



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO.LTD.

From :-Office of the Superintending Engineer, At: Airoli, Thane-Belapur Road,
Post :Airoli Node, Post Box No 3, Navi Mumbai - 400 708.

Contact No:-022- 2760 1845/1916

CIN No: U40109MH2005SGC153646

Web Site: www.mahatransco.in

E-mail ID – se7100@mahatransco.in

Ref No.:SE/EHV/O&M/C/KLW/TECH/T-S-3 B/

001659

Date: 21 SEP 2023

E-ENQUIRY

(Through MSETCL webpage)

To,
WHOM SO EVER IT MAY CONCERN

Sub.: Enquiry for Supply of Numerical Busbar Protection Relay against existing faulty Busbar Protection scheme at 220kV AKP & 220kV Sonkhar substation under EHV (O&M) Dn. Bhandup.

..... submission of budgetary offers thereof

This office has to prepare estimate for Supply of Numerical Busbar Protection Relay against existing faulty Busbar Protection scheme at 220kV AKP & 220kV Sonkhar substation under EHV (O&M) Dn. Bhandup. It is requested to offer your favorable budgetary rate for the subject work as detailed in the enclosed Price estimate.

1. **DUE DATE:** - The quotations, complete in all respects, duly sealed & super scribed should be submitted to this office on or before due date i.e., Dt. 03.10.2023.
2. **QUOTED RATES:** The quoted rates should include the cost of all skilled & unskilled Labour, and also the requisite consumables, T&P and all incidental charges such as traveling/ transportation, accommodation etc.
3. **DOCUMENT SUBMISSION:** The bidder should submit all the supporting and accompanying documents (i.e., technical specification, drawing etc.) required for execution of work in sealed Envelope to this office.
4. **Please note that the said budgetary offer is only for estimate purpose & not considered for any bidding & No work order will be issued based on this Enquiry.**

Thanking you,

Yours faithfully,

Encl: Schedule 'A'

(Vijay B.Aware)

**SUPERINTENDING ENGINEER
EHV (O&M) Circle, Kalwa**

Copy to: 1) The Manager (F&A), EHV (O&M) Circle, Kalwa
2) Notice board.

MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LIMITED

EHV O&M CIRCLE, KALWA A

Supply of Numerical Busbar Protection against existing faulty Busbar protection at 220kV AKP, Bhandup GIS & Sonkhar Substation under EHV (O&M) Dn. Bhandup

Annexure -A (Supply Part)

Sr. No.	Material No.	HSN/SAC Codes	Description /SAP text	Unit	AKP SS	SONKHAR SS	GIS Bhandup	Qty.	Ex-work Rate	Labour Cess @1%	Ex-works including 1%LC	Freight & Insurance @ 2%	Ex-works including @1% LC & @2% F&I	GST @18%	Ex-works including 1%LC, 2% F&I & 18%GST	Amount including all taxes,
			220KV EQUIPMENTS													
1	500002911	85381010	220kV Numerical Busbar Protection Panel suitable for Main Unit Specification :- Number of bay Unit – 16, Binary Output-16, Binary Input-16, Aux. DC Voltage 220V DC with HMI, IEC 61850 standard communication protocol suitable for double bus arrangement optical interface connectors, provided with Bus bar protection, End fault protection Event & fault recorder. Aux. Unit Specification :- Aux. DC Voltage 220V, current rating 1A with HMI, optical interface connectors, Binary Output-20, Binary Input-16, provided with Bus bar protection, End fault protection Event & fault recorder.	EA	1	1	1	3								

Note : Other loading if any.

Superintending Engineer
EHV O&M Circle, Kalwa



**DETAILS OF 220kV BUSBAR PROTECTION SCHEMES REQUIRED TO BE REPLACED/PROCURED
NAME OF ZONE :-**

Sr. No.	Name of the	Bus	DC	Type of Bus	No. of Zones	Highest CT	No. of	No. of Future
1	220kV Sonkhar	220kV	220V	1M + 1A	4	2400/1	9	7
2	220kV AKP	220kV	220V	1M + 1A	4	2400/1	11	5
3	220kV Bhandup	220kV	220V	2M	4	1600/1	8	8

Distributed Busbar Relay Specification :-

Main Unit Specification	peripheral unit specification
Number of Bay Unit : 16	Aux DC Voltage : 220V
Binary Output : 16	Current Rating : 1/5A
Binary Input : 16	with HMI
Aux DC Voltage: 220V DC	optical interface connectors
with HMI	Binary Input : 20
IEC61850 standard communication protocol,	Binary Output: 16
Suitable for Double Bus arrangement,	Provided with :-
optical interface connectors	Busbar Protection
Provided with:-	End Fault protection
Busbar Protection	Event and Fault Recorder
End Fault protection	
Event and Fault Recorder	

Bus Confirmation 1 Main with Bus sectional and 1 Aux Bus with Bus Sectional (2 TBC)

Superintending Engineer
EHV O&M Circle, Kalwa

(Signature)