

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

SRM ENQUIRY NOTICE

MSETCL invites online bids (SRM E-Enquiry) in SRM from reputed and registered contractors on Mahatransco E-Tendering website <https://srmetender.mahatransco.in/> for the following tender specification.

Sr. No.	Particulars	Description
1	Name of Enquiry	Bi-annual maintenance contract for DM Water Plant at Hot Line Unit, Ogalewadi under EHV O&M Circle, Karad
2	RFX. No.	7000026001
3	Date for download of Enquiry documents.	From 24.01.2023 to 01.02.2023 upto 10:00 Hrs.
4	Date submission of Enquiry Documents.	On or before 01.02.2023 upto 10:00 Hrs.
5	Date & Time (Hrs.) for online opening of Enquiry Documents.	a) Technical Bid: - 01.02.2023 at 10.00 Hrs. onwards; if possible. b) Commercial Bid: - 02.02.2023 at 13:00 Hrs. onwards; if possible.
6	E- Enquiry Amount	Limited upto Rs.5.00 Lakh (Including all taxes.)
7	EMD Amount	Rs.5,000/-
8	Enquiry Fees	Rs.118/- (Rs.100 + 18% GST)

For further details visit our website : - <https://srmetender.mahatransco.in/>

Contact Person: Superintending Engineer (O): Phone No. 02164 - 255116

Note: All eligible contractors are mandated to get enrolled on SRM-tendering portal.

Terms & Conditions:

- 1) The Enquiry documents can be downloaded only online from aforesaid website, within aforesaid date.
- 2) The eligible contractors should have submit bids online only, well in advance within aforesaid date & time. Technical bid & Commercial bid should be submitted properly.
- 3) The tenderer must quote his final rates (including all taxes) online through SRM e-tendering portal of MSETCL (<https://srmetender.mahatransco.in/>) and not in schedule 'A' scan copy.
- 4) MSETCL will not be responsible for non-submission of bid due to any website related problems.
- 5) The undersigned reserves the right to cancel the SRM-Enquiry at any time without assigning any reason.

**Superintending Engineer,
EHV O&M Circle, Karad**

(CIN No.U40109MH2005SGC153646)

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.

Contact No. :- Tel (O): 02164 255116 (P): 02164 255127 (Fax): 02164 255151

E-mail ID :- se3100@mahatransco.in

Website :- www.mahatransco.in

Ref: - SE/EHV O&M/C/KRD/T/No. 0086

DATE: - 23 JAN 2023

SRM ENQUIRY

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

Ref: - RFx No.7000026001

Dear Sir,

Please offer your reasonable rates in SRM system for the subjected work as per Schedule 'A' given below. The scope of work is also mentioned therein.

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.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
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.	
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.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
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 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.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
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.	
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.	

Sr. No.	Items	Specification	Qty	Unit	Ex Rate
e	Checking Differential pressure across membranes		1	No.	
f	Checking up all valve for leakage		1	No.	
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	

The rates are Excluding of GST.

- **Please consider the item Sr. No. in the above Schedule-A while quoting the rates in SRM.**

Following documents should be submitted in SRM.

1. GST registration proof.
2. Registration of firm under Bombay shop Act & Establishment Act.
3. Income Tax Return for last Three Assessment years i.e. 2018-19, 2019-20 & 2020-21.
4. The agency should have completed the Installation of DM Water Plant / AMC for DM Water Plant, during last Five years; Certificate regarding the same from an authority not below the rank of Executive Engineer.

1. DUE DATE: - Last date of submission is on or before **02/02/2023 up to 10:00 hrs.**

2. VALIDITY OF OFFER: - The offer should be valid for our acceptance for a period of 60 days from the due date of opening.

3. EMD: - Proof regarding submission of EMD through online facility OR If any exemption is availed from payment of EMD on the basis of SSI/NSIC certificate etc.

Then please refer our MSETCL EMD Exemption circular No. MSETCL/Dir (Ops)/10812 Dtd. 10.10.18 (attached herewith)

If required EMD is not paid or the certificates for exemption of EMD is not submitted as per above circular then respective bid is straight away liable for rejection.

The undersigned reserves the right to reject any or all bids without assigning any reasons.

Thanking you,

Yours Faithfully,

Encl: Terms & conditions.

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

Copy to: -

1. Manager (F&A), EHV O&M Circle, Karad
2. Notice Board.

GENERAL TERMS AND CONDITIONS

1. SUPERVISION OF THE WORKS:

The works shall be under the overall supervision, and shall be subject to the approval of the Executive Engineer concerned, or his designated representative.

2. SCOPE OF THE WORKS:

The scope of works involves:-

A. Bi-annual maintenance contract for DM Water Plant at Hot Line Unit, Ogalewadi under EHV O&M Circle, Karad as per schedule 'A'.

3. CONTRACTOR'S EMPLOYEES:

The contractor shall employ and provide onsite only such employees as are skilled and experienced for execution and supervision of works.

4. DAMAGE TO PERSONS AND PROPERTY:

The contractor shall indemnify the Board against any losses and claim in respect of injuries or damage to any persons, material or physical damage to any property whatsoever, which may arise out of or in consequence of the execution of the work.

5. SITE CLEARANCE:

On completion of the works, the contractor shall clear away and remove from the site all surplus materials, rubbish and temporary work of any kind. The site should be kept clean.

6. Any accident to your labours while executing the work / any loss/ damage to the MSETCL's property during execution of work will be on your account & you will have to make it good at your cost.

7. The insurance of your labours will have to be done at your cost. If failed to do so any compensation or claim arrears will be at your responsibility.

8. SUB-LETTING OF CONTRACT:

The contract or any part there of shall not be assigned, transferred, or sub-let without the prior written permission of the undersigned. Even if such permission is granted, it shall be the responsibility of the principal contractor to whom the work order was originally issued, to execute the works as per the terms of the contract.

9. SECURITY DEPOSIT:

You should pay security deposit equivalent to 5% of the value of the order. S.D. should be paid this office within 7 days. 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 subject to NOC from concern officer.

10. PAYMENT TERMS:

- i) The bills in triplicate, advance stamp receipt, along with the MOM should be submitted to concerned Sub-station / Sub-division Incharge for recording the bill in SAP.
- ii) 100% payment will be made against receiving of bills from Sub-station / Sub-division as per availability of funds.

11. **TDS, LABOUR CESS, GST TDS & Other Taxes etc.:-** TDS, Labour Cess, GST TDS & Other Taxes etc.as per government rule will be applicable.

12. TAX DEDUCTION AT SOURCE:

In accordance with I.T. Act 1961, I.T. will be deducted at source at the prevailing rates from the bills. Similarly any other tax deductible at source, (such as W.C.T.) if applicable to this particular contract, as per statutory provisions (laid down by Central or State Government.) will also be deducted from the bills at the prevailing rates.

13. The workmanship & material used should of best quality & confirming to the standard specification

14. LIQUIDATED DAMAGES FOR DELAY IN EXECUTION:

Should the contractor fail to complete the works in the stipulated time period, he shall be liable to pay to the Company, the sum equal to 1% of the contract sum (for the delayed portion of work) per day delayed, subject to a maximum of 10% as liquidated damages, and subject further to Force Major conditions.

Further, if the contractor, after having accepted the contract, is unable to execute the same in full, the Company's reserves the right to get it executed either departmentally or by any other agency, the cost & risk of which shall be borne by the contractor.

15. TERMINATION OF CONTRACT:

The undersigned reserves the right to cancel the contract, after giving due notice to the contractor, in the even of the breach of contract in any respect.

16. APPLICABILITY OF GENERAL CONDITIONS OF CONTRACT:

Notwithstanding anything stated herein, the Company's General Conditions of Contract shall be applicable to the contract, as far as they are applicable, in respect of this order.

17. JURISDICTION:

All disputes / differences arising under / out of or in connection with this contract shall be subject to the exclusive jurisdiction of Karad court only.

18. The MSETCL's general terms & conditions of work contract are applicable to this order.

19. The undersigned reserves the right to cancel / modify the order at any time without giving any notice.

20. Please acknowledge the receipt of this order within seven days from the date of receipt, otherwise it will be presumed that all terms & conditions are accepted by you

Sd/-

**Superintending Engineer,
EHV O&M Circle, Karad**