

**SCHEDULE OF RATES (SOR) - PRICE BID FOR ANNUAL RATE CONTRACT (ARC) FOR MECHANICAL MAINTENANCE JOBS  
TENDER NO. ISPRL/VSP/PR-08/17-18/MECH-ARC/ T5 dated 24.10.2017**

Sr.No	Work	Estimated Quantity	UOM	Unit rate, ₹	Total Cost, ₹
		(a)		(b)	(c) = (a) x (b)
1	Earth Strip Laying	80	Meters		
2	Cleaning of Strainer up to 6"	50	each		
3	Cleaning of Strainer 8" to 12"	15	each		
4	Cleaning of Strainer 13"- 24"	4	Each		
5	Dismantling of Pipe line / Structure	5	Metric ton		
6	Structural works	1000	kilograms		
7	Emergency Shower maintenance	8	Each		
8	Gasket replacement up to 12"	20	Each		
9	Gasket replacement 12" to 16"	20	Each		
10	Gasket replacement 18" to 24"	10	Each		
11	Pump Alignment (up to 25 HP)	20	Each		
12	Pump Alignment (25 HP- 100 HP)	15	Each		
13	Mechanical seal replacement up to 50 HP	3	Each		
14	Mechanical seal replacement 50 to 100 HP	2	Each		
15	Gland packing 1" to 6"	25	Each		
16	Gland packing 8" to 12"	9	Each		
17	Bearing change in board (1 - 24 HP)	25	Each		
18	Bearing change in board (25-100 HP)	9	Each		
19	Bearing change out board (1 - 24 HP)	25	Each		
20	Bearing change out board (25-100 HP)	9	Each		
21	Roofing with galvalume sheets	50	square meter		
22	MS gratings	400	kilo gram		
23	Flange joints SORF to blind F up to 12"	5	Each		
24	Flange joints SORF to blind F 14" to 26"	10	Each		
25	Flange joints SORF to blind F 28" to 42"	5	Each		
26	Flange joints SORF to SORF FL up to 12"	5	Each		

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27	Flange joints SORF to SORF FL 14" to 26"	10	Each		
28	Flange joints SORF to SORF FL 28" to 42"	5	Each		
29	Fixing of valves 3" to 8"	5	Each		
30	Fixing of valves 10" to 16"	6	Each		
31	Fixing of valves 18" to 24"	5	Each		
32	Servicing of valve, 2" – 8"	20	Each		
33	Servicing of valve, 10" – 16"	5	each		
34	Servicing of valve, 18" – 24"	5	each		
35	Replacement of valve 3" to 6"	10	each		
36	Replacement of valve 8" to 12"	6	Each		
37	Replacement of valve 14" to 24"	6	Each		
38	Renting Hydra	100	Hour		
39	Renting JCB	50	Hour		
40	Scaffolding	1000	Square		
41	Renting Tractor	50	Hour		
42	Overhauling of injection pump gear box up to 5 HP	4	Each		
43	Overhauling of injection pump gear box above 5 HP	4	Each		
44	overhauling of injection pump liquid end up to 5 HP	4	Each		
45	overhauling of injection pump liquid end above 5 HP	5	Each		
46	Overhauling of BPO pump up to 50 HP	4	Each		
47	Overhauling of BPO pump from 50HP to 100 HP	3	Each		
48	Overhauling of BPO pump above 100 HP	2	Each		
49	Overhauling of BPO pump up to 50 HP	2	Each		
50	Overhauling of BPO pump from 50HP to 100 HP	2	Each		
51	Overhauling of BPO pump , Range from 50HP to 100 HP	1	Each		
52	Overhauling of BPO pump up to 50 HP	6	Each		
53	Overhauling of BPO pump from 50HP to 100 HP	3	Each		

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		(a)		(b)	(c) = (a) x (b)
54	Overhauling of BPO pump above 100 HP	1	Each		
55	Overhauling of BPO pump up to 50 HP	5	Each		
56	Overhauling of BPO pump from 50HP to 100 HP	3	Each		
57	Overhauling of BPO pump above 100 HP	1	Each		
58	Balancing of Impeller/ Fan & Rotor balancing,	5	Each		
59	Balancing of Impeller/ Fan & Rotor balancing,	2	Each		
60	Freeing up of Suction or Discharge vane assembly for FD	2	Each		
61	Pressure ventilation system/ air handling unit Duct filters cleaning	80	Each		
62	Complete Overhauling FD / ID Fan,	2	Each		
63	Overhauling of Power cylinder	3	Each		
64	Complete Overhauling of Tank Mixer Gearbox	1	Each		
65	Complete Overhauling of Screw Pumps,	3	Each		
66	Complete o/h of twin lobe blower,	2	Each		
67	Overhauling of agitator	3	Each		
68	Removal or installation of bore well pump:	4	Each		
69	V-Belts Replacement of Rotary Equipment:	5	Each		
70	Blinding and De-blinding of flange per inch Diameter:	50	inch dia		
71	Providing Inspection services	200	man day		
72	Additional mobilization charges towards call out / un planned jobs per one crew member (FMH) during 08:00pm to 05: 00 am	50	man day		
73	Supply of Helper	1560	man day		
74	Supply of Swagelok fabricator	30	man day		
75	Supply of Plumber	30	man day		
76	compressor suction and discharge valve replacement	10	Each		

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		(a)		(b)	( c ) = (a) x (b)
77	compressor suction and discharge valve reconditioning	10	Each		
78	Motor/pump broken bolt replacement	10	Each		
79	motor base frame holes enlargement	10	Each		
80	Batch for attending emergency and misc. jobs at Sundays and holidays	5	Each		
81	over time charges for FMH for	50	hour		
82	Over time charges for helper	50	hour		
83	Butt joint- cs non x ray quality	100	Inch Dia		
84	RF pad CS weld joint using E-6	50	inch dia		
85	Corrosion Pad	50	inch dia		
86	Fillet Joint-CS using E-6013 W	100	inch Dia		
87	Butt joint- cs x ray quality	100	Inch Meter		
88	Pipe Coat wrapping coat pipe line	50	Sq.mtr		
89	Leak Clamp Fabrication	200	inch dia		
90	Leak clamp installation	200	inch dia		
91	Hydro test of loops up to 500 mtr	500	inch mtr		
92	Hydro test of loop beyond to 500 mtr	500	inch mtr		
93	Fabrication of flanges on pipe line	100	Inch dia		
94	Repair / free up of valve	500	Inch Dia		
95	Blinding ( including fabrication)	200	inch Dia		
96	De- blinding	200	Inch dia		
97	Gasket Replacement	200	Inch dia		
98	Arresting of flange leaks	250	Inch dia		
99	Fixing of first aid fire hose reel	50	each		
100	Add pack/valve gland leak pull	200	inch dia		
101	threaded fittings each joint	200	inch dia		
102	un plugging Lines	100	inch meter		

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		(a)		(b)	(c) = (a) x (b)
103	Supply of sand bags	100	25 kg		
104	Civil work excavation	50	cu.mtr		
105	filling with available excavate	50	cu.mtr		
106	supply and filling sand	50	cu.mtr		
107	Demolition of PCC work	30	cu.mtr		
108	Demolition of RCC work	30	cu.mtr		
109	Laying PCC 1:1.5:3	20	cu.mtr		
110	Laying RCC	20	cu.mtr		
111	Dye penetration test	200	inch dia		
112	Stress relieving	50	run ft.		
113	supply of 10 HP de watering pump	100	hour		
114	supply of 5 HP dewatering pump	100	hour		
115	supply of reinforcement steel	500	kg		
116	supply of diesel welding machine	100	hour		
117	Supply and application of metal primer	100	sq.mtr		
118	Supply and application of plastic emulsion paint	100	sq.mtr		
	Sub - Total (A), ₹				
	Taxes if any (B), ₹				
<b>TOTAL (Rs.) (in figs including Tax) (A + B)</b>					
<b>TOTAL (Rs.) (in words including Tax) :</b>					

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Note :

1. All SOR item needs to be quoted by vendor.
2. Rates should be quoted including all taxes & duties including GST.
3. Quantities shown in the SOR is tentative which may increase or decrease.
4. For details on Scope of work under each head, please refer Annexure - A of SCC