



Bharat Heavy Electricals Limited  
(A Government of India Undertaking)  
BOILER AUXILIARIES PLANT  
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**Maintenance & Services Department**

***Inviting Tender***

Tender Notice No	9721MS22002, DT: 16.05.2022
Name of work	Comprehensive AMC of 10 Nos of Solar inverter (Model-Hiverter NP201i) at BHEL,Ranipet .
Type of tender	Single tender.(OEM)
Contract Period	One Year – From the date of first visit for CAMC
Earnest Money Deposit (EMD) Amount	Not Applicable.
Last date & Time for Receipt of the Tender	26.05.2022 at 14:00 hrs.
Date of Opening	26.05.2022 at 14:30 hrs.
<b><i>(Please obtain updated information from the website about the latest applicable dates &amp; other changes if any in the tender contents)</i></b>	
Place of submission of Tender	Online submission through BHEL eProcurement Portal website: <a href="https://eprocurebhel.co.in/nicgep/app">https://eprocurebhel.co.in/nicgep/app</a>

1. The Tender documents can be down loaded from BHEL eProcurement Portal website: <https://eprocurebhel.co.in/nicgep/app> and also BHEL website (<https://www.bhel.com/tenders>).
2. BHEL, Ranipet reserves the right to accept or reject any or all tenders without assigning any reasons whatsoever.
3. All corrigenda, addenda, amendments, clarifications etc. to tender specification will be hosted in the web pages (<https://eprocurebhel.co.in/nicgep/app>) only.
4. **Bidders shall keep themselves updated with all such developments.**
5. BHEL Ranipet reserves the right to reject any tender on the basis of unsatisfactory performance of the bidder in any ongoing job or any similar job in the past.

**M/s. Hitachi Hi-Rel Power electronics Pvt Ltd**

**B161 GIDC, Electronics Zone**

**Gandhi Nagar-382044**

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### Procedure to submit tender:

- 1) The tender document should be submitted as follows.
  - \* Cover-1 shall contain the techno-commercial bid (Page 1 to 37) and all other relevant documents.
  - \* Cover-2 shall contain only a price bid. (Part II Page no.38).

## Scope of Work:

### **Comprehensive AMC of 10 Nos of Solar inverter (Model-Hiverter NP201i) at BHEL, Ranipet**

1. Vendor should depute service engineers for Preventive maintenance of Solar Inverter once in 3 months. The routine maintenance / check-up of each inverter shall be carried out during the visits.
2. Apart from routine maintenance visits, Vendor should also serve during Emergency/ breakdown/on-rush; this will be unlimited number of Services during this CAMC period. Time line to report at site for this emergency service will be 48 hour from receipt of service call reporting. Emergency service call will be registered through supplier given mail ID / Phone.
3. After completion of routine CAMC work, contractor's service engineer should verify inverter operation in presence of BHEL representative.
4. Contractor deputed service engineer should guide & educate BHEL representative for basic operation & alarms verification and corrections. And also, guide to take all precautionary measures to improve product life.
5. Any violation during CAMC will be reviewed mutually for better execution
6. Vendor should maintain Mandatory spares at nearest location / nearest branch office, in that case material delivery time should be within 48 hours.
7. Any external factors affecting like natural calamity, FIRE , failure due to short circuit ,total black out etc . will come under force majeure clause and not considered in CAMC.
8. During CAMC period, On logging complaints, the contractor has to send a qualified service engineer to attend the breakdown calls. If the contractor does not complete a minor breakdown work within Two BHEL working Days and Major Breakdown within Four BHEL working days including holidays, Penalty will be imposed at the rate of ½% of the particular Annual BOQ value per week of delay and subject to a MAXIMUM ceiling of 10% of particular BOQ value. Any recovery will be done along with GST at applicable rate.
9. Any **Special clause/ Condition of mutual agreeable**  
All force major and pandemic condition will be considered as natural calamities to avoid any dispute during CAMC terms. Same will be treated separately apart from CAMC terms

10. The CAMC of Solar Inverters will cover all items /works related to solar inverter operations except the following material replacement (if required) for operation of PCU. This will be done by BHEL.

1	Air Filter for 1250 KW PCS
2	DC Input Fuse
3	AC SPD
4	DC SPD
5	Magnetic Contactor
6	DC Breaker Coil
7	DC Fuse (1250A)
8	FUSE HRC 16A 550V 16NSD BUSSMANN
9	FUSE HRC SLOW 30A 600V LPJ-30SP BUSSMANN
10	Dust Filter
11	Negative Grounding CT
12	Battery Card
13	Negative grounding card HRD 661
14	Negative grounding Fuse 15 A
15	Backup battery for Memory
16	External Communication Unit

**Scope of BHEL:**

1. BHEL representative will be available during service visit to accompany OEM/Vendor provided engineer .
2. BHEL will arrange work permit & equipment operation .
3. BHEL will provide internal transport, drinking water, lighting arrangement, any skilled/unskilled manpower during the visit of Vendor.

### **C) Termination of CAMC:**

If the performance of the contractor is found not satisfactory. BHEL will terminate the CAMC contract within 15 days of notice period. After the expiry of such notice period this contract shall be terminated and no party shall be liable for any claims/liabilities arising out of acts/deeds/transactions done by other Party after such termination. However, the Parties shall remain liable for all acts/deeds/transitions undertaken or done before the date of termination of this contract.

***BHEL reserves the right to reduce the contract period (pre-close the contract), with 30 day's notice period depends on the requirement / without assigning any reason.***