

**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,**

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

Office Address: - Administrative Building, 1<sup>st</sup> 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. 0946**

**DATE:- 18 July 2025**

**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 25/07/2025 upto 16.00 Hrs.**

**TERMS & CONDITIONS: -**

1. You will have to report the concerned representative/ incharge immediately within next day after the firm work order placed from this office. The work should be started as per directed by the authorized representative **within 04 days** from the date of intimation given by the concerned representative/ incharge.
2. 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.
3. **Following documents should be submitted along with quotation**
  1. Registration copy under shop act / NOC from Gram panchayat / Registration under Udyam Aadhar
  2. Valid Copy of GST registration.
  3. Pan Card.
  4. Income Tax Return copy for the Assessment year 2024-25.
4. Quotations should be duly filled in all respect and signed, failing which it will be liable for rejection.
5. In case of any dispute, decision of the undersigned shall be final and binding on the contractor.
6. The work order amount is limited upto Rs.05.00 Lakhs (Including all Taxes). Taxes should be quoted distinctly, if any. If not so it will be assumed that, rates are inclusive of all Taxes & all applicable charges.
7. All the bills should be submitted to this office after satisfactory completion of work, for arranging payment.
8. **PENALTY:** - If you fail to carry out the work within stipulated period **penalty at ½ % per delayed day** or part thereof will be levied on you subject to maximum 10% of the total value of the this order, However due consideration will be given in lieu of penalty for the reasons absolutely beyond your control which documentary evidence will have to be produced by you No material will be issued by the company for this work.

9. Please mention your PAN No., GST Registration No. along with quotation.
10. The work should be carried out as per enclosed Schedule - 'A'.
11. Right to reject any or all quotations without assigning any reasons thereof are reserved by the undersigned.
12. You should pay **security deposit** equivalent to **5 %** of the order value. S.D. within 7 days from issue of work order to this office. Security Deposit is payable by (a) Online deposit (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.
13. Any dispute or differences arising under out of or in connection with this contract shall be in the jurisdiction of District Court, Karad.
14. Other contractual terms and conditions of MSETCL shall be applicable to this contract also.

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'**

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

Sr. No.	Items	Specification	Qty	Unit	Ex Rate in Rs.
<b>A. Material Charges:</b>					
1	Raw Water Pump	3 ph, 2Hp, head 26Mtr, 5mtr <sup>3</sup> /Hr, 2900RPM	1	No.	
2	Sand Filter	1500x600mm (h/d),5mm shell plate thick,MS,5mtr <sup>3</sup> /Hr	1	No.	
3	Carbon Filter	1500x600mm (h/d)5mm shell thickness, supported media depth 500mm,carbon media depth 750mm,5mtr <sup>3</sup> /Hr,MS	1	No.	
4	Cartrage Filter housing	4.5"x 20"	1	No.	
5	Cartrage Filter (PP spun)	4.5"x 20",5mtr <sup>3</sup> /Hr,0-7kG Cm <sup>2</sup>	1	No.	
6	Antiscalant pump	4lph @ 5.5Kg/cm <sup>2</sup>	1	No.	
7	Acid Dosing Pump	4lph @ 5.5Kg/cm <sup>2</sup>	1	No.	
8	High Pressure pump	10Hp,18 stage 3ph,10Meter <sup>3</sup> /Hr, 150mtr head,SS-304,2900RPM,	1	No.	
9	RO Membrane	Chemical/Koch/Hydronotic,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 <sup>3</sup> /Hr.,35mtr head,SS casting,2900RPM	1	No.	
12	Cation Unit	1250/400mm (h/d),3mtr <sup>3</sup> /Hr.	1	No.	
13	Cation media	150Ltr.Material-MSRL,50mtr <sup>3</sup>	1	No.	
14	Anion Unit	1250/400mm (h/d),3mtr <sup>3</sup> /Hr.	1	No.	
15	Anion Media	150Ltr.Material-MSRL,50mtr <sup>3</sup>	1	No.	
16	RO Controller	RO matic aster make	1	No.	
17	Pressure guages	0-20Kgs	1	No.	
18	RO Pressure switch(low)	0-7Kgs,Make-Pune Treatrol/Equavalant,0-5KgCm <sup>2</sup>	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	12 mmx2.5"	1	No.	
26	Dump SV(solenoid) Valve	1.5"	1	No.	
27	Flushing SV(solenoid) Valve	1"	1	No.	
28	ORP Meter	0-100micro 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.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate in Rs.
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.	
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 Rotameter online	10000LPH	1	No.	
69	Antiscalant 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.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate in Rs.
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	230V, 0.5 A	1	No.	
k	On/off switch suitable for existing control panel	230V, 0.5 A	1	No.	
l	Stranded copper wire 2.5 sq.mm	3 Ph, 2.5 Sqmm	1	Mtr.	
m	Stranded copper wire 1 sqmm	Single Ph 1 sqmm	1	Mtr.	
n	Stranded copper wire 0.5 sqmm	Single Ph 0.5 sqmm	1	Mtr.	
73	Acidic Chemical		1	Kg	
74	Alkline Chemical		1	Kg	
75	Water storage tank	5000Ltr	1	No.	
76	Misc. Material		1	Each	
77	Bore well Pump Controller	440V, 10 AMP	1	No.	
78	Bore well Pump Starter	440V, 10 AMP	1	No.	
79	Water Level Switch	230V, 0.5 A	1	No.	
80	Foot valve	2" Flap Type	1	No.	
81	UPVC NRV	2"	1	No.	
82	Bore well Pump	5 HP, 440 V, 10 A	1	No.	
83	RO Pressure Switch (High)	10-20 Kgs, Make - Pune Treatrol / Equivalent, 10-20 kGCM^2	1	No.	
<b>B. Labour Charges:</b>					
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 Cartrage housing by new		1	No.	
8	Replacement of Cartrage Filter (pp spun) by new		1	No.	
9	Replacement of Antiscalant pump by new		1	No.	
10	Repair of Antiscalant pump		1	No.	
11	Replacement of Acid Dosing Pump by new		1	No.	
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 guages 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.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate in Rs.
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 Rotameter 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.	
g	Water sample colletion 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 Membarance with acidic & alkline 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	
48	Replacement of Bore well Pump		1	No.	
49	Repairing of Bore well Pump		1	No.	
50	Repairing of Bore well Starter		1	No.	
51	Replacement of Bore well Starter		1	No.	
52	Replacement of Bore well Controller		1	No.	
53	Repairing of Bore well Controller		1	No.	
54	Replacement of NRV		1	No.	
55	Replacement of Foot Valve		1	No.	
56	Calibration of Conductivity Meter		1	No.	
57	Calibration of ORP Meter		1	No.	
58	Replacement of Water Level Switch		1	No.	

**Note: -**

1. The work order is limited upto Rs.5.00 Lakhs (Including All Taxes)
2. The above mentioned quantity tentative and may be vary as per actual site conditions.
3. Taxes should be quoted distinctly, if any. If not so it will be assumed that, rates are inclusive of all Taxes & all applicable charges.

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