

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

Name of Office	Office of the Executive Engineer.
Office Address	Administrative Building, Room No 04 MSETCL,
Email Id	ee2110@mahatransco.in
Website	www.mahatransco.in
Contact No	8554994855

No.EE/EHV(O&M)/A'bad/No. **No 0 0 6 7 3**

Date: **27 JUN 2022**

E-Enquiry Notice

Subject: Enquiry for work of installation of 2 Nos of 33KV Bypass isolators for bunching of 33KV feeder under EHV O&M Division, Aurangabad.

Ref: SE/EHV (O&M)/A'bad/Tech/1119 dtd. 16.06.2022

Dear Sir/Madam,

Sealed & Super scribed quotations are hereby invited, by undersigned, for the Enquiry for work of installation of 2 Nos of 33KV Bypass isolators for bunching of 33KV feeder under EHV O&M Division, Aurangabad.

The other terms & conditions are as follow:

1. **Scope of Work:** Work of installation of 2 Nos of 33KV Bypass isolators for bunching of 33KV feeder under EHV O&M Division, Aurangabad.
2. Quotations should be duly filled in all respect & sealed envelope to be submitted to this office, within 7 working days.
3. Rate shall be quoted, in Schedule-A. The rate quoted should be in 2 digit decimal and shall be valid for 120 days from date of opening the quotations.
4. The L1 bidder will be consider on total amount quoted by bidder
5. The rate quoted will be inclusive of labour cess and exclusive of GST.
6. GST, Duties, Taxes, Cess, Royalties etc will be recovered from bill, as applicable.
7. Enclose duly attested & signed copies of following valid documents, along with quotations:
 - a. Proof of Registration of firm under Bombay shop & Establishment Act/ SSI Certificate /Certificate under Company's Act.
 - b. Proof of valid Electrical Contractor License.
 - c. Proof of GST Registration.
 - d. Income Tax Returns for last years with PAN Card Copy.
 - e. EPF registration.
 - f. Experience certificate from the officer not below the rank of Executive Engineer for successfully executing work of **33KV bay with allied civil work in MSETCL.**
 - g. Duly signed Annexure-A with declaration from contractor.
 - h. The envelope containing quotation should be properly sealed & subscribed
Quotation for :

“Work of installation of 2 Nos of 33KV Bypass isolators for bunching of 33KV feeder under EHV O&M Division, Aurangabad.”

- i. No extra charges will be paid for Vehicle driver, fuel, T&P, other taxes & duties etc.
- j. Payment will be effected within 60 days period as per standard MSETCL T&C subject to availability of funds.
8. No conditional quotations or quotations in part are allowed.
9. Agency will have to submit duly signed copy of Annexure-A, otherwise bid will be rejected.
10. Undersigned reserves the right to place work order either partly or full or to reject any or all the quotations without assigning any reasons whatsoever. In normal course, the interpretation of the undersigned on any matter or decision given by him on any disputable points will be final and binding on you.
11. In the event of any disputed regarding the work order for his work, the decision of the unsigned shall be final & binding upon the contractor.
12. Not with standing anything stated here, the terms and conditions stipulated in the Booklet of Board's General Terms & Conditions of Contractor will also form a part of the contract and will be binding on you whenever it is not specifically mentioned.

Thanking You,

Encl: Sch- A

Yours Sincerely,



**Executive Engineer
EHV (O&M) Division,
MSETCL Aurangabad**



SCHEDULE-"B": Undertaking from Contractor

**To,
The Executive Engineer,
EHV (O&M) Division MSETCL,

Aurangabad.**

Dear Sir/Madam,

Having Examined the specifications of the enquiry together as above with the Accompanying Annexure, the general terms & conditions of the contract the instructions of the Employer applicable to MSETCL's work contract there in referred to I/We hereby do agreed with it and have no doubt / objection regarding the Enquiry documents and the said specifications Annexure at the rate enter entered in the Annexure.

I/We hereby guarantee that our firm is not blacklisted or debarred in MSETCL or any other, Utility. The performance of our work in full confirmed of your specification and instructions the particulars entered in the Annexure attached to the specifications and in accordance with the Conditions of contract applicable for MSETCL's contract.

Thanking You.

Yours Faithfully

(Signature of the Tenderer)

Date:

Place:

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED.

EHV O & M Division, Aurangabad.

Estimate for Installation of 2 numbers of 33kV By Pass Isolator for Bunching of 33kV Feeders at 220kV
Phulambri Sub-Station, under EHV (O&M) Division Aurangabad.

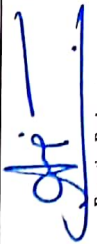
ABSTRACT

Sr. No	Particulars	Amount	Remark
1	Supply Portion	205689.48	From Annexure-A
2	Erection Portion	39788.79	From Annexure-B
3	Civil Works	106159.01	From Annexure-C
A	TOTAL (in Rs.)	351637.28	
B	TOTAL (in Lakhs)	3.52	

In Words :- Rs. Three Lakhs and Fifty-Two Thousand Only


Executive Engineer
EHV (O&M) Division, MSETCL
Aurangabad.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD., EHV O&M DIVISION, AURANGABAD.													
Estimate for the work of installation of 33kV By Pass Isolator for Bundling of 33kV Feeders at 220kV Phulambri Sub-station under EHV (O&M) Division Aurangabad.													
Annexure-A (Supply Portion)													
Sr. No.	Particulars	Details / Ratings	Unit	Quantity	Ex-Works Unit Rate In Rs.	Amount Labour Cess (@1%)	Rate including L.S.	2% Freight & Insurance	Total of Ex-Works + Freight + Insurance	Amount of GST (@18%)	Final Unit Rate (Rs.)	Amount (Rs.)	Remark
33kV Equipments													
1	33kV Isolator without Earth switch alongwith insulator and support structure	36kV, 800A, SC rating 25 KA/3 sec., Creepage Distance 25mm/kV, 4 KN	Set	0	53,933.00	539.33	54,472.33	1,089.45	55,561.78	10,001.12	65,562.90	0.00	Substation Supply SOR Page No-3 Item No-35
2	33kV Bus Post Isolator	36kV, 127mm, PCD, 25mm/kV, creepage distance 25mm/kV	Set	0	4945.00	49.45	4,994.45	99.89	5,094.34	916.98	6,011.32	0.00	Substation Supply SOR Page No-3 Item No-41
Clamps & Connectors													
3	Palm for Iso (terminal connector for isolator to receive single zebra ACSR conductor)	Electrolytic copper Comp type	No	12	1635.00	16.35	1,651.35	33.03	1,684.38	303.19	1,987.56	23850.78	Substation Supply SOR Page No-6 Item No-66
4	T-connector (C5) for Zebra	Single to single Comp type	No	12	1166.00	11.66	1,177.66	23.55	1,201.21	216.22	1,417.43	17009.18	Substation Supply SOR Page No-6 Item No-93
5	Support clamp (C8)	Single conductor	No	4	1276.00	12.76	1,288.76	25.78	1,314.54	236.62	1,551.15	6204.61	Substation Supply SOR Page No-6 Item No-94
Conductor & Earthwire													
6	Conductor	0.4 ACSR Zebra	Km	0.05	236833.00	2,368.33	2,39,201.33	4,784.03	2,43,985.36	43,917.36	2,87,902.72	14395.14	Substation Supply SOR Page No-10 Item No-1
7	Cable: Cu conductor, 4 core, 2.5 sq.mm steel Armoured, FRLS control cable	Steel Armoured, FRLS control cable	Rmt	300	105.00	1.05	106.05	2.12	108.17	19.47	127.64	38392.53	Substation Supply SOR Page No-7 Item No-112
Earthing strips													
8	Earthing strips	75 x 10 mm, MS	Rmt	35	301.00	3.01	304.01	6.08	310.09	55.82	365.91	12806.73	Substation Supply SOR Page No-7 Item No-102
9	Earthing strips	50 x 8 mm, MS	Rmt	0	192.00	1.92	193.92	3.88	197.80	35.60	233.40	0.00	Substation Supply SOR Page No-7 Item No-103
9	Earthing strips	50 x 8 mm, GI	Rmt	75	185.00	1.85	186.85	3.74	190.59	34.31	224.89	16866.95	Substation Supply SOR Page No-7 Item No-104
Structure & Nut-bolt													
10	Galvanised Gantry structures, equipment support structures and foundation bolts		MT	0.88	67913.00	679.13	68,592.13	1,371.84	69,963.97	12,593.52	82,557.49	72650.59	Substation Supply SOR Page No-7 Item No-118
11	Nuts & Bolts	Galvanised, for above structures	MT	0.032	92878.00	928.78	93,806.78	1,876.14	95,682.92	17,222.92	1,12,905.84	3612.99	Substation Supply SOR Page No-7 Item No-119
Total (Rs.)												205689	
 Executive Engineer EHV (O&M) Division, MSETCL													


 Executive Engineer
 EHV (O&M) Division, MSETCL
 Aurangabad.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD., EHV O&M Division, AURANGABAD.										
Estimate for Installation of 2 numbers of 33kV By Pass Isolator for Bunching of 33kV Feeders at 220kV Phulimul Sub-Station, under EHV (O&M) Division Aurangabad.										
Price Schedule "B" (Erection Portion)										
Annexure-B (Erection Portion)										
Sr. No.	Particulars	Unit	Quantity	Unit Rate (Rs.)	Amount of Labour Cost (@1%)	% Rate Inclusive of Labour Cost	Amount of GST (@18%)	Net Unit Rate	TOTAL COST IN RS.	Remark
1	33kV Equipments Erection of Bus post insulator including shifting of material from site store, unpacking of material, erection of Bus Post insulator etc.	No.	4	805.00	8.08	816.08	116.89	962.97	3851.8976	Substation Erection SOR Page No-1 Item No-F III
2	b) 33kV Erection of Isolator without Earth Switch including shifting of material from site store, unpacking of material, assembly of structure, erection of structure, earthing, insulator with jaws and blade, fixing of operating mechanism box, alignment of isolator, cable laying, providing of interlock and trans/electrical and mechanical).	No.	2	4040.00	40.40	4080.40	734.47	4814.87	9629.744	Substation Erection SOR Page No-2 Item No-G B III
3	a) 33kV Erection of Gantry/Equipment structure, shifting of material from site store, assembling, erection of Gantry structure/ equipment support structure including foundation bolts, nut bolts, washers etc.	MT	0.456	2626.00	26.26	2652.26	477.41	3129.67	1432.12061	Substation Erection SOR Page No-2 Item No-H III
4	Earthing (including cost of salt/coal/black soil) Earthing - Excavation of earth pit, fixing of CI & GI pipes, back filling with coal, salt, black soil in layer etc. as per the standard procedure till to the extent to get the satisfactory results. Rates includes erection of Earthing Strips, earth pits etc.	No.	0	4545	45.45	4590.45	826.28	5416.73	0	Substation Erection SOR Page No-2 Item No-L I
5	a) Normal b) Rocky c) 220/132/33kV Equipment /Gantry/Support Structure earthing including excavation and backfilling cutting, bonding & drilling of MS/GI Flats & welding one end to earthmat and other end to equipments etc. Jumping - Cutting of Conductor to required length, fixing of clamps / connector at both ends and jumping to the Equipments. The rate includes fixing of Clamp & connectors.	No.	0	8080	80.80	8160.80	1468.94	9629.74	0	Substation Erection SOR Page No-2 Item No-L II
6	b) 33kV Jumps Laying, dressing and clamping of control cable (inclusive of clamping material, cable tie, aluminium sheet clamp etc.) e) 4 C X 2.5 Sqmm	No	12	152.00	1.52	153.52	27.63	181.15	2173.8432	Substation Erection SOR Page No-4 Item No-Q I
7	Termination of control cable at both ends (inclusive of glands, lugs, ferrules etc.) e) 4 C X 2.5 Sqmm	Per Cable	300	15.00	0.15	15.15	2.73	17.88	5363.1	Substation Erection SOR Page No-2 Item No-M 4 VIII
8	Dismantling of Isolator with support structure, insulators, male female couplers, piping MOM box cabling etc. Complete and stacking the same at required place as directed for 33kV	Per Cable	6	227.00	2.27	229.27	41.27	270.54	1623.216	Substation Erection SOR Page No-3 Item No-M 5 VIII
		Sq	2	5025.00	50.25	5075.25	913.55	5988.80	11977.59	Revised O&M SOR 11144, Page No-4, Item No 22.
Grant Total (Rs.):									39788.78646	


Executive Engineer
EHV (O&M) Division, MSETCL
Aurangabad.

**MAHARASHITRA STATE ELECTRICITY TRANSMISSION COMPANY LTD.,
EHV O&M DIVISION, AURANGABAD.**

Estimate for the work of installation of 33kV By Pass Isolator for Bunching of 33kV Feeders at 220kV Phulambri Sub-station under EHV (O&M) Division Aurangabad.

Annexure-C
(Civil Portion)

Sr. No.	Particulars	Unit	Quantity	Ex-Works Unit Rate In Rs.	Amount Including L.C.	2% Freight & Insurance	Total of Ex-Works + Freight + Insurance	Amount of CST @18%	Final Unit Rate (Rs.)	Amount (Rs.)	Remark
1	Excavation for foundation in earth, soils of all types sand, gravel and soft mudum including removing the excavated material upto a distance of 50 m. beyond the building area and all lifts stacking and spreading as running, watering (including shoring and strutting) etc. complete. (Lift upto 1.50 Metres) Spec. No. Bd.A.1 Page No.259.	Cum	2.00	167.05	168.72	0.00	168.72	30.37	199.09	398.18	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(vi)(10).
2	Excavation for foundation in hard mudum and boulders including removing the excavated materials up to a distance 50 meters, beyond the building area and stacking and spreading as directed de-watering and preparing the bed for the foundation and necessary back filling with available earth/ mudum, watering, etc. complete. (Lift upto 1.5 m) Spec.No. Bd.A.3 Page No.259	Cum.	5.00	203.27	205.30	0.00	205.30	36.95	242.26	1211.29	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(vi)(39).
3	Excavation for foundation in soft rock and old cement and concrete masonry foundations including removing the excavated materials upto a distance of 50 meters beyond the building area and stacking as directed mudum, running, watering including shoring and strutting etc. complete. (Lift upto 1.5 m) Spec. No. : Bd.A.4 Page No.259	Cum.	5.00	348.12	351.60	0.00	351.60	63.29	414.89	2074.45	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(v)(50).
4	Excavation for foundation in hard rock by chiseling, wedging, line drilling, etc including trimming and leveling the bed, removing the excavated materials upto a distance of 50 meters beyond the building area stacking as directed, de-watering and back filling with available earth/ mudum, running, watering, etc. complete. (Lift upto 1.5 m) Spec. No. : Bd.A.6 Page No.260	Cum.	5.00	1278.01	1290.79	0.00	1290.79	232.34	1523.13	7615.66	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(vii)(70).
5	Providing and laying in situ, cement concrete in 1:4:8 of trap / granite / quartzite / gneiss metal for foundation and building including bailing out water, formwork, compacting, finishing if required and curing etc. complete. Spec.No. Bd.E.1 Page No.287	Cum	1.00	5604.76	5650.81	0.00	5650.81	1018.95	6679.75	6679.75	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(viii)(90).
6	Providing and laying in position T.M.T. bar reinforcement (Produced from iron ore and made through blast furnace route) of various diameters for reinforced concrete concrete concrete pile caps, footings, foundation, abutments, columns, canopies, stair cases, chajja, lintels, purlins, eaves, fins, arches etc. as per detailed drawings and schedules including cutting, bending, booking the bars, bundling with wires or tack welding and supporting as required complete. Spec. No. : Bd.F.17 Page No.306	MT	0.40	74757.79	75505.37	0.00	75505.37	13500.97	89006.33	35638.53	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(viii)(170).
7	Providing and laying in situ cement concrete M-20 of trap / granite / quartzite / gneiss metal for Reinforced Cement Concrete work in foundation like raft, grillage, strip foundation and footings of compaction and finishing, curing etc. complete. (Excluding steel reinforcement and Structural steel) Spec. No. Bd.F.3 Page No.298	Cum	2.00	6836.63	6905.00	0.00	6905.00	1242.90	8147.90	16295.79	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(viii)(110).
8	Providing and casting in situ cement concrete M-20 of trap granite/quartzite/gneiss metal for Reinforced Cement Concrete columns as per detailed designs and drawing or as directed including centering, formwork and even surface or roughening the surface if special finish is to be provided and curing etc. complete. (excluding reinforcement) Spec.No. : Bd.F.3 Page No.300	Cum	2.00	12623.89	12750.13	0.00	12750.13	2295.02	15045.15	30090.30	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(viii)(120).
9	Providing internal cement plaster 20mm thick in two coats in cement mortar 1:4 without mesh finish, to concrete, brick surface, in all positions including scaffolding and curing complete. Bd.L.4 Page No.268	Sqm	6.00	465.33	469.98	0.00	469.98	84.60	554.58	3327.48	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(viii)(20).
10	Providing and applying priming coat on concrete/masonry/ Asbestos Cement/ plastered surfaces including scaffolding if necessary, preparing the surface by thoroughly cleaning oil, grease, dirt and other foreign matter and sand puttering as required. As directed by Engineer in charge	Sqm	6.00	34.00	34.34	0.00	34.34	6.18	40.52	243.13	
11	Providing and applying three coats of Apex paint of approved manufacturers and approval colour and shade to plastered surface including scaffolding if necessary and preparing the surface etc. complete As directed by Engineer in charge	Sqm	6.00	238.00	240.38	0.00	240.38	43.27	283.65	1701.89	
12	Labour charges for fixing in position M.S.bolts for Equipment foundation of various sizes with the help of M.S.templates including providing, fabricating, transporting the templates bolts, nuts etc. as per the detail position leveling the templates and bolts as directed including tying fixing the bolts with the help of M.S.bar pieces and welding properly with reinforcement of columns for keeping the templates bolts and nuts in position etc. complete including transporting the templates and nuts to contractor's site store after completion of work and back to contractor's site. All T&C required shall be arranged by the contractor all as per directives of Engineer-in-charge including all test and fit complete	No of	2.00	370.26	373.96	0.00	373.96	67.31	441.28	882.55	A'bad Zone office W.O.No.613 Dt.16.03.2021, Item No.55(viii)(350).
Civil Total Amount (Rs.):										106159.01	


Executive Engineer
EHV (O&M) Division, MS&TCL
Aurangabad.