



OFFICE OF THE Addl. CHIEF ENGINEER (P&W)
SHREE SINGAJI THERMAL POWER PROJECT, M.P.P.G.C.L.
An ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 Certified Station)
Dongalia , District KHANDWA- 450112 (M.P.)
Email ID- sepnw.sstpp1@gmail.com

No. 515-1700/SSTPP/MPPGCL/P&W/PT-3731/ T-2026_MPPGC_504950/1054 Dongalia,Date: 08.05.2026

TENDER SPECIFICATION / SCHEDULE

SUBJECT: - “Procurement of spares for Kirloskar make IAC installed at AHP PH-1 and CHP-II,SSTPP,MPPGCL,Dongalia.”

Schedule for AHP, PH-1, SSTPP, MPPGCL, Dongalia

SI No.	Enq. Sr. No.	Description of Goods	Part No.	Units	Qty.
	A	CRANKCASE			
1	a.1	CRANKCASE BARE HA-2, LUB AND N/L / /	35.170.410.00.	Nos	1
2	a.2	STUD M20X2.5X146/50	22.229.960.00.	Nos	16
3	a.3	NUT LOCK HEX M20X2.5 / EN-3A / (9990674050)	22.058.300.00.	Nos	16
4	a.4	NUT HEX PLAIN M20X2.5 / /	22.072.340.00.	Nos	16
5	a.5	BEARING BUSH (MAIN);2/4/6 CYLINDER / WHITE METAL /	35.110.120.00.	Nos	8
6	a.6	WASHER THRUST 135DX111DX8.6 (PB4C) CRANKSHAFT / /	23.632.700.00.	Nos	6
7	a.7	PIN DOWEL 10DX80 / EN-43 /	23.311.090.00.	Nos	3
8	a.8	BEARING BIG END F/CONN ROD / COPPER ;LEAD /	35.110.100.00.	Nos	6
9	a.9	GASKET 415X400X0.3 FOR SIDE COVER AND CRANKCASE / PAPER / HA	24.464.150.00.	Nos	3
10	a.10	GASKET 435X340X0.3 BETWEEN CRANKCASE AND DISTANCE PIECE F/2-4-6 CYLINDER	24.464.350.00.	Nos	6
11	a.11	GASKET 696X621X0.5 BETWEEN CRANKCAS E AND TOP COVER FOR 2 CYLINDER / PAPER	24.466.960.00.	Nos	6
12	a.12	GASKET INSPECTION COVER; 275 DX195 DX2 / KL /	24.442.760.00.	Nos	32
13	a.13	BOLT HEX HEAD M10X1.5X20/20 / GRADE 8.8,IS:1367 /	21.501.940.00	Nos	50
14	a.14	STUD M16X2X40/35 / / (9990370350)	22.229.260.00.	Nos	50
15	a.15	RING O 30.8X3.6 DEFLECTOR N/L / S ILICONE RUBBER / HA	24.540.301.00.	Nos	8
16	a.16	ASSEMBLY SET OF SCRAPER	8035.25.27.00.	Nos	8

		RING (BRONZE)			
17	a.17	GASKET 110X66X0.5 FOR COVER SCRAPPE R RING / PAPER /	24.461.100.00.	Nos	8
18	a.18	GUDGEON PIN FOR PISTON;2/4/6 CYLIND ER / AISI- 3115 / HA	35.322.080.00.	Nos	8
19	a.19	BUSH FOR SMALL END 50DX40DX54.5 FOR CONNECTING ROD / CAIRO BRONZE / HA	35.138.080.00.	Nos	8
20	a.20	CIRCLIP INTERNAL 40x1.75N / IS:3075 /	19.074.400.00.	Nos	16
21	a.21	ROD CONNECTING; BODY AND CAP / 080M40 BS 970:P / 2- 4-6 CYLINDER	35.364.040.00.	Nos	1
22	a.22	CRANKSHAFT 2 CYLINDER / SGI / HA	35.172.040.00.	Nos	1
23	a.23	GUIDE CROSSHEAD / / HA 2-4-6 CYLIN DER	35.262.041.00.	Nos	1
24	a.24	CROSS HEAD 2/4/6 CYLINDER / (BS 278 9) SNG / HA	35.176.040.00.	Nos	1
25	a.25	ASSLY OF STUD TAPER MALE COUP, R1/4", LIGHT	998.16.127.50.	Nos	20
26	a.26	ASSLY OF STUD TAPER MALE COUP, R1/4", HEAVY	998.16.123.50.	Nos	10
27	a.27	GASKET 68X50X1;BETWEEN SECONDARY OIL FILTER AND SUPPORT(PUROLATOR)	24.460.651.00.	Nos	4
28	a.28	GASKET 96X40X2; OIL COLLECTOR PIPE / KL /	24.440.961.00.	Nos	8
29	a.29	OIL PIPING ITEMS KIT ('HA2' SERIES COMPRESSORS)	8035.28.42.00.	Nos	2
30	a.30	PLATE TOP FOR CRANKCASE / CI / HA	35.338.160.00.	Nos	1
	B	CYLINDER / PISTON 310 DIA			
31	b.1	STUD M16X2X65/35 / EN-3 / (9990371150)	22.229.420.00.	Nos	48
32	b.2	NUT HEX PLAIN M16X2 /	22.072.270.00.	Nos	44
33	b.3	COVER FRONT END 310 DIA (BODY PORT ION) / CI /	35.165.141.00.	Nos	1
34	b.4	STUD M10X1.5X32/25 / / (9990363550)	22.228.400.00.	Nos	40
35	b.5	RING SUPPORT (CARRIER BUSH) FOR PIS TON N/L / EN-58 /	35.360.800.00.	Nos	2
36	b.6	BOX STUFFING N/L,2/4 CYLINDER / CI / HA	35.128.300.00.	Nos	2
37	b.7	PLATE INTERMEDIATE FOR 310D CYLINDE R N/L /	35.336.380.00.	Nos	3
38	b.8	RING O 30.8X3.6 DEFLECTOR N/L	24.540.301.00.	Nos	8

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		/ S I L I C O N E R U B B E R / H A			
39	b.9	CYLINDER 310 DIA LP N/L / CI;BS-145 2 GR-2 / HA 2/4 CYLINDER	35.180.401.00.	Nos	2
40	b.10	S/A PISTON 310D, NON LUB / AL /	35.026.320.00.	Nos	1
41	b.11	RING BEARING PISTON 310D N/L / TEFL ON /	35.324.480.00.	Nos	8
42	b.12	RING SEALING PISTON 310D N/L / TEFL ON /	35.324.520.00.	Nos	8
43	b.13	NUT BLOCKING M30X3.5FOR PISTON ROD N/L / EN-56 / HA	22.002.340.00.	Nos	4
44	b.14	ROD PISTON 54DX828,N/L / EN-8B OR A ISI-C1034 / HA-2-4- 6 CYLINDER	35.328.081.00.	Nos	2
45	b.15	NUT HEX M30X3.5 FOR PISTON ROD LUB AND N/L / EN-3 / HA	22.072.630.00.	Nos	4
46	b.16	GASKET 245X180X0.3 BET DISTANCE PIECE AND INT. PLATE; 2-4-6 CYLINDER	24.462.450.00.	Nos	4
47	b.17	GASKET 470X406X2; FRONT END COVER 3 10 D / KL /	24.444.700.00.	Nos	8
48	b.18	GASKET 112X2(OVEL) FOR SUCTION FILT ER / KL / HA	24.441.110.00.	Nos	8
49	b.19	GASKET INSPECTION COVER; 275 DX195 DX2 / KL /	24.442.760.00.	Nos	8
50	b.20	GASKET 140X78X2 FOR SUCTION SIDE OF HP CYLINDER F/2-4-6 CYLINDER / KL	24.441.400.00.	Nos	8
51	b.21	PACKING GLAND RING (P.T.F.E), M49X3 2X8	49.231.010.00.	Nos	50
52	b.22	RING RETAINING FOR 2-4 CYLINDER N/L / /	35.360.740.00.	Nos	8
53	b.23	STUD M10X1.5X50/40 / /	22.228.460.00.	Nos	12
54	b.24	NUT HEX PLAIN M10X1.5 / /	22.072.160.00.	Nos	32
	C	CYLINDER / PISTON 185 DIA			
55	c.1	COVER FRONT END 185 DIA (BODY PORT ION) / CI	35.165.060.00.	Nos	1
56	c.2	GASKET 140X78X2 FOR SUCTION SIDE OF HP CYLINDER F/2-4-6 CYLINDER / KL	24.441.400.00.	Nos	8
57	c.3	PLATE INTERMEDIATE 185D CYLINDER(49 X108X28) NON LUB / CI / HA	35.336.150.00.	Nos	2
58	c.4	CYLINDER 185 DIA N/L / CI;BS-1452 G R-2 / HA 2/4/6 CYLINDER	35.180.201.00.	Nos	2
59	c.5	S/A PISTON 185D NON-LUB HA	35.026.890.00.	Nos	1
60	c.6	GASKET FRONT 305 DIA X 244 DIA X 2 AND BACK 180 DIA,185DIA CYLINDER / KL	24.443.050.00.	Nos	8

61	c.7	GASKET INSPECTION COVER; 275 DX195 DX2 / KL /	24.442.760.00.	Nos	8
62	c.8	NUT LOCK M10X1.5 / EN-3A / (9990663350)	22.058.150.00.	Nos	16
63	c.9	RING SEALING PISTON 185D N/L / TEFL ON /	35.324.240.00.	Nos	12
64	c.10	RING BEARING PISTON 185D N/L / TEFL ON /	35.324.200.00.	Nos	8
65	c.11	NUT HEX M30X3.5 FOR PISTON ROD LUB AND N/L / EN-3 / HA	22.072.630.00.	Nos	4
66	c.12	NUT HEX M30X3.5 FOR PISTON ROD LUB AND N/L / EN-3 / HA	22.072.630.00.	Nos	4
67	c.13	GASKET FRONT 305 DIA X 244 DIA X 2 AND BACK 180 DIA,185DIA CYLINDER / KL	24.443.050.00.	Nos	8
68	c.14	STUD M16X2X100/47 / EN-3 /	22.229.540.00.	Nos	16
69	c.15	GASKET INSPECTION COVER; 224DX120DX 2 FOR 280D; 310D CYLINDER / KL /	24.442.240.00.	Nos	9
	D	LP AND HP SUCTION VALVE ASSLY			
70	d.1	VALVE WITH UNLOADING TABLE 105CR11 UPTO PRESS:3KG/CM2G\	49.053.110.00.	Nos	18
71	d.2	VALVE ASSEMBLY WITH UNLOADING CR-105-13	35.051.250.00.	Nos	6
72	d.3	S/A VALVE SUCTION 105 CR-11 / / KG NT	49.053.090.69.	Nos	18
73	d.4	VALVE S/A SUCTION CR-105 HP (CR-13) N/L 2/4 CYL / /	35.050.360.69.	Nos	6
74	d.5	PLATE FOR R105 SUCTION AND DELIVERY V ALVE / EN- 56D / KGNT/HAT	49.239.060.00.	Nos	48
75	d.6	PLATE SPRING FOR R105 SUCTION VALVE / EN-58 /	49.239.070.00.	Nos	80
76	d.7	PLATE CUSHION FOR R105 SUCTION AND DE LIVERY VALVE / EN-58 / KGNT/HAT	49.239.050.00.	Nos	48
77	d.8	RING 118.6X108 FOR DELIVERY VALVE / RUBBER / HA	24.541.190.00.	Nos	48
78	d.9	RING 118X111X2 FOR VALVE / CU / HA	24.431.180.00.	Nos	48
79	d.10	RING O 29 IDX3.5D / SILICON RUBBER / HA	24.540.362.00.	Nos	24
80	d.11	PIN SPLIT 3/32"X1-1/4"/2.38X31.75 /	23.340.140.00.	Nos	50
81	d.12	GUIDE FOR 105 CR VALVE / CI /	49.150.020.00.	Nos	24
82	d.13	BOLT HEX HEAD M5X0.8X10/10 / GRADE 8.8;IS-13 /	21.500.210.00.	Nos	24
83	d.14	WASHER 20X6.5X1.2 / EN-2 /	23.600.610.00.	Nos	25

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84	d.15	SPRING FOR NEW DECOMPRESSOR / EN-42 B/43 (CADM /	49.268.070.00.	Nos	20
85	d.16	S/A TABLE REGULATING FOR CR- 105VALV E / CD-PLTD /	49.051.020.00.	Nos	20
86	d.17	PISTON DECOMPRESSOR 35D / EN-56 /	49.237.020.00.	Nos	20
87	d.18	CYLINDER DECOMPRESSOR 35 DIA / SS /	49.099.030.00.	Nos	20
88	d.19	GRILL PROTECTION FOR SUCTION VALVE / BRASS / KGNT	49.141.010.00.	Nos	32
89	d.20	COVER CR105 SUCTION VALVE FOR 2/4/6 CYLINDER / MS; CADMIUM PLA /	35.164.100.00.	Nos	12
90	d.21	BELL FOR 105CR SUCTION VALVE;2/4/6 CYLINDER / MS;IS- 1079 CD P / HA	35.112.100.00.	Nos	12
	E	LP AND HP DELIVERY VALVE ASSY			
91	e.1	S/A VALVE DELIVERY 105 CR-12 N/L / /	49.053.100.69.	Nos	18
92	e.2	VALVE S/A CR-105 DELIVERY HP(CR-14) N/L 2/4 CYL / /	35.050.120.69.	Nos	6
93	e.3	PLATE FOR R105 SUCTION AND DELIVERY V ALVE / EN- 56D / KGNT/HAT	49.239.060.00.	Nos	48
94	e.4	PLATE SPRING DELIVERY / EN-58 /	49.239.040.00.	Nos	100
95	e.5	COVER DELIVERY VALVE / MS;CADMIUM PLAT /	35.164.040.00.	Nos	12
96	e.6	BELL F/ R105 DELIVERY VALVE;2/4/6 CYLINDER / MS;IS- 1079 CD P / HA	35.112.040.00.	Nos	12
97	e.7	NUT HEX PLAIN M12X1.5 / /	22.072.200.00.	Nos	100
98	e.8	STUD M12X1.5X27/18 / /	22.228.560.00.	Nos	100
	F	OTHER SPARES			
99	f.1	TUBE BUNDLE FOR INTERCOOLER 94.108.155.00.	94.121.935.00.	Nos	2
100	f.2	TUBE BUNDLE FOR AFTERCOOLER 94.108.156.00.	94.121.936.00.	Nos	2
101	f.3	GASKET FOR INTER COOLER- 2HA2TERT -94.108.155.00	94.113.221.00.	Nos	8
102	f.4	GASKET FOR AFTER COOLER - 2HA2TERTT- 94.108.156.00	94.113.223.00.	Nos	8
103	f.5	O-RING FOR AFTER COOLER - 2HA2ERT - 94.108.156.00	94.113.222.00.	Nos	8
104	f.6	O-RING FOR INTER COOLER- 2HA2TERT- 94.108.155.00	94.113.220.00.	Nos	8
105	f.7	S/A FILTER SECONDARY OIL;2/4/6 CYLI NDER / / HA	35.016.160.00.	Nos	4

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106	f.8	ELEMENT SECONDARY FILTER (NEW DESIGN)	35.190.360.00.	Nos	4
107	f.9	ELEMENT WITH FILTER SUB ASSLY 16"X16"X4" FOR N/L / / HA	35.190.280.00.	Nos	4
108	f.10	S/A PUMP OIL;2/4/6 CYLINDER / / HA	35.028.040.00.	Nos	2
109	f.11	T FITTING CONNECTOR WITH NUT & FERRUL FOR UNLOADER	21.000.000.00.	SET	2
110	f.12	GASKET 432 SQ.X5 FOR PANEL FILTER 16" / RUBBER / HA	24.474.320.00.	Nos	4
111	f.13	S/A TRAP MOISTURE (SEPARATOR) / / KG/CREPELLE	37.038.040.00.	Nos	2
112	f.14	COCK DRAIN DOUBLE END 3/8"BSP LEVER TYPE W/O NUTS NIPPLE / /	20.130.090.00.	Nos	2
113	f.15	PIECE FELT FOR MOISTURE TRAP / / ALL COMPRESSOR	37.266.080.00.	Nos	4
114	f.16	ELEMENT FOR PRIMARY OIL FILTER	35.190.330.00.	Nos	4
115	f.17	GLASS SIGHT FOR WATER FLOW INDICATOR 1-1/2"BSP (10X115) / /	35.256.180.00.	Nos	4
116	f.18	GLASS SIGHT FOR WATER FLOW INDICATOR 1/2"BSP (10X85D) / /	35.256.160.00.	Nos	4
117	f.19	24V DC 3/2 WAY SOLENOID VALVE	94.107.210.00.	Nos	8
118	f.20	PRESSURE SAFETY VALVE, FIRST STAGE DISCHARGE, 40 NB, 150#, B16.5, SET PRESSURE 3 KG/CM ² G	94.108.157.00.	Nos	1
119	f.21	PRESSURE SAFETY VALVE, SECOND STAGE DISCHARGE, 40 NB, 150#, B16.5, SET PRESSURE 9 KG/CM ² G (SP/FB/1045)	94.108.158.00.	Nos	1
120	f.22	RAIL SLIDE FOR 120HP MOTOR / CI / HA2/KG-3	35.352.040.00.	Nos	1

Schedule for CHP, PH-2, SSTPP, MPPGCL, Dongalia.

Sr. No.	Item Description	Part No.	Required Quantity (Nos.)
A.Model No KES 90-7.5			
1	AIR OIL SEPARATOR ELEMENT 20 m3/min	270.01.442.50	2
2	HOSE ASSEMBLY 1-1/4" x 1000 L , ST X 90	270.00.581.50	1
3	PRESSURE TRANSMITTER, 4 TO 20 mA, 8.2 TO 34 V DC, 0 - 16 BAR.	211.09.286.50	2

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4	Combi Cooler	270.03.708.50	1
5	Servo Cylinder	270.01.483.50	2
6	"K-SMART PREMIUM SCREW COMPRESS OIL 20 LTR PACK"	270.02.478.50	15
7	Solenoid Valve	211.11.016.50	2
8	Controller for KES 90-7.5	211.12.221.50 or 211.11.273.50	2
9	Analogue Module, 4 Ch. Universal Analog Voltage/Current/PT100	61.805.002.00	2
10	Communication Port, 1 CH.RS422 serial	61.805.004.00	2
11	Hose Assembly, 1-1/4" X L (ST90),	270.10.030.50	1
12	AIR FILTER ASEMBLY	270.00.551.50	2
13	SCAVENGE PIPE	270.00.575.50	1
14	TEMPERATURE SENSOR (PT-100)	211.09.291.50	2
15	MPVL 65	270.01.649.50	1
16	OIL FILTER ELEMENT(150 LPM)	270.01.442.50	8
17	Air Filter Element	270.01.184.50	8
18	KIT OF GASKET FOR KES 90	270.01.444.50	2
19	HOSE ASSEMBLY 1/4" x 1000 L	270.00.582.50	1
B.Model No KES 18-7.5			
1	GASKET (FOR AIR OIL SEPERATOR)	271.01.145.50	8
2	GASKET AIR END DELIVERY	271.01.265.50	4
3	GASKET (FOR MPVL 32)	271.00.275.50	4
4	O' RING ID 36 x 3.55 DIA	271.01.299.50	4
5	K Flush Oil (5 ltr pack)	270.02.481.50	4
6	Controller for KES 18-7.5	211.12.221.50 or 211.11.273.50	2
7	Analogue Module, 4 Ch. Universal Analog Voltage/Current/PT100	61.805.002.00	2
8	Communication Port, 1 CH.RS422 serial	61.805.004.00	2
9	Air-oil Separator ELEMENTS, XXX CFM AT 7 BAR	271.00.599.50	2
10	THERMOSTATIC VALVE ASSEMBLY, ½' BSP	271.02.037.50	2

Proof of receipt of all ordered material from OEM's factory/warehouse shall be submitted at the time of delivery of material.

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(Er. M Kumar)
Superintending Engineer(Purchase)
SSTPP, MPPGCL, Dongalia