



**Maharashtra State Electricity Transmission Co. Ltd.  
EHV(O&M) Division, Baramati**

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Bhigwan Road,  
Baramati Pin- 413 102.

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**Ref No: EE/EHV/O&M/DN/BMT/T/ 703**

**Date: 06.11.2023.**

**E-Enquiry**

**Sub:** Work of repair of various rating Station transformer & HV Instrument Transformer available at Various EHV substations under jurisdiction of EHV O&M Division Baramati.

**Date of publication Enquiry: - From Dtd. 06.11.2023 at 13:00 Hrs To Dtd. 13.11.2023 up to 16:00 Hrs.**

**Due date for submission of Offer: - Dtd. 13.11.2023 up to 16:00 Hrs only.**

**Technical Opening Date: - E-Enquiry will be opened on same day or as per convenience of the office.**

Dear Sir,

Sealed & superscripted quotations are invited for Work of repair of various rating Station transformer & HV Instrument Transformer available at various EHV substations under jurisdiction of EHV O&M Division Baramati as per enclosed Schedule "A+B+C". You are requested to quote your reasonable rate for the above supply. The terms & conditions are as follows:-

**TERMS & CONDITIONS**

1. Offer should be submitted to this office on or before Dtd. 13.11.2023 up to 16:00 Hrs only.
2. The rate quoted should be valid at least three month from the date of opening of E-Enquiry.
3. The quotation not confirming to specifications as desired are likely to be rejected.
4. Right to accept/ reject any or all Quotations or part there of it reserved by the undersigned.
5. The agency should be registered under the Bombay Shops & Establishment Act, 1948.
6. The interpretation of undersigned on any matter of decision given by him on any disputed point will be final and binding on Contractor.
7. The documents of an offer shall be written legible and free from erasures, over writing or conversion of figures, corrections where unavoidable shall be made by crossing out, rewriting, initialling and dating.

8. If the bidder has any doubt the meaning of any portion of the enquiry conditions / specifications, he should get it clarified from the office of the undersigned before submission of the offer.
9. Along with quotations following documents should be attached,
  - A. Valid Electrical Contractors Licence for Erection/commissioning work
  - B. Valid Shop Act Licence or NOC from Local Govt. Body.
  - C. Valid registration under GST.
  - D. Valid Pan Card
  - E. The Bidder must have experience for carrying out similar work Experience.
10. Rates: Rates considered in schedule 'A+B+C' exclusive of GST and Labor Cess applicable for supply and service portion. You have to submit rates exclusive of taxes & Taxes (GST/Labor cess etc) should be mentioned separately as applicable.
11. All general /technical /commercial terms & conditions of the contract of MSETCL are applicable to this contract.

Encl:- Schedule A+B+C.

Yours faithfully,

**SD/-**  
**(P.P. Kulkarni)**  
**Executive Engineer**  
**EHV O&M Division, Baramati**

**Copy to:-**1) Web Master MSETCL  
2) Notice Board  
MF



**MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,**  
**EHV O&M Division, Baramati**

**Name of work:** Work of repair of various rating Station transformer & HV Instrument Transformer available at various EHV substations under jurisdiction of EHV O&M Division Baramati

<b>Schedule 'A'</b>
<b>Sub: - Estimate for the work of repair of various rating Station Transformer and HV instrument Transformer available at various EHV Substations under jurisdiction of Trans O &amp; M Division Baramati for FY 2023-24.</b>
<b>Work of repair of 33/0.415 KV, 200KVA Station Transformer</b>

Sr. No.	Particulars	Portion	Unit	Rate in Rs.
1	Dismantling of Complete Transformer which includes: a) H.V. Winding b) L.V. Winding c) Yoke d) Core e) Bushing f) Top Cover g) Removing tap changer connections & h) Other necessary items as required.	Labour	L.S.	2517.20
2	Painting of complete Transformer with con-servative tank, radiator, OLTC etc. externally with two coats of battleship grey paint incl. paint confirming to relevant ISS.	Material	L.S.	839.07
		Labour	L.S.	419.53
3	Painting of Transformer tank internally with with two coats of hot oil resistant paint incl. supply of paint confirming to relevant ISI.	Material	L.S.	755.16
		Labour	L.S.	419.53
4	Rewinding of HV/LV Coils with new copper section and new insulation material	Material	Kg.	516.03
		Labour	Kg.	62.93
5	Re-insulation of LV Coils with existing conductor with new insulation material	Material	Kg.	71.32
		Labour	Kg.	62.93
6	Providing of insulation material	Labour	Kg.	230.74

7	Assembly of complete Transformer including cleaning of core, main tank, conservator, yoke etc. reassembly of all active parts after necessary repairs drying in the oven, providing in the terminal connections of HT & LT to bushing and tap changer, tanking, filling of oil, filtration of oil, welding if necessary, changing of all gaskets, damaged hardware and cleaning, oiling etc. and testing of complete transformer with for all routine tests as per IS 2026.	Labour	LS	6293.00
<b>8</b>	<b>SUPPLY OF FOLLOWING PARTS:</b>			
1	HV Bushing	Material	No.	452.44
2	HV Terminal Rod with Accessories	Material	No.	616.96
3	LV Bushing	Material	No.	164.52
4	LV Terminal Rod with Accessories	Material	No.	699.22
5	Explosion vent diaphragm	Material	No.	123.39
6	Vavle for oil draining 25/32 mm	Material	No.	1480.71
7	Drain/ Sampling Valve 25/32 mm	Material	No.	1480.71
8	Breather for main tank	Material	No.	616.96
9	M.S. Nut Bolts	Material	No.	82.26
10	Plain Oil Guage	Material	No.	205.65
<b>11</b>	<b>LESS: [ SALVAGE VALUE ]</b>			
a)	M.S. Parts Scrap Incl hardware	Material	Kg.	15.00
b)	Brass Parts such as HV &LV rods & Valves etc.	Material	Kg.	50.00
c)	Copper scrap of HV winding etc	Material	Kg.	300.00

**Schedule 'B'**

**Sub:- Estimate for the work of repair of various rating Station Transformer and HV instrument Transformer available at various EHV Substations under jurisdiction of Trans O & M Division Baramati for FY 2023-24.**

**Work of repair of Repair of Faulty 11/22/33KV CT's & PT's**

Sr.No	Names of Item	Core	Unit	Rate
<b>A</b>	<b>Current Transformer</b>			
1	Repair of 11/22/33 KV CT 2,3&4 Core Outdoor Oil Cooled type, Vacuum Treatment, Replacement of insulation material, Providing Hardware, terminal, bushing, Gasket etc. Painting, tank welding if required, oil replacement, Repairing of failed CT Coil Complete, reassembling and testing etc. Fresh oil + 3% Handling Loss will be provided by the MSETCL.			
2	33KV CT Ratio 400-200/1 Amp	3 Core	No	13584.16
3	33KV CT Ratio 800-400/1Amp	3 Core	No	15330.68
4	33KV CT Ratio 1600-800/1A	3 Core	No	17271.27
5	33KV CT Ratio 400-200/1 Amp	2 Core	No	12419.78
6	33KV CT Ratio 800-400/1Amp	2 Core	No	13390.08
7	11KV CT Ratio 400-200/1 Amp	2 Core	No.	10673.26
8	11KV CT Ratio 1600-800/1A	2 Core	No.	13390.08
<b>B</b>	<b>Potential Transformer</b>			
	Repair of failed 33 KV PT Outdoor Oil Cooled Type, Vacuum Treatment, and Replacement of insulation material, Providing Hardware, Terminal, Bushing, Gasket etc. Painting, Tank welding if required, oil replacement, Repairing of failed CT Coil Complete, Reassembling and testing etc. Fresh oil + 3% Handling Loss will be provided by the MSETCL.			
<b>1</b>	33KV PT Ratio 33/√3/ 110/√3	3 Core	No	13176.62

2	11KV PT Ratio $33/\sqrt{3}/110/\sqrt{3}$	2 Core	No.	6937.62
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**Schedule 'C'**

6	E-Enquiry for Work of repair of various rating Station transformer & HV Instrument Transformer
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**Sub:- Estimate for the work of repair of various rating Station Transformer and HV instrument Transformer available at various EHV Substations under jurisdiction of Trans O & M Division Baramati for FY 2023-24.**

**Work of repair of 33/0.415 KV, 100KVA Station Transformer**

Sr. No.	Particulars	Portion	Unit	Rate in Rs.
1	Dismantling of Complete Transformer which includes: a) H.V. Winding b) L.V. Winding c) Yoke d) Core e) Bushing f) Top Cover g) Removing tap changer connections & h) Other necessary items as required.	Labour	L.S.	1678.13
2	Painting of complete Transformer with con-servative tank, radiator, OLTC etc. externally with two coats of battleship grey paint incl. paint confirming to relevant ISS.	Material	L.S.	839.07
		Labour	L.S.	419.53
3	Painting of Transformer tank internally with with two coats of hot oil resistant paint incl. supply of paint confirming to relevant ISI.	Material	L.S.	755.16
		Labour	L.S.	419.53
4	Rewinding of HV/LV Coils with new copper section and new insulation material	Material	Kg.	516.03
		Labour	Kg.	62.93
5	Re-insulation of LV Coils with existing conductor with new insulation material	Material	Kg.	71.32
		Labour	Kg.	62.93
6	Providing of insulation material	Labour	Kg.	230.74
7	Assembly of complete Transformer including cleaning of core, main tank, conservator, yoke etc. reassembly of all active parts after necessary repairs drying in the oven, providing in the terminal connections of HT & LT to bushing and tap changer, tanking, filling of oil, filtration of oil, welding if necessary, changing of all gaskets, damaged hardware and cleaning, oiling etc. and testing of complete transformer with for all routine tests as per IS 2026.	Labour	LS	4195.34

<b>8</b>	<b>SUPPLY OF FOLLOWING PARTS:</b>			
1	HV Bushing	Material	No.	452.44
2	HV Terminal Rod with Accessories	Material	No.	329.05
3	LV Bushing	Material	No.	164.52
4	LV Terminal Rod with Accessories	Material	No.	699.22
5	Explosion vent diaphragm	Material	No.	123.39
6	Valve for oil draining 25/32 mm	Material	No.	1480.71
7	Breather for main tank	Material	No.	411.31
8	M.S. Nut Bolts	Material	No.	82.26
9	Plain Oil Gauge	Material	No.	205.65
<b>11</b>	<b>LESS: [ SALVAGE VALUE ]</b>			
a)	M.S. Parts Scrap Incl hardware	Material	Kg.	15.00
b)	Brass Parts such as HV & LV rods & Valves etc.	Material	Kg.	50.00
c)	Copper scrap of HV winding etc	Material	Kg.	300.00

**Note: -**

- 1) Estimate amount is limited up to Rs. 10,00,000/- (Schedule A + B+C )
- 2) Rates mentioned are Exclusive of all Taxes.

**SD/-**  
**(Shri. P. P. Kulkarni)**  
**Executive Engineer**  
**EHV O&M Dn. Baramati**