Sec Timing) Part No. 2735041)	20,244.00	Singapore	TPS-II Expn.
1170	EBFP - Adapter Part No. 2616847	2,524.20	Singapore	TPS-II Expn.
1171	EBFP - Sensor GP-TE (Exhaust) Part No. 4152432	88,852.05	Singapore	TPS-II Expn.
1172	EBFP - Cont GP (Electronic Control Module) Part No. 3482388	415,474.58	Singapore	TPS-II Expn.
1173	EBFP - Sensor GP-TE Part No. 2566453	4,018.35	Singapore	TPS-II Expn.
1174	EBFP - Injector GP Part No. 3920214	204,168.30	Singapore	TPS-II Expn.
1175	Electronic Water Drain Valve - EWD 330 Part No: 2901 0635 00 for IAC	32,537.44	Belgium	TPS-II Expn.
1176	Electronic Water Drain Valve - EWD 330 Part No: 2901 0661 00 for SAC	29,355.04	Belgium	TPS-II Expn.
1177	Compressor Spares - Set Wearing Parts EWD 330 1500C Part No. 2901063300	22,377.96	Belgium	TPS-II Expn.
1178	Compressor Spares - Valve Complete Part No. 2901063500	34,866.93	Belgium	TPS-II Expn.
1179	Compressor Spares - Sensor Level Part No. 1089065957	16,557.97	Belgium	TPS-II Expn.
1180	Compressor Spares - Sensor Pressure Part No. 1089962516	19,346.24	Belgium	TPS-II Expn.
1181	Compressor Spares - Sensor Pressure Part No. 1089962518	16,909.62	Belgium	TPS-II Expn.
1182	Compressor Spares - Sensor Pressure Part No. 1089962512	19,298.38	Belgium	TPS-II Expn.
1183	Compressor Spares - Sensor Part No. 1089057470	13,047.66	Belgium	TPS-II Expn.
1184	Compressor Spares - Sensor Pressure Part No. 1089962513	16,909.62	Belgium	TPS-II Expn.
1185	Compressor Spares - Sensor Pressure Part No. 1089962519	20,017.30	Belgium	TPS-II Expn.
1186	Compressor Spares - Temp Sensor Part No 1089057446	13,858.13	Belgium	TPS-II Expn.
1187	Compressor Spares - Sensor Pressure Part No. 1089962514	18,420.28	Belgium	TPS-II Expn.
1188	Compressor Spares - Set of Wearing Parts Part No 2901065900	29,387.14	Belgium	TPS-II Expn.
1189	Compressor Spares - Valve Mounting Parts Part No 2901066000	6,071.77	Belgium	TPS-II Expn.
1190	Compressor Spares-Regulator Elektronikon IIID Part NO. 1900071032	199,815.06	Belgium	TPS-II Expn.
1191	Compressor Spares-Regulator Elektronikon IIB Part NO. 1900071012	119,453.53	Belgium	TPS-II Expn.
1192	Compressor Spares - Solenoid Valve ZR75 Part No. 1089042814	21,886.89	Belgium	TPS-II Expn.
1193	Compressor Spares-Solenoid Valve ZR900/ZA4/ZA5 Part No.1089059021	86,337.59	Belgium	TPS-II Expn.
1194	Compressor Spares-Valve Solenoid ZR275/ZR 160 Part NO. 1089059026	49,228.61	Belgium	TPS-II Expn.
1195	Compressor Spares-Solenoid Valve 110 / 50 GA90 Part No.1089070213	4,994.96	Belgium	TPS-II Expn.
1196	Compressor Spares - Solenoid Valve GA 250 Part No. 1089062104	14,971.36	Belgium	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1197	Compressor Spares - Electronic Water Drain - EWD 330C 230 P No. 8102041988	102,907.80	Belgium	TPS-II Expn.
1198	Compressor Spares - Vlv for Electronic Water Drain EWD 330C PNo. 8204094034	8,572.04	Belgium	TPS-II Expn.
1199	Temperature transducer for ZR75X & GA 250 Compressors - P No. 1089 0574 70	16,189.78	Belgium	TPS-II Expn.
1200	DP Air Filter Pressure Transducer for ZR75X - P No. 1089 9625 36	21,084.72	Belgium	TPS-II Expn.
1201	Intercooler Pressure Transducer for ZR75X - P No. 1089 9625 35	16,318.41	Belgium	TPS-II Expn.
1202	Compressor Outlet Pressure Transducer for ZR75X - P No 1089 9625 34	20,343.25	Belgium	TPS-II Expn.
1203	Lvl Control Of Water Separator At Intercooler Outlet for ZR75X-Pno. 8102041947	816,221.34	Belgium	TPS-II Expn.
1204	Oil Level Indicator (Site Glass) for Atlas Copco ZR75X - P Number 1621 6002 00	12,250.47	Belgium	TPS-II Expn.
1205	Solenoid Valve for Atlas Copco ZR75X - Part Number 1089 0428 14	29,310.09	Belgium	TPS-II Expn.
1206	Thermostat for AHS Atlas Copco GA 250 Compressors - P. No. 1619756000	18,236.89	Belgium	TPS-II Expn.
1207	Air Filter Pressure Transducer - GA 250 Compressors Part Number 1089 9625 36	Yet to be procured. Rate not known.	Belgium	TPS-II Expn.
1208	Oil Separator Diff Pr Transducer for GA 250 Compressors - P No. 1089057520	30,972.32	Belgium	TPS-II Expn.
1209	Three Way Solenoid Valve for GA 250 Compressors - Pno. 1089 0621 04	19,950.35	Belgium	TPS-II Expn.
1210	Electronic Water Drain Kit for GA 250 Compressors - PNo. 2901 0749 00	15,176.95	Belgium	TPS-II Expn.
1211	Regulating Valve for GA 250 Compressors - P No. 1621 0399 00	102,161.12	Belgium	TPS-II Expn.
1212	Acoustic Steam Leak Detection System Spares - AirBorne Sensor - P. No. CRL-765M7	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1213	Acoustic Steam Leak Detection System Spares-Sensor Isolator P. No. PTFE ISO for AirBorne Sensor - CRL-765M7	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1214	Acoustic Steam Leak Detection System Spares - Pre Amplifier P. No. 2460-J for Air Borne Sensor 765M7	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1215	Acoustic Steam Leak Detection System Spares-Dual Signal Processor Module - DSPM for Air borne Sensors	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1216	Acoustic Steam Leak Detection System Spares - Relay Input & Output Module - RIOM for Air Borne Sensors	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1217	Acoustic Steam Leak Detection System Spares - Main Control Module - CM	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1218	Relay Board CEMS 100 FOR ACP 2 & 3	103,950.00	China	TPS-II Expn.
1219	Display board CEMS 100 for ACP 2 & 3	74,550.00	China	TPS-II Expn.
1220	Return Air Sensor for ACP 2 & 3	16,275.00	China	TPS-II Expn.
1221	International Chiller Visual Controller (ICVC).	391,242.24	China	TPS-II Expn.
1222	Pressure transducer at chiller units.	32,319.00	China	TPS-II Expn.
1223	Temperature sensor for Chiller	13,948.20	China	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1224	Pressure Transducer for HVAC System	57,339.74	China	TPS-II Expn.
1225	Temperature Sensor for HVAC System	14,536.42	China	TPS-II Expn.
1226	Transducer Cable Assembly for HVAC System	Yet to be procured. Rate not known.	China	TPS-II Expn.
1227	CCM Module for Carrier - 19XR Water cooled Centrifugal Chiller	254,521.28	China	TPS-II Expn.
1228	GE Fanuc PLC POWER SUPPLY Module-IC695PSA040	43,660.00	USA	TPS-II Expn.
1229	GE Fanuc PLC POWER SUPPLY Module-IC695PSA140	45,124.38	USA	TPS-II Expn.
1230	GE Fanuc PLC - RX3i Ethernet Interface Module - IC695ETM001	115,050.00	USA	TPS-II Expn.
1231	GE Fanuc PLC POWER SUPPLY Module-IC695PSA040	43,660.00	USA	TPS-II Expn.
1232	GE Fanuc PLC POWER SUPPLY Module-IC695PSA140	45,124.38	USA	TPS-II Expn.
1233	GE Fanuc PLC - RX3i Ethernet Interface Module - IC695ETM001	115,050.00	USA	TPS-II Expn.
1234	GE Fanuc PLC - Rx3i CPU Unit for PLC - 300MHZ CPU Catalogue No. IC695CPU310.	429,090.08	USA	TPS-II Expn.
1235	GE Fanuc PLC - Digital Input Module 24V DC 32 Point-IC200MDL650	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1236	GE Fanuc PLC - Digital Output 24V DC 32 Point-IC200MDL750	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1237	GE Fanuc PLC-Rx3i Genius Bus Controller Module-IC694BEM331A	221,551.96	USA	TPS-II Expn.
1238	GE Fanuc PLC - Power Supply Module 24v DC for NIUs-IC200PWR002	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1239	GE Fanuc PLC - Analog Input Module, 12 Bit V / I, 8 Channel-IC200ALG260	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1240	GE Fanuc PLC - Remote I/O Genius NIU Module - IC200GBI001	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1241	GE Fanuc PLC-Modbus Master Module-IC695CMM002	118,704.47	USA	TPS-II Expn.
1242	GE Fanuc PLC - Compact IO Carrier Box Style-IC200CHS022	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1243	GE Fanuc PLC-RX3i 16 Universal Module Slots Base-IC695CHS016	60,957.49	USA	TPS-II Expn.
1244	GE Fanuc PLC-RX3i 12 Universal Module Slots Base-IC695CHS012	54,643.98	USA	TPS-II Expn.
1245	Rockwell PLC - LOGIX 5563 Processor with 8MB Memory Part Number-1756L63	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1246	Rockwell PLC - Control Logix AC Power supply Part Number-1756PA75	47,472.60	USA	TPS-II Expn.
1247	Rockwell PLC - SLC communication adopter Part Number-1761NETAIC	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1248	Rockwell PLC - Control Logix Enet/IP Module Part Number-1756ENBT	99,131.55	USA	TPS-II Expn.
1249	Rockwell PLC - Controlnet Bridge Module Part Number-1756CNBR	95,349.45	USA	TPS-II Expn.
1250	Rockwell PLC-Control Logix 32 pt 12/24V DC DI Module Part Number-1756IB32	22,581.66	USA	TPS-II Expn.
1251	Rockwell PLC-Control Logix 32 pt 12/24V DC DO Module Part Number-1756OB32	31,978.00	USA	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1252	Rockwell PLC - Control Logix 16 pt AI Module Part Number-1756IF16	73,421.96	USA	TPS-II Expn.
1253	Rockwell PLC - Control Logix Flex Logix Battery Part Number-1756BA1	4,179.56	USA	TPS-II Expn.
1254	Rockwell PLC - Control Logix Flex Logix Battery Part Number-1756BA2	4,362.46	USA	TPS-II Expn.
1255	Rockwell PLC - ControlLogix Redundancy Enhanced Module-PNo: 1756RM2	200,859.60	USA	TPS-II Expn.
1256	Rockwell PLC-ControlLogix 10 Slots Chasis - Part No. 1756A10	29,383.18	USA	TPS-II Expn.
1257	Rockwell PLC-ControlLogix 13 Slots Chasis Part No. 1756A13	35,273.74	USA	TPS-II Expn.
1258	Rockwell PLC-ControlNet Media BNC Terminator MOQ-Part No. 1786XT	479.08	USA	TPS-II Expn.
1259	RockWell PLC-Control Logix 17 Slots Chasis Part No. 1756A17	39,403.74	USA	TPS-II Expn.
1260	Rockwell PLC - ControlLogix 8 Point Analog out put (IorV) Module PNo. 1756OF8	92,919.10	USA	TPS-II Expn.
1261	Siemens S7-300 Digital Input 16 Ch Module-6ES7 321-1FH00-0AA0, 120/230 VAC.	15,304.60	Germany	TPS-II Expn.
1262	Siemens S7-300 Digital Output, 16 Ch, Module-6ES7 322-1FH00-0AA0, 120/230VAC	25,098.60	Germany	TPS-II Expn.
1263	Siemens S7-300 Analog Input, 16 Ch, Module - 6ES7 331-1KF01-0XB0, 120/230 VAC	31,293.60	Germany	TPS-II Expn.
1264	Siemens S7-300 Analog Output, 4 Channel Module, - 6ES7 331-5HD01-0XB0	37,996.00	Germany	TPS-II Expn.
1265	Siemens S7-300 CPU 315/2 Controller Module - DP 6ES7 315-2AG10-0AB0	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1266	Siemens S7-300 ET200M 153-2 Interface Module, - 6ES7 153-2BA01-0XB0	54,364.04	Germany	TPS-II Expn.
1267	Siemens S7-300 FM350 Counter Module 6ES7- 350- 1AH03 - 0AE0	28,585.50	Germany	TPS-II Expn.
1268	Siemens S7-300 CP 341 Communication Module - 6ES7 341-1AH01-0AE0	75,455.07	Germany	TPS-II Expn.
1269	Switch Amplifier - 2 channel Pepperl & Fuchs, Model No: KFD2-SR2-EX2.W	9,868.50	Singapore	TPS-II Expn.
1270	Switch Amplifier - 1 channel Pepperl & Fuchs, Model No: KFD2-SR2-EX1.W.LB	8,032.50	Singapore	TPS-II Expn.
1271	Over speed / Under speed Monitor Pepperl & Fuchs, Model No: KFU8-DWB-1.D	25,960.00	Singapore	TPS-II Expn.
1272	Inductive Proximity Sensor: Pepperl & Fuchs, Model No: NBB5-18GM50-E2	885.00	Singapore	TPS-II Expn.
1273	Inductive Proximity Sensor Make: Pepperl & Fuchs, Model No: NJ8-18GM-N	3,327.75	Singapore	TPS-II Expn.
1274	Inductive Proximity Sensor Make: Pepperl & Fuchs, Model No: NJ5-18GK-N	3,717.00	Singapore	TPS-II Expn.
1275	Inductive Proximity Sensor Make: Pepperl & Fuchs, Model No: NJ8-18GK-N-150	15,093.75	Singapore	TPS-II Expn.
1276	Frequency to Voltage / Current Converter: Pepperl & Fuchs, KFU8-FSSP-1.D	18,704.25	Singapore	TPS-II Expn.
1277	Inductive Proximity Sensor - Make: Pepperl & Fuchs Model: NJ8-18GM50-E2	932.20	Singapore	TPS-II Expn.
1278	Pepperl & Fuchs Signal Converter - RTD to 4-20 mAmp - KFD0-TR-1-Ex1	18,752.01	Singapore	TPS-II Expn.
1279	Pepperl & Fuchs Transmitter Power Supply Module - KFD2-CR4-1.20	18,752.01	Singapore	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1280	Pepperl + Fuchs Make Universal Temperature Converter KFD2-UT2-Ex1	28,890.00	Singapore	TPS-II Expn.
1281	Linear position transducer for HP/IP control valve, Penny+ Giles make	Yet to be procured. Rate not known.	UK	TPS-II Expn.
1282	Vega MOT - Level Transmitter	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1283	E&H MOT - Level Transmitter	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1284	Krohne Marshall - MOT Level Transmitter	Yet to be procured. Rate not known.	France	TPS-II Expn.
1285	Flow Switch/ Indicator for HPBP control oil	Yet to be procured. Rate not known.	Sweden	TPS-II Expn.
1286	Power Supply-Hagglunds Spider Control Unit-P No.939003773/85044090	Yet to be procured. Rate not known.	Sweden	TPS-II Expn.
1287	LCD Unit-Hagglunds Spider Control Unit-P No.939066782/85285900	Yet to be procured. Rate not known.	Sweden	TPS-II Expn.
1288	HYDAC Filter clogging indicator for LPBP & JOP	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1289	Emerson - Mass flowmeter	Yet to be procured. Rate not known.	Singapore / China	TPS-II Expn.
1290	ABB Mass flowmeter	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1291	Siemens Mass flowmeter	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1292	Camille Bauer - SINEAX V 624 Transducer	96,000.00	Germany	TPS-II Expn.
1293	Camille Bauer - Programmable watt transducer P200 -094-232	Yet to be procured. Rate not known.	Germany	TPS-II Expn.
1294	Dew Point Sensor	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1295	Hydrogen Purity meter	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1296	Yokogawa - O2 Analyzer - zirconia sensor	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1297	Yokogawa - O2 Analyzer - Transducer	Yet to be procured. Rate not known.	Japan	TPS-II Expn.
1298	Actuator for fire damper in HVAC system - NF24 -S	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1299	Position feedback transmitter for HPBP system - R-SG 15+4K	Yet to be procured. Rate not known.	Sweden	TPS-II Expn.
1300	Electronic signal unit, type - SG15 - A - B	Yet to be procured. Rate not known.	Sweden	TPS-II Expn.
1301	SWAN - Silica Analyzer	Yet to be procured. Rate not known.	Switzerland	TPS-II Expn.
1302	Thermo Fisher - Silica Analyzer	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1303	RAPH GO switch	Yet to be procured. Rate not known.	USA	TPS-II Expn.
1304	Resistor Network for Star delta Starter in Chiller Unit motor of Main AC plant	139,500.00	China	TPS-II Expn.
1305	Integrated starter Module for Main chiller plant	97,620.00	China	TPS-II Expn.
1306	GE Make Feeder Protection Relays F650	280,000.00	USA	TPS-II Expn.
1307	GE make Multilin MIF-II Digital Feeder Relay	100,000.00	USA	TPS-II Expn.

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1308	BTS SUV 3000	1,600,000.00	France	TPS-II Expn.
1309	LE 25.1 AUMA LINEAR THRUST UNIT	154,000.00	Germany	TPS-II Expn.
1310	LE 50.1 AUMA LINEAR THRUST UNIT	172,000.00	Germany	TPS-II Expn.
1311	SATEC Energy Meter, ECP ENERGY METER, Model:PM172E; Class of Accuracy: 0.2s class.	72,000.00	USA	TPS-II Expn.
1312	GE make 889 Relays	280,000.00	USA	TPS-II Expn.
1313	DC Field Breaker for 250MW Generator	4,500,000.00	France	TPS-II Expn.
1314	Closing coil Assembly for Field Breaker	-	France	TPS-II Expn.
1315	Tripping coil Assembly for Field breaker	-	France	TPS-II Expn.
1316	Siemens Relay for GRP of 250MW Generator	-	Switzerland	TPS-II Expn.
1317	Hitachi -Hirel UPS and Charger cards	-	JAPAN	TPS-II Expn.
1318	Semiconductor fuse, 690V AC, 250Amps rating, FERRAZ/MERSON make, Model 6,9 URD 30 D11A 0250 (REF.NO:X300124C).	5,700.00	POLAND	TPS-II Expn.
1319	Semiconductor fuse, 2500V DC , 20Amps rating, FERRAZ/MERSON make, Model D 250 SRC 200 KI 0020 REF: 080102.	23,500.00	POLAND	TPS-II Expn.
1320	Semiconductor fuse, 2500V AC , 50Amps rating, FERRAZ/MERSON make, Model A250 URJB 0050 KOKI REF: T080103A.	16,400.00	POLAND	TPS-II Expn.
1321	Semiconductor fuse, 1500V DC , 2Amps rating, FERRAZ/MERSON make, Model FD20GB150V2T - size 20X127 - 2A, FUSE REF.NO:B088367	4,900.00	POLAND	TPS-II Expn.
1322	Static Snubber Card (HPN 043) Updated Version HSN 8504 00	7,500.00	JAPAN	TPS-II Expn.
1323	SYSTEM MANAGER CARD HRD- 571 HSN 8504 0000	65,000.00	JAPAN	TPS-II Expn.
1324	HIREL SMPS HRD - 268 / 20 BATT HSN 8504 0000	25,000.00	JAPAN	TPS-II Expn.
1325	Inverter Control Card / Re system Control card H2 HRD 046 HSN 8504 0000	95,000.00	JAPAN	TPS-II Expn.
1326	3 Phase Charger Control Card 20 Batt DCCT (HPN 207) HSN 8504 0000	29,000.00	JAPAN	TPS-II Expn.
1327	MFT ACTUATOR, AUMA MAKE: ACTUATOR MODEL No: SA 14.2-B3-90, 1.4 KW, 2800 RPM, 415V, 50Hz, 3 Phase AC power supply, class F insulation, Torque range (Min - Max) 100 to 250 nm (aproximately), output drive / mounting flange - B3 / F14.	Not known	Germany	TPS-II Expn.
1328	Fire sensing units and its control cards	Not known	Norway and singapore	TPS-II Expn.
1329	Generator Circuit Breaker and its accessories	Not known	Sweden	TPS-II Expn.
1330	Air lock for motor with Gear-5.5/10KW	500,000.00	Germany	TPS-II Expn.
1331	CT ANALYSER	600,000.00	Austria/UK/ Cannada	TPS-II Expn.

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1332	TAN DELTA KIT	8,000,000.00	Austria/UK/ Cannada	TPS-II Expn.
1333	Circuit Breaker Analyser	3,000,000.00	Austria/UK/ Cannada	TPS-II Expn.
1334	3 phase universal Relay test kit	5,000,000.00	Austria/UK/ Cannada	TPS-II Expn.
1335	ELDRO THRUSTOR 201/6	Not known	Germany	TPS-II Expn.
1336	ELDRO THRUSTOR 300/12	Not known	Germany	TPS-II Expn.
1337	Bosch Rexroth -Hagglunds systemsHD Part No.4431 2101-113Electric Motor, 30 KW	Not known	Germany	TPS-II Expn.
1338	Hagglunds systemsHD Part No.4431 1252-130Electric Motor, 132 KW	Not known	Germany	TPS-II Expn.
1339	Hagglunds systems132-6-5 KW, B35 400V/50 Hz132-6-5 KW, B35 400V/50 Hz	Not known	Germany	TPS-II Expn.
1340	RO Membrane	5,300,000.00	Japan	TPS-II Expn.
1341	Cartridge Filter	1,000,000.00	China	TPS-II Expn.
1342	Ion Exchange Resin	80,000,000.00	USA	TPS-II Expn.
1343	Silica Analyser reagent	250,000.00	USA	TPS-II Expn.
1344	Online Silica Analyser	1,000,000.00	USA	TPS-II Expn.
1345	Spectrophotometer	1,000,000.00	USA	TPS-II Expn.
1346	pH meter	200,000.00	USA/ UK/ Singapore	TPS-II Expn.
1347	Conductivity meter	200,000.00	USA/ UK/ Singapore	TPS-II Expn.
1348	Portable Flue gas analyser	500,000.00	UK/Germany/ Italy	TPS-II Expn.
1349	Oxygen & CO2 sensor for flue gas analyser	50,000.00	UK/Germany/ Italy	TPS-II Expn.
1350	Conductivity cell	50,000.00	USA/ UK/ Singapore	TPS-II Expn.
1351	KF reagent	50,000.00	Germany	TPS-II Expn.
1352	pH electrode	30,000.00	USA/ UK/ Singapore	TPS-II Expn.
1353	Turbidity meter	200,000.00	USA/ UK/ China	TPS-II Expn.
1354	RO Feed high pressure pump	1,000,000.00	USA	TPS-II Expn.
1355	Flame Scanner Unit, Spectral Range 190 to 520nm, with plug type and 1.5m silicone cable Model: D-LE-603-UA-P Make: Durag	210,000.00	GERMANY	TPS/BP
1356	Flame Control Unit, 110VAC, 4-20mA O/P with contacts D-UG 660 -115A-420 Make Durag	176,387.00	GERMANY	TPS/BP
1357	LPG Pilot Gas Ignitor ZA1- 150 P/K0K5M Make Durag	1,289,528.00	GERMANY	TPS/BP
1358	Load Cell 60T with thrust piece, 1-c16a2c3/60t Make:HBM Germany	301,884.00	GERMANY	TPS/BP

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1359	Load Cell 200T with thrust piece, 1-c16a2d1/200t Make:HBM Germany	626,760.00	GERMANY	TPS/BP
1360	LOAD CELL DISPLAY INDICATOR CUM TRANSMITTER K-WTX110-A-AC2-TA-ETH-AO-NO/-AA Make:HBM Germany	324,537.00	GERMANY	TPS/BP
1361	JUNCTION BOX 1-VKK1-4A Make:HBM Germany	15,422.00	GERMANY	TPS/BP
1362	JUNCTION BOX 1-VKK2-8A Make:HBM Germany	27,250.00	GERMANY	TPS/BP
1363	ZIRCONIA OXYGEN ANALYSER CONVERTOR, MAKE YOKOGAWA Part No. : ZR402G-T-E-E-A	350,000.00	Japan	TPS/BP
1364	Set sealings UNOR/FINOR7xx - Part Number - 2028497	11,437.00	GERMANY	TPS/BP
1365	Filter Fi 64 (dust flter) 2 microns, for hose i.d.=4mm VitrapOR® Sinterglass - Part Number - 2051029	6,305.00	GERMANY	TPS/BP
1366	Absorption container for analyser upperpart. Part Number - 2051024	12,219.00	GERMANY	TPS/BP
1367	Absorption cartridge w/o filling for cuvette reference side and measuring chamber. Part Number - 2051025	6,549.00	GERMANY	TPS/BP
1368	Set absorption vessel for UNOR and MULTOR with 2 drying vessels, complete 2 screw-in cartridges, compl. Part Number - 2028442	18,670.00	GERMANY	TPS/BP
1369	Hopcalite, bottle with 200 ml UN 3077, class 9. Part Number - 2051027	13,376.00	GERMANY	TPS/BP
1370	Sodium hydroxide 250 g UN 1823, class 8. Part Number - 2051028	25,180.00	GERMANY	TPS/BP
1371	Activated carbon granular 1.5 mm, bottle with 80 gr. Part Number - 2077707	18,772.00	GERMANY	TPS/BP
1372	Synchronous motor 24V/50Hz. Part Number - 6026930	15,738.00	GERMANY	TPS/BP
1373	Absorption cartridge w/o filling for cuvette reference side and measuring chamber. Part Number - 2036567	6,549.00	GERMANY	TPS/BP
1374	set fuses series S7xx. Part Number - 2028493	3,441.00	GERMANY	TPS/BP
1375	Sealing set, for model S715. Part Number - 2037671	19,648.00	GERMANY	TPS/BP
1376	Cable, Pre assembled for analyzer. Part Number - 2037361	9,091.00	GERMANY	TPS/BP
1377	Main Board printed Circuit board loaded with current software version and device data. Part Number 2029695	470,464.00	GERMANY	TPS/BP
1378	Sodium Sensing Electrode, On Line Ross Sodium half cell screw cap: part No.210048 for sodium Analyzer ORION make Model 2111LL	64,400.00	USA	TPS/BP
1379	Sodium Reference Electrode, On Line Ross Ultra reference with side arm : part No.210058 for sodium Analyzer ORION make Model 2111LL	59,360.00	USA	TPS/BP
1380	Ammonium Electrode W screw Cap Connector , Part no. - 100047-WA for Ammonia Analyzer ORION make model 1810	71,400.00	USA	TPS/BP
1381	Ammonium Reference Electrode , Part no. - 100056 for Ammonia Analyzer ORION make model 1810	53,760.00	USA	TPS/BP
1382	Hydrazine Sensing/Iodide Electrode, Screw cap part no.100022 For Hydrazine Analyzer ORION make model 1818	15,000.00	USA	TPS/BP
1383	Hydrazine Reference Electrode, part no.100056 For Hydrazine Analyzer ORION make model 1818	75,880.00	USA	TPS/BP
1384	Acid Reagent for Ammonia, Part no. 181030, for Ammonia Analyzer ORION make model 1810, 2L without tubing	53,460.00	USA	TPS/BP
1385	PH Senser Emerson make	44,800.00	USA	TPS/BP

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1386	DO Senser Emerson make	185,000.00	USA	TPS/BP
1387	Conductivity sensor Emerson make	49,800.00	USA	TPS/BP
1388	Molybdate 3 reagent for silica hach cat no 199503	14,730.10	USA	TPS/BP
1389	Amino acid F dilution solvent for series 5000 silica analyzer	9,065.00	USA	TPS/BP
1390	Citric acid/surfactant solution, F/Hi TMP citric acid	4,236.10	USA	TPS/BP
1391	Solvent, for HI TMP citric acid for 5000 series silica analyzer	3,996.30	USA	TPS/BP
1392	Silica standard solution .5mg/l as sio2 for silica analyzer	4,236.10	USA	TPS/BP
1393	Sodium Analyzer	1,119,680.00	USA	TPS/BP
1394	Nafion dryer make Perma pure (100 Tubes, 24 inch Length, moulded PVDF Fittings, anodized aluminum Shell, Model: PD-100T-24MKA)	195,000.00	USA	TPS/BP
1395	Plug in interface PCB with transceivers and solenoid connectors used in DCEM2100. Code - FGC4N2250556	25,200.00	UK	TPS/BP
1396	Micro board for RCU. CODE - FGC4N2250559	30,400.00	UK	TPS/BP
1397	DCEM2000 DISPLAY INTERFACE BOARD. CODE - FGC4N2250558	16,625.00	UK	TPS/BP
1398	Plug in slave micro board. CODE - FGC4N2250555	7,300.00	UK	TPS/BP
1399	Plug in slave micro board. CODE - FGC4N2250555	66,500.00	UK	TPS/BP
1400	Blower filter. Code - C4N - BLOWERFILTER	3,040.00	UK	TPS/BP
1401	DCEM 2100 Tx Block consisting of detector carrier, mirror holder, reflector glass & silver mirror (small) with detector card and LED Card.	39,700.00	UK	TPS/BP
1402	Digital Temperature Indicator. Make Fuji	10,000.00	JAPAN	TPS/BP
1403	Diaphragm pump, model- N89 KNE, make KNE, type - oil free motor driven diaphragm pump, diaphragm - EPDM, power - supply - 230 VAC 50 HZ , Fluid - Gas , discharge pressure - 0.5 bar, Suction pressure 100 MBAR, max. free flow 9.5 LPM	38,500.00	JAPAN	TPS/BP
1404	Master Micro Board used in DCEM2100 for SMP System	14,500.00	UK	TPS/BP
1405	LCD DISPLAY FOR ZRJ ANALYSER. Details of the analyzer are (1) PR0280000081 FLUE GAS ANALYSER MULTICOMPONENT (SOX/CO) MODEL - ZRJ, MEASURING PRINCIPLE - NDIR MAKE - FUJI ELECTRIC, JAPAN (2)PR0280000081 FLUE GAS ANALYSER (NOX) MODEL - ZRJ, MEASURING PRINCIPLE - NDIR MAKE - FUJI ELECTRIC, JAPAN	64,500.00	JAPAN	TPS/BP
1406	SPM RING BLOWER MODEL 31, 0.55 Kw. CODE IS C4N-BLOWER230VDIST	68,000.00	TAIWAN	TPS/BP
1407	BFP SCOOP MOTOR ACTUATOR ABB MAKE MODEL -RHD250 PART NO V68151	1,283,840.00	SWITZERLAND	TPS/BP
1408	BFP SCOOP CONTROL SUPPLY UNIT ABB MAKE MODEL -EBN853 PART NO V68853	926,300.00	SWITZERLAND	TPS/BP
1409	HP/IP TURBINE STOP VALVE TRIP SOV MAKE BOSCH REXROTH	774,912.00	GERMANY	TPS/BP
1410	HP/IP TURBINE STOP VALVE PILOT SOV MAKE BOSCH REXROTH	63,406.00	GERMANY	TPS/BP
1411	HP/IP TURBINE CONTROL VALVE SERVO MAKE BOSCH REXROTH	865,329.00	GERMANY	TPS/BP
1412	HP/IP STOP VALVE "POSITION FEEDBACK TRANSMITTER" MAKE BALLUF	150,000.00	GERMANY	TPS/BP
1413	HP CONTROL VALVE "POSITION FEEDBACK TRANSMITTER" MAKE BALLUF	150,000.00	GERMANY	TPS/BP

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1414	IP CONTROL VALVE AND STOP VALVE POSITION FEEDBACK TRANSMITTER MAKE BALLUF	150,000.00	GERMANY	TPS/BP
1415	LP BYPASS STOP VALVE PILOT SOV AND TRIP SOV MAKE CCI	500,000.00	GERMANY	TPS/BP
1416	LP BYPASS CONTROL VALVE POSITION FEEDBACK TRANSMITTER MAKE BALLUF	100,000.00	GERMANY	TPS/BP
1417	PRESSURE TRANSMITTER MAKE YOKOGAWA	500,000.00	JAPAN	TPS/BP
1418	LEVEL TRANSMITTER MAKE YOKOGAWA	30,000.00	JAPAN	TPS/BP
1419	DUNHAM BUSH VISION 2020i CONTROLLER WITH DISPLAY	500,000.00	USA	TPS/BP
1420	SIEMENS PLC DIGITAL INPUT MODULE 32CH 24VDC 6ES7 321-1BL00-0AA0	55,000.00	GERMANY	TPS/BP
1421	SIMATIC DP, ET200M-RED-6ES71532AR040XB0, BUNDLE CONSISTING OF: 2XIM153-2HF(6ES7153-2BA10-0XB0), 1X BUS MODULE IM/IM(6ES7195-7HD10-0XA0) MAKE: SIEMENS	70,000.00	GERMANY	TPS/BP
1422	SIEMENS PLC Digital output module SM322, 32 Channel, DO32xDC24V/0.5A, Part Number: 6ES7 322-1BL00-0AA0	70,000.00	GERMANY	TPS/BP
1423	SIEMENS PLC Digital output module SM322, 32 Channel, DO32xDC24V/0.5A, Part Number: 6ES7 322-1BL00-0AA0	44,089.00	GERMANY	TPS/BP
1424	SIEMENS PLC Digital Output modules SM 322, 16 Channel, DO16xDC24V/0.5A, Part Number: 6ES7 322-1BH01-0AA0.	23,177.00	GERMANY	TPS/BP
1425	SIEMENS PLC Digital output module SM 322, 16 Ch, DO16xAC120/230VAC/1A, Part Number: 6ES7 322-1FH00-0AA0.	35,408.00	GERMANY	TPS/BP
1426	SIEMENS PLC, SIMATIC DP, Profibus Connector with PG Interface, Part Number : 6ES7 972-0BB42-0XA0.	5,084.00	GERMANY	TPS/BP
1427	SIEMENS PLC, Front connector with screw contact , 40 Pin, Part Number: 6ES7 392-1AM00-0AA0.	3,793.00	GERMANY	TPS/BP
1428	SIEMENS PLC, front connector for signal modules with screw, 20-PIN, Part Number : 6ES7 392-1AJ00-0AA0.	2,414.00	GERMANY	TPS/BP
1429	SIEMENS PLC, Power supply module SITOP PSU100M 40A, I/P 120/230VAC, O/P 24VDC/40A, Part Number: 6EP1 337-3BA00	53,271.00	GERMANY	TPS/BP
1430	SIEMENS PLC, power supply module SITOP PSU100S 10A, I/P 110/230VAC, 60Hz-O/P 24VDC/10A, Part Number: 6EP1 334-2BA00	21,147.00	GERMANY	TPS/BP
1431	SIEMENS PLC Power supply module SITOP PSU100S 5A, I/P 120/230VAC, O/P 24VDC/5A, Part Number: 6EP1 333-2BA00.	15,168.00	GERMANY	TPS/BP
1432	SIEMENS SIMATIC NET, PB FC STANDARD CABLE GP, 2-Wire, SHIELDED, Profibus cable for PLC communication, Part Number : 6XV1830 - 0EH10.	600,000.00	GERMANY	TPS/BP
1433	DUAL SIEMIC MONITOR VM-5U-921110-000-001-0	275,000.00	JAPAN	TPS/BP
1434	DUAL SIEMIC MONITOR VM-5U-221110-000-001-0	275,000.00	JAPAN	TPS/BP
1435	RELAY MODULE VM-5Y1	75,000.00	JAPAN	TPS/BP
1436	RACK VM-5W1	325,000.00	JAPAN	TPS/BP
1437	LEVEL GAUGE Make Stauff Model SNA-254-B-N HD no. 478 2277-035	Offer is not available	SWEDEN	TPS/BP
1438	GAUGE ISOLATOR Make FT Model FT292-G-T HD no. 478 2277-054	Offer is not available	SWEDEN	TPS/BP

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1439	ANALOG TEMPERATURE SENSOR PT100 Make INOR Model 66RNS1011251213 HD no. 577 7112-003	Offer is not available	SWEDEN	TPS/BP
1440	LEVEL SWITCH Make HEMOMATIK Model HMF DHI-OO O1=200 O2=265 HD no. 478 3233-206	Offer is not available	SWEDEN	TPS/BP
1441	FILTER INDICATOR Make HAGGLUNDS DRIVES Model VD 2.2 LE.0/-30C HD no.478 3233-644	50,000.00	SWEDEN	TPS/BP
1442	SUCTION LINE INDICATOR Make STEUTE Model ES 95 R 10/1S HD no. 478 3233-200	Offer is not available	SWEDEN	TPS/BP
1443	PRESSURE SWITCH Range 5-55 bar Make HYDROPA Model DS-307/SCH/V2/5-55/SL/C5 HD no. 478 2277-759	Offer is not available	SWEDEN	TPS/BP
1444	PRESSURE TRANSMITTER Range 0-400 bar Make HYDAC Model HDA4745-A-400-000,4-20 Ma,bsp 1/4" HD no 5693 4745-006	Offer is not available	SWEDEN	TPS/BP
1445	SOLENOID 24VDC Make denison hydraulics Model 517-00096-0 HD no. 478 2277-729	Offer is not available	SWEDEN	TPS/BP
1446	PRESSURE SWITCH set for 5 bar falling Make Hydropa Model DS-802/M 0.5-15 bar NR:658015 Hd no. 577 8810-012	Offer is not available	SWEDEN	TPS/BP
1447	SOLENOID DIRECTIONAL VALVE	Offer is not available	SWEDEN	TPS/BP
1448	PRESSURE SWITCH Range 5-55 bar Make HYDROPA Model DS-307/SCH/V2/5-55/SL/C5 HD no. 478 2277-759	Offer is not available	SWEDEN	TPS/BP
1449	Main PC control circuit card for Hagglund spider control systems CONTROL CIRC. CARD SPIDER2 SC V4.3	590,659.00	SWEDEN	TPS/BP
1450	Display Card Part No. 376 0064-801 (LCD=Standard)	Offer is not available	SWEDEN	TPS/BP
1451	Power Supply unit Part No 376 0071-801(Max output 250W)	Offer is not available	SWEDEN	TPS/BP
1452	In line fuse holder Littelfuse part no 576 6820-001	Offer is not available	SWEDEN	TPS/BP
1453	ATO Fuse 2A Littelfuse part no 576 6821-002	Offer is not available	SWEDEN	TPS/BP
1454	Slew Bearing for Stacker Cum Reclaimer Drawing No.:Rothe Erde Drwaing No:191.32.3550.991.41.1522	9,290,569.11	GERMANY	TPS/BP
1455	Master Fuel Trip Valve	7,564,500.00	GERMANY	TPS/BP
1456	RKR Make Bare Blower of Type K90-54/R250-HT	1,747,564.00	GERMANY	TPS/BP
1457	Non Driving side liner assembly of dodge sleeve oil bearing RTL 4*7/16 for primary air fan.	636,710.00	USA	TPS/BP
1458	Expansion(Non Drive end side) pillow block assembly of ABB dodge make RTL 4*7/16 sleeve bearing for primary air fan	1,083,750.00	USA	TPS/BP
1459	RKR Make bare blower of Type K35-30/R150-LT.	669,950.00	GERMANY	TPS/BP
1460	Electrostatic hydarulic actuators for high presure stop valves SSV 160-40 & Its spares	1,250,000.00	GERMANY	TPS/BP
1461	Electrostatic hydarulic actuators for high presure control valves STV 125-140 & Its spares	1,250,000.00	GERMANY	TPS/BP
1462	Electrostatic hydarulic actuators for Intertmediate presure control valves STV 280-45 & Its spares	1,250,000.00	GERMANY	TPS/BP
1463	Electrostatic hydarulic actuators for Intertmediate presure stop valves STV 320-45 & Its spares	1,250,000.00	GERMANY	TPS/BP
1464	Hydraulic oil supply unit for turbine governing system. & its spares	2,000,000.00	GERMANY	TPS/BP
1465	Turbine lube oil pump	3,000,000.00	GERMANY	TPS/BP
1466	Turbine Emergency oil pump	3,000,000.00	GERMANY	TPS/BP
1467	Lifting oil pump	2,000,000.00	GERMANY	TPS/BP

Sl. No.	Description of the Item	Estimate Value	Supply from which Country	Division / Unit
1468	Quick closing three way valve for HP Heaters & Its spares	1,816,000.00	GERMANY	TPS/BP
1469	Quick closing three way valve for HP Heaters & Its spares	2,460,000.00	GERMANY	TPS/BP
1470	Group protection valve for HP Heaters& Its spares	136,000.00	GERMANY	TPS/BP
1471	Group protection valve for HP Heaters & Its spares	178,000.00	GERMANY	TPS/BP
1472	BFP Hydrocoupling R16K.1CCW	5,000,000.00	GERMANY	TPS/BP
1473	EBFP diesel engine	1,500,000.00	USA	TPS/BP
1474	Chillers unit	5,000,000.00	MALAYSIA	TPS/BP
	TOTAL	1,367,916,013.12		

ANNEXURE - III Materials to be Imported - OTHER UNITS

SI No.	Description of the ITEM	Estimate Value in Crs	Supply from which country	Divison/ Unit
1	Total oil Gas Analyser	9,300,000.00	Singapore	CARD
2	FLASH POINT APPARATUS	4,000,000.00	GERMANY	CARD
3	BENCH TOP DENSITY/VISCOSITYMETER	8,200,000.00	Astria	CARD
4	ION CHROMOTOGRAPHY	2,900,000.00	USA	CARD
5	Energy Dispersion X-ray Fluorasant	10,700,000.00	Germany,Switzerland	CARD
6	Elemental analyser	9,000,000.00	USA,Germany	CARD
7	Proximate analyser	4,500,000.00	USA,Germany	CARD
8	Ash fusion	5,500,000.00	USA,Germany	CARD
9	Gas Chromotography Mass spectrometer	11,200,000.00	Singapore,Japan,USA	CARD
10	Atomic Absorption Spectrometer	6,800,000.00	Singapore, Germany, USA	CARD
11	Inductively Coupled Plasma Optical Emission Spectrometer	9,500,000.00	USA,Netherland	CARD
12	Spares for Thermo Gravimetric Analyser	350,000.00	Singapore	CARD
13	Spares for Continuous Ambient Air Quality Monitoring	5,300,000.00	France	CARD
14	Bomb calorimeter	5,500,000.00	Germany	CARD
15	Spares for Optical Emission Spectrometer	100,000.00	Germany	CARD
16	Spares for Bomb Calorimeter	170,000.00	Germany	CARD
17	Spares for Portable Hardness tester	50,000.00	JAPAN	CARD
	Total Value	93,070,000.00		