

	<p><b>Bharat Heavy Electricals Limited</b>  POWER SECTOR – SOUTHERN REGION – SERVICE AFTER SALES  39, Sarojini Devi Road, Ek Tara Building, Secunderabad – 500003.(Telangana)  Ph:040-27703037/27700565/27700827. E-Mail: vir@bhel.in</p>	
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Ref: **BHEL/PSSR/SAS/SCT/Reg/2020-21/Notification**Dt. **17.02.2021**

## REGISTRATION OF SUB-CONTRACTORS

Applications are invited from reputed contractors with relevant previous experience in any or all the under mentioned similar nature of works to be executed in the States of Andhra Pradesh, Tamil Nadu, Telangana, Union Territory of Pondicherry, Karnataka, Kerala & Odisha for REGISTRATION AS SUB-CONTRACTORS.

Application Form along with General Terms and Conditions can be downloaded from any of the following websites between 17.02.2021 to 10.03.2021.

[http://www.bhel.com/tender/tender\\_listing.php](http://www.bhel.com/tender/tender_listing.php)

<https://eprocure.gov.in/epublish/app>

Corrigendum if any issued after the publication of this notice may be viewed only in above mentioned web sites.

Application should contain the following

1. Filled application form with work experience and financial documents.
2. General Terms and Conditions signed in all the pages.
3. Annexure-C & Declaration regarding NIL insolvency proceedings.
4. Application processing fees of Rs. 2,000/- to be submitted only in the following forms (proof of payment for EFT/DD must be sent along with application form)

- a. Electronic Fund Transfer credited in BHEL account, bank details are as follows:

Account Name: BHARAT HEAVY ELECTICALS LTD,

Account No: 00000030359171259,

IFS CODE: SBIN0008779,

BANK: STATE BANK OF INDIA,

BRANCH: ST. Marys Road branch (Secunderabad)

- b. Bankers cheque/demand draft in favor of BHEL payable at Secunderabad.

The completed application forms (hard copy/soft copy) must reach us latest **by 10.03.2021, 17.30 Hrs.** addressed to :

**Sr.DGM (SCT)**

**Bharat Heavy Electricals Limited**

**PSSR, Service After Sales**

**39, Sarojini Devi Road, Ek Tara Building,**

**Secunderabad – 500003.(Telangana)**

**Phone No. 040-27700565**

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**Submission of application in hard copy**

If sent by Courier/Speed post, the dispatch details should also be mailed to [mvnrambabu@bhel.in](mailto:mvnrambabu@bhel.in)/[vir@bhel.in](mailto:vir@bhel.in) for tracking of the documents. BHEL however takes no responsibility for delay, loss or non-receipt of Applications sent by post and reserve the right to accept or reject any or all applications without assigning any reason thereof.

**Submission of application in soft copy**

If you wish to submit application by e-mail all the documents submitted should be digitally signed and should be mailed to [mvnrambabu@bhel.in](mailto:mvnrambabu@bhel.in)/[vir@bhel.in](mailto:vir@bhel.in).

**Financial Data:** Contractors should submit Audited Balance Sheet and Profit & Loss Account for three previous Financial Years (FY). (FY to be considered shall be FY 2017-18, 2018-19 & 2019-20).

Turnover for contractor shall be calculated from the Audited Balance Sheet and Profit & Loss Account for the three Financial Years (FY) as mentioned above.

In case audited Financial statements have not been submitted for all the three years as indicated above, then the applicable audited statements submitted by the contractors against the requisite three years, will be averaged for three years.

If financial statements are not required to be audited statutorily, then instead of audited financial statements, financial statements are required to be certified by Chartered Accountant.

Please note that contractors with positive Net Worth (Only in case of companies) and earned profit in any one of the three Financial Years as applicable shall be considered for registration.

***NOTE: Parties already registered with BHEL PSSR SAS Secunderabad need not apply for registration in the same category again.***

***In case of any doubt regarding status of registration, clarification may be taken through mail addressed to [mvnrambabu@bhel.in](mailto:mvnrambabu@bhel.in)/[vir@bhel.in](mailto:vir@bhel.in)***

**Yours faithfully,  
For and on behalf of BHEL,**

**Sd/-**

**(Virendra Kumar)  
Sr.DGM/SCT**

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## Number of Categories and Technical Qualification Criterias for vendor registration:-

### **CATEGORY – I: THERMAL – TURBINE & GENERATOR**

- AA.** Overhaul of 250MW & above Turbine, Generator & General works.
- BB.** Overhaul of 120MW & above and below 250MW Turbine, Generator & General works.
- CC.** Overhaul of upto 110 MW Turbine, Generator & General works.

Qualifying Criteria: Vendor must have executed overhauling of all the modules i.e. HP, IP & LP and overhauling of Generator works. Vendor must submit at least one work order (with completion certificate) covering the above works which was executed not before January 2015. Only direct work orders from BHEL/PSUs/ State Electricity Boards/GENCOS/Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

### **CATEGORY – II: R&M of THERMAL - BOILER & IT'S AUXILIARIES**

- AA.** R&M of Boiler Pressure Parts of 210MW & above.
- BB.** R&M of Boiler Pressure Parts below 210MW.
- CC.** R&M of Boiler Non-Pressure Parts of 210MW & above.
- DD.** R&M of Boiler Non-Pressure Parts below 210MW.
- EE.** R&M of Boiler Rotating Equipment.

Qualifying Criteria: The vendor must have experience in replacement / Erection of Boiler Pressure Parts (like Water Wall Panels / Re-heater coils / super heater Coils/ Economiser coils) / R&M / Erection of ESP or Boiler Rotating equipment.

Vendor must submit two Work Order Copies along with work Completion certificates for works executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

### **CATEGORY – III: R&M OF CONTROL AND INSTRUMENTION**

- AA.** R&M of Electrical, C&I of TG, SG and Station C&I of Unit rating 210MW & above.
- BB.** R&M of Electrical, C&I of TG, SG and Station C&I of Unit rating below 210MW.

Qualifying Criteria: The vendor must have experience in replacement / Erection of Electrical, C&I items (like TG, Boiler and Station C&I control panels & Field Instruments / Cable/Trays/Transformers).

Vendor must submit Work Order Copies and work Completion certificate for works executed not before January 2015 with following criteria: -

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- i) Single work order value must be 50Lakhs and above (or)
- ii) Two work orders of each order value must be 30Lakhs and above (or)
- iii) Three work orders of each order value must be 20Lakhs and above

Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/ Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

**CATEGORY – IV: HYDRO – TURBINE, GENERATOR & GENERAL OVERHAUL:**

Qualifying Criteria: Vendor should submit at least two overhauling work orders (with completion certificates) which were executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/ Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

**CATEGORY –V: E&C and R&M Works**

- AA.** E&C and R&M (Mechanical) of Industrial TG sets.
- BB.** E&C and R&M (Mechanical) of TG sets:
- CC.** E&C and R&M (Mechanical) of Hydro sets.

Qualifying Criteria: Vendor should submit at least one E&C/R&M work order (with completion certificates) which was executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/ Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

**CATEGORY –VI: RLA OF TURBINE, GENERATOR & BOILER**

- AA.** RLA OF Turbine.
- BB.** RLA OF Generator.
- CC.** RLA OF Boiler.

Qualifying Criteria: Vendor should submit at least one RLA work order (with completion certificate) which was executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/ Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

**CATEGORY –VII: MISCELLANEOUS**

- AA.** Chemical Cleaning of Boilers, Condensers and Heat Exchangers:

Qualifying Criteria: Vendor should submit at least two chemical cleaning work orders (with completion certificates) which were executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/MNCs will be accepted. Work Completion certificate shall not be required in case of BHEL Orders

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**BB.** Supply & application of Insulation of TG, Boiler & Auxiliaries:

Qualifying Criteria: Vendor should submit at least two Supply & application of Insulation work orders (with completion certificates) which were executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders

**CC.** Non Destructive Tests (NDT).

Qualifying Criteria: Vendor should submit at least two NDT work orders covering MPI & NFT tests essentially (with completion certificates) which were executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders

**DD.** Electrical Diagnostic Tests on Generator, Motors, Transformers and Switch Gears:

Qualifying Criteria: Vendor should submit at least two Electrical Diagnostic Tests work orders covering major tests mentioned in annexure-A (with completion certificates) which were executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

**EE.** Vibration Analysis of TG Sets:

Qualifying Criteria: Vendor should submit at least two vibration analysis and dynamic balancing work orders (with completion certificates) which were executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.

**FF.** HV Test of Generators of various capacities (Thermal sets upto 600MW & Hydro sets upto 200MW):

Qualifying Criteria: Vendor should submit at least two HV test of Generator work orders (with completion certificates) which were executed not before January 2015. Only direct work orders from BHEL/PSUs/State Electricity Boards/GENCOS/Multinational companies will be accepted. Work Completion certificate shall not be required in case of BHEL Orders.



## Bharat Heavy Electricals Limited

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Annexure-A

SL NO.	DESCRIPTION
<b>I</b>	<b>GENERATOR STATOR</b>
1	IR & PI test with 5 KV Microprocessor megger
2	DC winding resistance measurement.
3	Tan delta / Power Factor / Capacitance measurement
4	Computerized Digital ELCID test
	a. Turbo Generator
	b. Hydro Generator
5	Partial discharge Probe test OR Offline PD Analysis.
6	DC Leakage Current / Step Voltage test
7	Stator Slot Wedging system check (Wedge tightness mapping)
a.	By wedge deflection test if the ripple springs are installed
b.	By wedge knocking test (Wedge mapping)
8	RTD elements check (IR & DC resistance)
9	IR with 1000V DC source and amp mtr.
10	Natural Frequency Test on End Windings
11	Rated core flux test
<b>II</b>	<b>GENERATOR ROTOR</b>
1	IR
2	Digital RSO Test
3	AC Impedance measurement.
4	DC winding resistance measurement.
5	Voltage balance test
6	Purge Test
<b>III</b>	<b>EXCITER</b>
1	IR, DC winding resistance measurement
2	Pole Impedance test
3	Pole drop test
4	Diode wheel check
<b>IV</b>	<b>MOTOR (OPTIONAL)</b>
1	IR & PI test with 5 KV megger
2	DC winding resistance measurement.
3	Tan delta / Power Factor / Capacitance test
4	Offline Partial discharge / Corona Probe test
5	DC Leakage Current / Step Voltage test
6	Surge test
7	Automatic Online Motor Current Signature Analysis (EMPATH 2003)
<b>V</b>	<b>Generator LAVT components</b>
1	Tan delta & Capacitance test of Surge capacitors & LA's upto 12 KV AC.
2	CT & VT magnetization characteristics, resistance, IR measurement.
3	Ratio test of NGT, VT's & Phase angle error measurement of VT's.