



MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,

Name of Office: - Superintending Engineer, EHV O&M Circle, Karad.

Office Address: - Administrative Building, 1st Floor, Vijaynagar, Karad – 415 114, Tal. Karad,
Dist. Satara.

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(CIN No. U40109MH2005SGC153646)

Ref: SE/EHV O&M/C/KRD/T/No.361

DATE: - 15 MAR 2023

E-ENQUIRY

Sub: - Enquiry for Bi-annual maintenance contract for DM Water Plant at Hot Line Unit, Ogalewadi under EHV O&M Circle, Karad

Dear Sirs,

Sealed and super scribed quotations are invited on following terms & conditions by the undersigned for the above mentioned works as per Schedule - 'A' attached herewith so as to enable to reach in this office on or **before 23/03/2023 upto 16.00 Hrs.**

TERMS & CONDITIONS: -

1. The supply is to be completed within 30 days from the date of receipt of supply order failing which you shall be liable for penalty at the rate of 1% of the value of order, per delayed week or such smaller amount as the undersigned may decide, subject to maximum 5% of total cost of order. Application for extension in time limit will have to be made in advance.
2. The supply should be carried out as directed by the authorized representative of the office to the full satisfaction. The work is to be carried under this office only.
3. Quantities mentioned in Schedule - 'A' is approximate and is liable for variations. However, payment shall be made as per actual quantity executed and measured as per MSETCL's rules.
4. **Following documents should be submitted with quotation**
 1. GST registration proof, 2. Registration of firm under Bombay shop Act & Establishment Act.
 3. Pan Card. 4. The agency should submit the experience certificate of installation & commissioning / maintenance of DM water plant, certificate regarding the same should be attached with quotation.
5. Quotations should be duly filled in all respect and signed, failing which it will be liable for rejection.
6. In case of any dispute, decision of the undersigned shall be final and binding on the contractor.
7. Taxes should be quoted distinctly, if any.
8. First & final bill should be submitted to this office after satisfactory completion of the supply, for arranging payment.
9. Other contractual terms and conditions of MSETCL shall be applicable to this contract also.

10. Please mention your PAN No., GST Registration No. along with quotation.
11. Right to reject any or all quotations without assigning any reasons thereof are reserved by the undersigned.
12. The supply should be carried out as per enclosed Schedule - 'A'.
13. You should pay security deposit equivalent to 5 % of the value of the order. S.D. should be paid this office within 7 days from issue of work order. Security Deposit is payable by (a) Cash (b) D.D. (c) Bank Guarantee from a nationalized / scheduled Bank. The S.D. will be refunded after satisfactory completion of the work / guarantee period.
14. Any dispute or differences arising under out of or in connection with this contract shall be in the jurisdiction of District Court, Karad.

Thanking you,

Yours faithfully,

Sd/-
Superintending Engineer,
EHV O&M Circle, Karad.

Encl: - Schedule - 'A'

Copy to: -

Manager (F&A), EHV O&M Circle, Karad.

M/F (T) / SF (Dy.EE) / NOTICE BOARD

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.
EHV O&M CIRCLE, KARAD.**

SCHDULE 'A'

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
Material Charges:					
1	Raw Water Pump	3 ph, 2Hp, head 26Mtr, 5mtr ³ /Hr, 2900RPM	1	No.	
2	Sand Filter	1500x600mm (h/d),5mm shell plate thick,MS,5mtr ³ /Hr	1	No.	
3	Carbon Filter	1500x600mm (h/d)5mm shell thickness, supported media depth 500mm,carbon media depth 750mm,5mtr ³ /Hr,MS	1	No.	
4	Cartage Filter housing	4.5"x 20"	1	No.	
5	Cartage Filter (PP spun)	4.5"x 20",5mtr ³ /Hr,0-7kG Cm ²	1	No.	
6	Anticipant pump	4lph @ 5.5Kg/cm ²	1	No.	
7	Acid Dosing Pump	4lph @ 5.5Kg/cm ²	1	No.	
8	High Pressure pump	10Hp,18 stage 3ph,10Meter ³ /Hr, 150mtr head,SS-304,2900RPM,	1	No.	
9	RO Membrane	Chemical/Koch/Hydrontic,Model-BW30-400IP model, candles 4Nos	1	No.	
10	RO Membrane housing	8"x5M long end port UKL make	1	No.	
11	DM Feed Pump	3Hp, EDH 10-15,3mtr ³ /Hr.,35mtr head,SS casting,2900RPM	1	No.	
12	Cation Unit	1250/400mm (h/d),3mtr ³ /Hr.	1	No.	
13	Cation media	150Ltr.Material-MSRL,50mtr ³	1	No.	
14	Anion Unit	1250/400mm (h/d),3mtr ³ /Hr.	1	No.	
15	Anion Media	150Ltr.Material-MSRL,50mtr ³	1	No.	
16	RO Controller	RO matic aster make	1	No.	
17	Pressure gauges	0-20Kgs	1	No.	
18	RO Pressure switch(low)	0-7Kgs,Make-Pune Treatrol/Equavalant,0-5KgCm ²	1	No.	
19	RO feed Valve	1.5" Ball valve	1	No.	
20	Multiport Valve for DM plant filters	40nb(normal Bore) initiative make	1	No.	
21	Multiport Valve for RO plant filters	40nb(normal Bore) initiative make	1	No.	
22	RO Permeated flow meter	Model No.DSYF-PG-14(M) online	1	No.	
23	Reject flow meter tube	5000L	1	No.	
24	RO Reject pipe	SS 304 3mtr length with accessories	1	No.	
25	Nut bolts	12mmx2.5"	1	No.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
26	Dump SV(solenoid) Valve	1.5"	1	No.	
27	Flushing SV(solenoid) Valve	1"	1	No.	
28	ORP Meter	0-100 micro simens	1	No.	
29	Conductivity/TDS Meter	CI550	1	No.	
30	RO reject valve(Gate Valve)	1"	1	No.	
31	Metal Valve	0.5" Ball Valve	1	No.	
32	UPVC pipe 2"	2"	1	Mtr.	
33	UPVC pipe 1 1/2"	1.5"	1	Mtr.	
34	UPVC pipe 1"	1"	1	Mtr.	
35	UPVC pipe 1/2"	0.5"	1	Mtr.	
36	UPVC Elbow	2"	1	No.	
37	UPVC Union	2"	1	No.	
38	UPVC Tee	2"	1	No.	
39	UPVC FTA(female Thread adaptor)	2"	1	No.	
40	UPVC MTA(male Thread adaptor)	2"	1	No.	
41	UPVC Ball Valve	2"	1	No.	
42	UPVC Socket	2"	1	No.	
43	UPVC Elbow	1.5"	1	No.	
44	UPVC Union	1.5"	1	No.	
45	UPVC Tee	1.5"	1	No.	
46	UPVC FTA (female Thread adaptor)	1.5"	1	No.	
47	UPVC MTA (male Thread adaptor)	1.5"	1	No.	
48	UPVC Ball Valve	1.5"	1	No.	
49	UPVC Socket	1.5"	1	No.	
50	UPVC Flanges	1.5"	1	No.	
51	UPVC Elbow	1"	1	No.	
52	UPVC Union	1"	1	No.	
53	UPVC Tee	1"	1	No.	
54	UPVC FTA (female Thread adaptor)	1"	1	No.	
55	UPVC MTA(male Thread adaptor)	1"	1	No.	
56	UPVC Ball Valve	1"	1	No.	
57	UPVC Socket	1"	1	No.	
58	UPVC Elbow	0.5"	1	No.	
59	UPVC Union	0.5"	1	No.	
60	UPVC Tee	0.5"	1	No.	
61	UPVC FTA(female Thread adaptor)	0.5"	1	No.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
62	UPVC MTA(male Thread adaptor)	0.5"	1	No.	
63	UPVC Ball Valve	0.5"	1	No.	
64	UPVC Socket	0.5"	1	No.	
65	Dosing Chemical Tank	60Ltrs	1	No.	
66	Dosing Chemical Tank	100Ltrs	1	No.	
67	Chemical circulation Tank	300Ltrs	1	No.	
68	DM water Rota meter online	10000LPH	1	No.	
69	Anticipant Chemical		1	Ltr.	
70	HCL Acid	33% commercial gread	1	Ltr.	
71	Caustic soda(NAOH)	Flex	1	kgs	
72	Control panel accessories:				
a	Two pole MCB	1ph,415V,16A	1	No.	
b	Three Pole MCB	3ph 415V,16A	1	No.	
c	NO/NC Contactor	250V,7A	1	No.	
d	Indication lamp	440V	1	No.	
e	Push Button	440V	1	No.	
f	ORL Relay	440V	1	No.	
g	Power Cable	3 ph,120Sq.mm	1	No.	
h	Power Cable	1 ph,50sq.mm	1	No.	
i	Main switch	415/460V,63A,3 ph	1	No.	
j	Electronic hooter suitable for existing control panel		1	No.	
k	On/off switch suitable for existing control pannel		1	No.	
73	Acidic Chemical		1	Kg	
74	Alkaline Chemical		1	Kg	
75	Water storage tank	5000Ltr	1	No.	
76	Misc. Material		1	Each	
Labour Charges:					
1	Replacement of Raw Water Pump by new		1	No.	
2	Repair of Raw Water Pump		1	No.	
3	Replacement of Sand Filter by new		1	No.	
4	Repair of sand filter		1	No.	
5	Replacement of Carbon Filter by new		1	No.	
6	Repair of carbon filter		1	No.	
7	Replacement of Cartage housing by new		1	No.	
8	Replacement of Cartage Filter (pp spun) by new		1	No.	
9	Replacement of Anticipant pump by new		1	No.	
10	Repair of Anticipant pump		1	No.	
11	Replacement of Acid Dosing Pump by new		1	No.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
12	Repair of Acid Dosing Pump		1	No.	
13	Replacement of High Pressure pump by new		1	No.	
14	Repair of High Pressure pump		1	No.	
15	Replacement of RO Membrane by new		1	No.	
16	Replacement of RO Membrane housing by new		1	No.	
17	Replacement of DM Feed Pump by new		1	No.	
18	Repair of DM Feed Pump		1	No.	
19	Replacement of Cation Unit by new		1	No.	
20	Repair of Cation Unit (resin replacement)		1	No.	
21	Replacement of Anion Unit		1	No.	
22	Repair of Anion Unit (resin replacement)		1	No.	
23	Replacement of RO Controller by New one		1	No.	
24	Repair of RO Controller		1	No.	
25	Replacement of Pressure gauges be New one		1	No.	
26	Replacement of RO Pressure switch by new one		1	No.	
27	Replacement of RO feed Valve by new one		1	No.	
28	Replacement of Multiport Valve by new one		1	No.	
29	Replacement of RO Permeated flow indicator		1	No.	
30	Replacement of Reject flow meter tube		1	No.	
31	Replacement of RO Reject pipe		1	No.	
32	Replacement of Dump SV (solenoid)Valve		1	No.	
33	Replacement of Flushing SV (solenoid)Valve		1	No.	
34	Replacement of ORP Meter		1	No.	
35	Replacement of Conductivity/TDS Meter		1	No.	
36	Replacement of RO reject Valve by new one		1	No.	
37	Replacement of Metal Valve by new one		1	No.	
38	Plumbing charges		1	No.	
39	Replacement of Dosing Chemical Tank by new one		1	No.	
40	Replacement of Dosing Chemical Tank by new one		1	No.	
41	Replacement of Chemical Circulation Tank by new one		1	No.	
42	Replacement of DM water Rota meter online by new one		1	No.	
43	Repair of Control panel		1	No.	
44	Regular Visiting Charges per two months including following work:				
a	Inspection & cleaning of raw water tank		1	No.	
b	Sand/Carbon activated/Caution/Anion Unit filter backwash, rinse, regeneration such that the conductivity of DM plant output should be below 0.3 micro simens / meter		1	No.	
c	Cleaning of dosing pump tank & dosing tube if required		1	No.	
d	Observation of working Ejectors, NRV, Strainer, suction hose etc.		1	No.	
e	Checking Differential pressure across membranes		1	No.	
f	Checking up all valve for leakage		1	No.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
g	Water sample collation for detail analysis once in a month. Raw water, RO water, DM water.		1	No.	
h	Taking reading of plant like pressure & flow etc.		1	No.	
i	Preparation of trend chart		1	No.	
j	Cleaning of RO Membrane with acidic & alkaline Chemical if necessary.		1	No.	
45	Emergency visiting charges		1	No.	
46	Replacement of Sintex make Tank(5000Ltr)		1	No.	
47	Misc. Services		1	Each	

Note: - Taxes should be quoted distinctly, if any.

Sd/-
Superintending Engineer
EHV O&M Circle, Karad