
 <p>MAHATRANSCO Maharashtra State Electricity Transmission Co. Ltd</p>	<p>MAHARASHTRA STATE ELECTRICITY TRANSMISSION COMPANY LTD Government of Maharashtra (Undertaking) (CIN:U40109MH2005SGC153646) Office of The Executive Engineer 400 kV RS O&M Division, Chakan Plot No. P-10, Opp. Mercedes Benz, Phase III, Chakan MIDC, Tal-Khed, Dist.- Pune 410501 EEoffice: 9175142327/ 7447440552 Email Id: ee6180@mahatransco.in</p>	
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Ref. No.EE/400 KV/CHAKAN/Tech/23-24/440

Date: 21.12.2023

ENQUIRY (2nd Call)
(Through MSETCL webpage)

To,
WHOM SO EVER IT MAY CONCERN

Subject: Calling a budgetary offer for supply and installation of 5 kVA online microprocessor controlled IGBT based Static inverter with 1 Year Comprehensive Onsite Warranty at 400kV R. S. O&M Division, Chakan... 2nd Call

Ref: 1) EE/400 KV/CHAKAN/Tech/23-24/ 432 dt.07.12.2023.. (1st Call)

Dear Sir,

The budgetary offers through email are invited for supply and installation of 5 kVA online microprocessor controlled IGBT based Static inverter with 1 Year Comprehensive Onsite Warranty at 400kV R. S. O&M Division, Chakan as per Schedule 'A' and Schedule 'B'- General Technical specifications of 5 kVA inverter' as mentioned below-

Schedule 'A'

Sr. No.	Description	UoM	Ex-Rate	GST	Unit Rate (incl of GST)
1	Supply and Installation of 5 kVA On Line microprocessor controlled IGBT based Static inverter with 1 Year Comprehensive Onsite Warranty	No			

Note: Rate shall be valid for 60 days from the date of submission of offer.

Schedule 'B'

General Technical specifications of 5 kVA inverter

Type of inverter	On Line microprocessor controlled IGBT based Static inverter
Rating @ 50 °c	5 KVA @ 0.8PF
Type of power switching	Pulse width modulation
Input Voltage	Priority Input: 220V DC \pm 10% DC to be taken from station battery bank. Alternate input: Auto switch to 230 V AC input in case of DC input failure
Output voltage	220/230V AC \pm 1%

Nominal Frequency	50Hz \pm 0.3%
Voltage adjustment range	+/- 5%
Accuracy (Steady State)	+/- 1%
Transient voltage regulation for	
Nominal frequency	50 Hz
Frequency regulation i) Free running	0.01 Hz
Total harmonic distortion	Less than 2.5% for linear load & Less than 5% for non-linear load
Single harmonic	Less than 2%
Overload capability	
125% of full load	1 Mins.
150% of full load	1 Secs.
Power factor range	Rated 0.8(0.6 to Unity, within KVA & KW)
Branch fuse clearing capability	30% rated (HRC) type fuse) 10% rated (Slow Blow type fuse)
Operating Temperature	0 °c -55 °c
Relative Humidity for Operation	< 95% - non condensing
Acoustic noise	< 60 dB above ambient noise
Protection class	IP – 21
Method of cooling	Forced air cooling
Alarm	Dry Contact for Minor & Major Alarm
Warranty	1year

You are requested to quote your best reasonable rate for the above work. The terms & conditions are as follows.

Terms & Conditions :

- 1) The rate should be quoted on firm quotation basis.
- 2) The rate should be exclusive of all taxes. Taxes should be quoted extra.
- 3) You are requested to submit your best reasonable budgetary offer as per Schedule A for above work on **Email ID: ee6180@mahatransco.in upto 11:00 Hrs. on dtd 29.12.2023.**
- 4) Following documents should be submitted along with your Offer:
 - a) Shop Act/ Udyog Aadhar Registration Certificate.
 - b) Work Experience Certificate for similar nature of works in MSETCL/MSEDCL/ in any Power Utility or in Private company in India.

- 5) Please note that said budgetary offer is only for estimate purpose & will not be considered for any bidding & no work will be issued based on this offer.

Thanking You,

Sd/-
S.S Patil
Executive Engineer
400KV RS (O&M) Division
MSETCL, Chakan

Copy to:

1. The Adl.EE (Maintenance Unit), 400 kV Chakan
2. The Adl.EE (Testing Unit), 400 kV Chakan
3. The Dy. Manager (F&A), 400KV R.S. (O&M), Division, Chakan