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## TENDER SPECIFICATION

TENDER NO. BHEL:NR(SCT):PROJECT INSPECTION SERVICES:666

FOR

*Rate Contract for Project inspection services at BHEL-PSNR sites for Field Quality Assurance during Erection, Pre-Commissioning And Commissioning Stages Of Various Packages/ Equipments.*

### PART I – TECHNICAL BID



**Bharat Heavy Electricals Limited  
(A Govt. Of India Undertaking)  
Power Sector – Northern Region,  
Plot No. 25 , Sector - 16A ,  
Distt. Gautam Budh Nagar, NOIDA – 201 301.INDIA**



ISO 9001-2000, ISO  
14001 and OHSAS  
18001 certified  
company  
SubContract and  
Purchase Deptt.

**Bharat Heavy Electricals Limited**  
(A Govt. Of India Undertaking)  
**Power Sector – Northern Region,**  
Plot No. 25 , Sector - 16A ,  
Distt. Gautam Budh Nagar, NOIDA – 201 301.INDIA  
Phone: 0091-0120-2515476 / 2515464 / 2515479  
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TENDER NO. BHEL:NR(SCT):PROJECT INSPECTION SERVICES:666

**IMPORTANT NOTE**

PURCHASER OF THIS TENDER DOCUMENT IS ADVISED TO CHECK AND ENSURE COMPLETION OF ALL PAGES OF TENDER DOCUMENT AND REPORT ANY DISCREPANCY TIMELY FOR CORRECTIVE ACTION, IF ANY, TO THE ISSUING AUTHORITY BEFORE THE BIDS ARE SUBMITTED. ORIGINAL COPY OF TENDER DOCUMENT COMPLETE IN ALL RESPECTS MUST BE SUBMITTED BACK AS PART OF THE BID WITHOUT WHICH THE SAME IS LIABLE TO BE REJECTED BY BHEL.

THIS TENDER SPECIFICATION ISSUED TO:

M/S-----

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## TENDER NOTICE

Sealed tenders are invited from the contractors fulfilling qualifying requirements for the work of “Project inspection services at BHEL-PSNR sites for Field Quality Assurance during erection, pre-commissioning and commissioning stages of various packages/ equipments”.

**TENDER NO. BHEL:NR(SCT):PROJECT INSPECTION SERVICES:666**

### QUALIFYING REQUIREMENTS:

- 1.0 Tenderers who wish to participate should have executed Project Inspection Services for Field Quality Assurance for atleast 250 Manmonths during last Five years Period reckoned as on the date of bid opening. The tenderers shall submit work orders from clients in support of the same.**
- 2.0 Tenderer should also have an average annual turnover of minimum of Rs. 70 Lacs (Rupees Seventy Lacs only) during preceding three years (2006-07, 2007-08 & 2008-09). Tenderer shall submit audited balance sheet in support of above.**

### NOTES:

- (i) The Tender Documents comprise of following;  
(a) General Conditions of Contract (b) Special Conditions of Contract, Tender Notice, Project Synopsis etc. (c) Rate Schedule.
- (ii) Tender Documents with complete details are hosted on BHEL’s web page [www.bhel.com](http://www.bhel.com). Bidder(s) intending to participate may download the tender document from the web site. Bidder(s) downloading the tender documents from the web site, shall remit Rs.1000/- (Rupees One thousand only) in the form of crossed demand draft (non-refundable), in favour of BHEL, NOIDA along with their offer.
- (iii) Bidder(s) can also purchase hard copy of tender documents from this office. Tender documents (non transferable) will be issued on all working days between 09.30 Hrs. to 12.30 Hrs within the sale period i.e **upto 20.10.2009** on payment of Rs.1,000/- (non-refundable) either in cash or by crossed demand draft in favour of BHEL, NOIDA. Request for issue of tender document should clearly indicate Tender No. and work.
- (iv) Tenders must be submitted to the undersigned ‘OR’ to Shri Kailash Arora, Sr. Asstt. ‘OR’ to Smt. Usha Kochhar, Sr. Asstt. in Room No. 104, PSNR, NOIDA latest by **15:00 Hrs. on 20.10.2009**. Technical bids shall be opened at **15.30 Hrs. on 20.10.2009**. Tenders received after the due date & time shall be liable to be summarily rejected.

- (v) Earnest Money Deposit (EMD): Refundable, Non-interest bearing **EMD** of Rs 1,50,000/- shall be deposited by Account Payee Pay Order 'OR' Demand Draft in favour of " Bharat Heavy Electricals Limited" payable at Delhi/NOIDA . Those bidders who have already deposited ' One Time 'EMD' of Rs. 2,00,000/- with BHEL, PSNR, NOIDA need not submit EMD with the present tender.
- (vi) Tenders not accompanied with Full Earnest Money Deposit, as indicated above, will not be considered.
- (vii) **All corrigenda, addenda, amendments and clarifications to this Tender will be hosted in this web page and not in the newspaper. Bidders shall keep themselves updated with all such amendments.**
- (viii) BHEL reserves the right to accept or reject any 'OR' all tenders without assigning any reason whatsoever.
- (ix) BHEL takes no responsibility for any delay/loss of documents or correspondences sent by courier/post.
- (x) **BHEL reserves the right to go for a Reverse Auction instead of Opening the submitted sealed bid, which will be decided after technical evaluation. As such, the bidders should submit their best prices in the 'Sealed Price Bid'. However, bidders are required to confirm their acceptance of "General terms and conditions" governing RA specifically in their technical bid. The "General terms and conditions" governing RA are given in the SCC of the NIT. Bidders are also required to furnish following details in their techno-commercial bid, for this purpose (RA).**

Authorization of representative who will participate in the on line Reverse Auction Process;

1. Name and Designation of official
2. Postal Address (Complete)
3. Telephone Nos. (Land line & Mobile both)
4. FAX No.
5. E-mail address
6. Name of Place/State/Country, wherefrom he will participate in the RA

- (xi) Unsolicited rebate/discount shall not be accepted after bid opening.
- (xii) Purchase Preference will be given to Indian CPSUs as per Govt. Guidelines.

DGM/SCP



ISO 9001-2000, ISO  
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## TENDER NOTICE - NEWSPAPER

LAST DATE OF SALE: 20.11.2009

DUE DATE OF SUBMISSION: 20.11.2009 (15:00 Hrs.)

### **TENDER NO. BHEL:NR(SCT):PROJECT INSPECTION SERVICES:666**

Sealed tenders are invited from the contractors fulfilling qualifying requirements for “Rate Contract for Project inspection services at BHEL-PSNR sites for Field Quality Assurance during erection, pre-commissioning and commissioning stages of various packages/ equipments”.

#### **NOTES:-**

1. Purchase Preference will be given to CPSU as per Govt. Guidelines.
2. Please visit our website at [www.bhel.com](http://www.bhel.com) for complete details of the tender.
3. All corrigenda, addenda, amendments and clarifications to this Tender will be hosted on above web page and not in the newspaper. Bidders shall keep themselves updated with all such amendments.

**AGM/SCP**

**Bharat Heavy Electricals Limited**  
(A Govt. Of India Undertaking)  
**Power Sector – Northern Region,**  
**Plot No. 25 , Sector - 16A ,**  
**Distt. Gautam Budh Nagar, NOIDA – 201 301.INDIA**

**PROCEDURE FOR SUBMISSION OF SEALED TENDERS:**

The tenderers must submit their tenders as required in **two parts** in separate sealed covers **prominently superscribed as Part-I Technical bid and Part-II ,Price bid** also indicating on each of the cover tender specification no., date and time as mentioned in tender notice.

**TECHNICAL BID (COVER-I)**

Except **Price bid Part-II**, complete set of tender document consisting of General conditions of Contract, “Technical specification & Special terms and condition” ( Part-I) issued by BHEL shall be enclosed in **Part I Technical Bid only**. All schedules, data sheets and details called for in the specification shall also be submitted along with technical bid. All details / Data / Schedules including offer letter duly signed and stamped are to be **submitted in duplicate**.

**PRICE BID (COVER-II)**

Tenderers may please note that price bid is **to be submitted only in original copy** of Tender i.e. Price bid (Part-II) issued by BHEL and no duplicate copy of same is required.

These Two separate covers i.e. cover I & II shall together be enclosed in a **third envelope (Cover-III)** and this sealed cover shall be superscribed with tender specification No., due date, time and submitted to officer inviting tender as indicated in tender notice on or before due date as indicated.

**SPECIAL CONDITIONS OF CONTRACT**

**And Scope Of Work**

**TENDER NO. BHEL: NR(SCT):PROJECT INSPECTION SERVICES:666**

**For Providing**

**Field Quality Assurance Engineers (QAE) at BHEL-PSNR Sites**

**On**

**Rate Contract Basis**



**Bharat Heavy Electricals Limited  
(A Govt. Of India Undertaking)  
Power Sector – Northern Region,  
Plot No. 25 , Sector - 16A ,  
Distt. Gautam Budh Nagar, NOIDA – 201 301.INDIA**

## 1.0 **Scope of Work for Services of Field Quality Assurance Engineers at PSNR Sites.**

The scope shall include services of Field Quality Assurance Engineers (QAEs) at BHEL construction sites (in India) for discharging tasks as laid down in relevant Management Systems and procedures (like Quality Assurance Manual/ Standard Procedures/ Departmental Procedures pertaining to ISO 9001 etc.), approved field quality plan, check lists and general engineering practices pertaining to material, stage and final checks, non destructive testing etc. during erection, pre-commissioning and commissioning of various packages/equipments in the scope of BHEL.

### 1.1 Various packages/equipments for which services of QAEs is required, include but are not limited to broad areas of Constructions as given below:

#### 1.1.1 **Civil Works**

Civil Works generally consists of but is not limited to the following Structures/ Packages

- Main Power House (TG & AUX Building/ Service Building) , TG foundation, Boiler foundations, ESP foundations, Equipment and Machine foundations, Mill bay foundations and super structures, Transformer yard, Misc. foundations, pavements, Switchyard, Roads & Drainage etc.
- Auxiliary Buildings like Cooling Water Pump House, Raw Water Pump House, CW Duct, ESP Control Room, Chlorination Plant Building, Compressor House, DG Building, Clarified Water Pump House & Sump, Filtered Water Pump House, DM Make up Pump House, Administrative Building etc.
- Civil Works for BOP Package like Ash Handling Plant, Coal Handling Plant, Pre-Treatment Plant, DM Water Treatment Plant, Effluent Treatment Plant Building, Cooling Towers, and Chimney etc.

#### 1.1.2 **Fabrication & Erection of Steel Structures**

Fabrication & Erection of Steel Structures generally consists of but is not limited to the following

- Site Fabrication of Structures
- Erection of pre-fabricated and Site Fabricated Steel Structures

#### 1.1.3 **Erection & Commissioning of Boiler & Auxiliaries**

Erection & Commissioning Boiler & Auxiliaries generally consists of but is not limited to the following

- Boiler Supporting Structures
- Pressure Parts, ESP, Ducts & Dampers/ Gates
- Rotating Machines like Forced Draft Fan, Induced Draft Fan, Primary Air Fan
- Coal Mills, Coal Feeders, Air Pre-heater, Valves & Soot Blowers, Fuel Firing System
- High Pressure Piping etc.

#### 1.1.4 Erection & Commissioning of Electrical and C & I Systems

Erection & Commissioning Electrical and C & I Systems generally consists of but is not limited to the following

- Electrical Systems mainly consist of Power Transformers, Auxiliary Transformers, LT Switchgears, HT Switchgears, LT Bus Ducts, HT Bus Ducts, HT Motors, and Switchyard etc.
- C & I System mainly consists of field mounted instruments like transducers, transmitters, gauges etc., analyzers, control valves, electrical & pneumatic actuators, DDC/ PPC based control panels etc.

#### 1.1.5 Erection & Commissioning of Turbine, Generator and auxiliaries

This package mainly consists of but is not limited to erection and commissioning of Steam Turbine/ Gas Turbine, Generators, Heat Exchangers, Pumps, and LP Piping etc.

#### 1.2 Scope of work of QAEs, deployed at sites, for areas mentioned at 1.1 above shall include but will not be limited to the following

- 1.2.1 Witnessing on behalf of BHEL for sample checking of raw materials/inputs (consisting mainly of steel plates/steel sections/other steel material, cement, sand, stone chips, bricks etc.) as per related FQPs, procedures, IS and other national/international codes/standards. This shall include inspection of materials on receipt at site and verification of test certificates.
- 1.2.2 Witnessing, verification and approval of welders certification, in process and final inspections/tests including non destructive tests (which are generally performed by respective erection agency) as per approved Field Quality Plans (FQPs), applicable Manuals/ procedures and related IS and other national/international codes/standards.
- 1.2.3 Review of inspection & test reports for the checks which are not under witness category as per FQP and conducting periodical quality surveillance audits at various stages of erection & commissioning and finally on completion of work as per the approved field quality plans.
- 1.2.4 Collection and compilation of various log sheets/ test results/ reports for checks performed as at Sr. No. 1.2.1 to 1.2.3 above, certification/ authentication of test results/ reports, and submitting them to customer/ consultant in requisite format.
- 1.2.5 Conducting periodical quality surveillance audits at the site office of sub-contractors of BHEL to ensure for valid calibration of monitoring/ measuring instruments & devices and testing equipments.
- 1.2.6 Proper documentation and record keeping of Inspection data, log sheets, protocols, test certificates etc. as per BHEL quality systems.
- 1.2.7 Resolving site Quality problems on day to day basis. Rendering assistance during discussions among BHEL Erection/ Commissioning Engineers, Customers/ Consultants, and Vendors/ Sub-contractors in the event of corrective actions/ reworks related to the scope of work.
- 1.2.8 Planning and informing BHEL Erection/ Commissioning Engineers regarding requirement of testing arrangements etc. based on schedule of work-flow.

- 1.2.9 Coordination with sub-contractor, vendor, consultant/ customer on matters related to Quality including joint inspection/ checks wherever applicable and clearing of customer hold points.
- 1.2.10 Preparing and submitting periodic reports after scrutinizing the results about their findings, test results and making recommendation for corrective action during the course of the work.
- 1.2.11 Submitting Monthly Progress Report/ MIRs in requisite formats to BHEL Construction Manager and to BHEL Head Quality at BHEL-PSNR NOIDA.
- 1.2.12 Verifying bills of sub-contractors with regard to compliance of stipulated quality requirements based on inspection/ test reports.
- 1.2.13 Raising of Non- Conformance reports (Site Learning Reports- SLRs), Suggesting short term and long term remedial measures for rectification/ elimination of defects/ non-conformities observed at sites.
- 1.2.14 Undertaking and facilitating improvement activities and providing necessary support services to BHEL site management in preparation for ISO/ TQM/ HSE activities.
- 1.2.15 Any other work assigned from time to time.

## 2.0 **Qualifications, Experience & Medical/ Physical fitness of Quality Assurance Engineers**

### 2.1 Quality Assurance Engineers

#### 2.1.1 **Qualifications**

- 2.1.1.1 Quality Assurance Engineers (QAEs) deployed by contractor shall be qualified '**Engineering degree**' holders or qualified '**Engineering diploma**' holders with additional **ASNT/ ISNT level II certificate** in Radiographic Testing.
- 2.1.1.2 Depending upon the deployment and scope of work, branch of Engineering shall be Mechanical Engineering, Power Plant Engineering, Electrical Engineering, Civil Engineering, C&I Engineering

#### 2.1.2 **Experience**

Graduate Engineers shall have minimum 3 years experience and Diploma holders minimum 5 years experience. Depending upon the deployment, experience of QAEs shall include but not be limited to areas and details given below.

- 2.1.2.1 In general, the experience of QAEs shall be in the field of Quality Assurance, Inspection/ testing of Power Plant Equipments and in inspection and testing of areas pertaining to scope as mentioned at clause numbers 1.0 above.
- 2.1.2.2 Good knowledge of power plant products, product Quality Plans, field quality plans, codes, standards, statutory requirements, inspection and test procedures of Power Plant equipments and systems mentioned at clause 1.0 above including materials, various type of welding and their inspection & testing etc.
- 2.1.2.3 Knowledge of ISO 9001, ISO 14001, OHSAS 18001 standards, TQM
- 2.1.2.4 Hands on experience of
  - Preparing quality plans
  - Undertaking inspections of installation of power plant equipments (like fabrication, boilers, turbines, piping, MCC, electrical switch boards/

panels, transformers, cabling, C & I Systems, Civil structures etc.) in the areas as given at 1.0 above.

- Working on computers especially in MS Word & Excel.

### 2.1.3 Medical/ physical fitness

All QAEs deployment to site should be medically & physically fit to undertake inspection jobs at site.

## 3.0 Special Conditions of Contract

- 3.1 QAEs shall be governed by 'Confidentiality' clause. They shall not, in any manner, misuse the data/ information.
- 3.2 All drawings, specifications/ FQP/ QP and other relevant document/ data provided to QAEs for undertaking relevant tasks, shall be returned to BHEL after completion of job/ completion/ termination of contract. Such documents shall not be used by the QAEs for any purpose other than for the designated task.
- 3.3 All Quality Plans, data/ findings, inspection and other reports, test results, radiographs etc. generated/ used by the QAE shall be the property of BHEL. These cannot be published/ utilized or taken away by the QAE or any staff of the Contractor.
- 3.4 All measuring & testing Instruments/ equipments will be arranged by BHEL/ erection agency working at site. Quality Assurance Engineers shall undertake visual/ physical checking of instruments and co-relation with valid calibration certificates before using any measuring & testing instruments/ equipments. QAEs shall be responsible for use of calibrated MMDs.
- 3.5 Quality Assurance Engineers shall be fully responsible for the tasks undertaken by them, authenticity of the test results etc. They shall prepare documents, undertake inspections and submit the documents/ reports to BHEL in time without hindrance of work.
- 3.6 **Credentials of QAEs shall be approved by BHEL-PSNR and/ or its customer prior to their deployment to BHEL sites.** Bio-data of the candidate to be deployed along-with summary sheet of qualification (as per BHEL tender requirement) and copy of ASNT/ISNT level - II certificates of the candidate shall be submitted for approval. If required, contractor has to arrange for interview of the candidates by BHEL at no extra cost.
- 3.7 QAEs shall administratively report to Construction Manager and technically to Quality Head at PSNR HQ.
- 3.8 QAEs shall interact with vendor, customer/ consultant, erection agencies with regard to readiness of items to be inspected and other relevant Quality matters. They shall keep the Quality Head/ Construction Manager (as the case may be) apprised of all such discussions/ interactions on daily basis.
- 3.9 Reasonable office space with furniture for proper functioning of the Contractor's QAEs will be provided by BHEL free of any charges.

- 3.10 BHEL shall provide to the QAEs posted at sites following facilities free of charge**
- 3.10.1 Furnished bachelor accommodation (including free electricity and water supply), on sharing basis as available at respective site. In lieu of furnished bachelor accommodation on sharing basis, QAE can opt for self accommodation towards which BHEL shall additionally pay @ Rs 2000/- per Month.
- 3.10.2 Local transport (on shared basis) for attending duty at site.
- 3.10.3 To & fro travel expenses (as per actual including reservation/ supplementary charges etc) from place of start in India to Construction site shall be reimbursed by BHEL once in total deployment period. It shall be restricted to 2<sup>nd</sup> class AC train fare
- 3.10.4 All safety PPE equipments like Helmet, Safety Shoe etc
- 3.11 For any exigencies during execution of the contract, for requirement at any location other than place of work / site (for outstation tours only), if desired and instructed by BHEL Engineer, the contractor shall have to provide Quality Consultancy services by deputing its personnel from an existing site. In such a case, the contractor will however be reimbursed expenses incurred for such work for person deputed, as below.
- (a) Travel expenses at actual shall be paid (limited to 2AC to and fro train fare) with reservation / supplementary charges etc subject to furnishing details regarding ticket numbers, journey details, amount of fare etc.
- (b) Local conveyance charges (Actual bus / cycle rickshaw/auto rickshaw/ taxi fare for local journeys at out station) as permitted by the BHEL Engineer.
- (c) Daily allowances @ Rs.250/- per day
- (d) Lodging @ Rs.1000/- per day.
- (e) Postal / telegraphic / telephones charges, if any, subject to production of proof of having incurred such expenditure.
- The movement of Contractor's QAE outside construction site shall be subject to the prior approval of Head Quality or BHEL construction Manager.
- 3.12 QAEs shall follow working hours, number of working days per week and holidays as per norms and holiday list of BHEL office where they are deployed.
- 3.13 Each man day shall consist of 8 (eight hours) working hours excluding lunch break. However, at times work may continue round the clock including on Sundays and holidays and services of QAEs may be required beyond the normal working hours as decided by BHEL. No compensation, in any form, shall be given by BHEL for such over stays beyond normal working hours or working on Sundays and holidays.
- 3.14 Bidders shall have to provide the Project inspection services on a continuous (daily) basis. In the event of the bidder not providing the required services on any day or for any period, pro-rata recovery shall be made from the contractor's monthly bills for such period. For this purpose, each month shall be considered to be of 30 days.

- 3.15 The bidder shall give an undertaking that the particular "Field Engineer" being approved by BHEL and appointed by the bidder shall continue throughout the period of this contract. Further, during any planned absence, prior approval by the CM is mandatory.
- 3.16 **In case deputed QAEs goes on long leave (> 7 days) or leaves the services without informing BHEL, the contractor will have to make suitable alternative arrangements within 7 days of service interruption at his own cost, including travel expense. In case contractor fails to provide above-mentioned services as desired by BHEL, the latter shall have the right to hire such services from other agencies at the risk and cost of the contractor.**
- 3.17 Contractor shall ensure that payment and dues admissible to QAEs deployed are made by the last working day of every month, failing which BHEL reserves the right to make such payments and dues to QAEs. Such payments shall be back charged/ recovered from bills of the contractor or from security deposit/ bank guarantee. On demand by BHEL, pay roll sheet giving details of all payments made to QAEs, duly signed by contractor shall be furnished by the contractor.
- 3.18 BHEL reserves the right to terminate the above contract at any point of time without assigning any reason upon giving 15 days notice to the Contractor.
- BHEL reserves the right to regulate strength of deployment of contractor's manpower as per requirements and/or to short close the contract. In such eventuality, 15 days notice shall be given by BHEL to the contractor and payment shall be made for the completed months or part there of on pro-rata basis. No other compensation will be given by BHEL.
- 3.19 In case the performance of the QAEs is found to be unsatisfactory, his services shall be discontinued by BHEL and no payment shall be made against deployment of such unacceptable Engineer, from the date QAE has been notified as unsatisfactory. Replacement of such persons will have to be arranged by the contractor within 15 days.
- 3.20 In case QAEs are found to be indulged in malpractices, their services will be terminated with immediate effect without giving any notice. Also, in such cases, BHEL will have right to decide the payment to be given for services provided by such QAEs. Replacement of such persons will have to be arranged by the contractor within 15 days.
- 3.21 In case, the contractor fails to provide QAEs in time (due to absence of contractor's person, away from place of deployment); BHEL will have option to arrange the activities by other suitable agency. Additional cost of such agencies together with overhead charges as per BHEL policy will be borne by contractor, which shall be deducted from any sum payable to the contractor.
- 3.22 **The contractor shall arrange for medical facilities and insurance for his QAEs at their cost.**

### 3.23 Insurance

- 3.23.1 It shall be the sole responsibility of Contractor to take insurance policies for the QAEs against risks of accidents and injury while at work as required by the rules and make compensation if any as per Workmen's compensation Act.
- 3.23.2 If due to negligence and/ or non-observance of safety and other precautions by QAEs, any accident/ injury occur to any other person(s)/ public, the contractor shall pay necessary compensation and other expenses, if so decided by the appropriate authority.
- 3.23.3 The contractor will take necessary precautions and due care to protect any material/ equipment/ hardware etc., while in custody of their QAEs, from any damages/ loss till the same is taken over by BHEL/ returned/ handed over to BHEL or customer. BHEL reserves the right to recover loss from contractor, in case the damage/ loss is due to carelessness/ negligence on the part of QAEs of the contractor. In case of any theft, while in custody of contractor's QAEs, matter shall be reported to Police by the contractor immediately and copy of FIR and subsequent police investigation report shall be submitted to BHEL for taking up with insurance.
- 3.23.4 In case any surrounding property gets damaged due to negligence/ carelessness of contractor's QAEs, the contractor shall submit necessary documents for lodging insurance claim as required by BHEL. BHEL, however, reserves the right to recover deductible franchise and also unsettled portion of insurance claim from the contractor.

### 4.0 Tentative Deployment Plan

SI No	Site	QAE - Mech.	QAE - Civil
1	Anpara - D	2	1
2	Chabbra 1,2,3 &4	1	
3	Dadri - 6	1	
4	Farakka - 6	1	
5	GVK Govindwal	1	
6	Harduaganj 8 & 9	1	
7	Jhajjar 1,2 & 3	4	
8	Parichha 5 & 6	1	
9	Pragati , Bawana	1	1
10	GGSR	1	1
11	Dariba	1	
13	Bathinda R&M	1	
14	Ramgarh - III	1	

**Tentatively total 250 Man-months shall be deployed**

**Note :**

1. This deployment plan is indicative and for guidance and is not exhaustive.
2. During the contract period more areas of work can be included. Additional manpower as required shall be provided by the agency at the quoted rates.
3. The deployment of QAEs will vary as per actual requirement.
4. At particular site, all QAEs might not be required at the same time.
5. Deployment of QAEs shall be solely at the discretion of BHEL

**5.0 TIME SCHEDULE**

- 5.1 The contractor is required to provide manpower services within 15 days from the date of issue of letter of intent unless BHEL decides to fix any other later date. However, the actual date of deployment will be certified by BHEL Engineer.
- 5.2 **The period of contract is for 12 months from the date of letter of intent. However, BHEL has the option to renew the contract on the same rates, terms and conditions upto further period of one more year, which shall be reviewed and renewed at the end of initial contract period.**

**6.0 Mobilisation**

Mobilisation shall be within 15 days of LOI/ clearance/ intimation from BHEL.

**7.0 Mobilisation Advance**

No mobilization advance is payable in this contract.

**8.0 Price Variation Clause/ Revision of Rates**

The accepted rates shall remain firm throughout the execution period including extension period (if any) and no escalation/ revision shall be payable.

**9.0 Terms of payment**

- 9.1 Based on man months deployed and certification **by Construction Manager at site**, monthly payment will be made to the contractor on pro-rata basis.
- 9.2 It shall be the responsibility of contractor to obtain and submit certificate from BHEL authority regarding deployment of claimed man month.
- 9.3 Period between 25<sup>th</sup> of the last month to 24<sup>th</sup> of the current month shall constitute to be one month. The contractor shall submit the bill along with certification (as mentioned above) latest by 30<sup>th</sup> of calendar month to BHEL Site office.
- 9.4 Deductions, if any, shall be made by BHEL from the monthly bill and payment made within 30 days by respective BHEL office subject to correctness and completeness of the bill.
- 9.5 Payment shall be released by BHEL on monthly basis against invoices raised by vendor to BHEL with certified time sheets.
- 9.6 Payments shall be made by cheque or bank transfer.

## 10.0 Site Visit

The Bidder shall acquaint themselves with the geographical and climatic condition etc. of the project Sites mentioned in the tender before quoting and apprise themselves of all prevailing conditions at the project sites.

## 11.0 Taxes and duties

11.1 **Income tax & surcharge**, if any at prevailing rates shall be deducted from the bills unless Exemption Certificate from appropriate Income Tax Authority is furnished.

11.2 **Rate quoted shall be exclusive of service tax.** The service tax, as legally leviable & payable by the contractor under the provisions of applicable law/act, shall be paid by BHEL as per contractor's bill. However, contractor shall have to submit proof of service tax deposited by them immediately after the deposit but not later than the next bill submitted after the due date of deposit. The contractor shall furnish proof of Service Tax registration with Central Excise Division covering the services covered under this contract. Registration should also bear endorsement for the premises from where the billing shall be done by contractor on BHEL for this contract. The contractor shall obtain prior approval of BHEL before billing the service tax amount.

## 12.0 Health, Safety & Environment management (HSE)

BHEL-Power Sector(NR) is ISO 9001-2000, ISO 14001-1996, OHSAS 18001-1999, BS 7799 and SA-8000 certified company. Quality of work, to customer's satisfaction and system requirements is the essence of these certifications. The contractor in all respects will organize his work, systems, environment, process control documentation, tools, plant, inspection, measuring and testing equipments etc. as per instructions of BHEL engineer.

The Contractor will be responsible for Health, Safety & Environment management (HSE) at site for the inspection activities to be carried out by them in accordance with requirements given under section I (a) of GCC and elsewhere in this tender document. The contractor, who is awarded the work, shall have to sign an MOU w.r.t implementation of HSE conditions with BHEL.

In case of violations of safety requirements, the Contractor shall be liable for a penalty of Rs. 200/- for the first violation and Rs. 500/- for the subsequent violations. For serious lapses, as decided by BHEL Engineer, fines upto Rs. 5000/- at a time can be imposed.

12.1 In order to meet the environmental concerns it is expected that the contractor shall plant and maintain at least 100 trees in the vicinity of the project as per advise of Engineer. In case no area is earmarked for tree plantation the contractor may take up any other equivalent environment related project after due approval of the Engineer.

### 13.0 SECURITY DEPOSIT

- 13.1 The contractor shall submit Security Deposit within 15 days from the date of issue of LOI as per clause no. 16.2 of the General Conditions of Contract (GCC). In case the contractor opts to furnish Bank Guarantee as a part of Security Deposit, the BG shall be issued as per the Performa enclosed as per Annexure-H of the GCC and also that the BG should be issued preferably through any of the Member Banks listed in the GCC;

For BG through any other Nationalized Bank (Not covered in the list of Member Banks of GCC), the discretion of its acceptance shall lie solely with BHEL.

**Proportionate Security deposit shall be released by individual project sites against the proportionate contract value awarded for that project site**

**ANNEXURE-I**

**NON DISCLOSURE AGREEMENT**

**Memorandum of Understanding**

BHEL PSNR is committed to Information Security Management System as per Information Security Policy.

M/s.....

providing.....service to BHEL PSNR, Noida hereby undertake to comply with the following in line with Information Security Policy of BHEL PSNR;

- To maintain confidentiality of documents & information which shall be used during the execution of the Contract.
- The documents & information shall not be revealed to or shared with third party which shall not be in the business interest of BHEL PSNR.

(  
M/s. BHEL, PSNR )

(  
M/s..... )

**ANNEXURE-II**

**FORMAT FOR E-PAYMENT DETAILS : - BHEL-PSNR-NOIDA**

(To be given in Company letterhead)

Beneficiary Name :

Bank Name & Branch :

M ICR Code (9 Digit) :

IFSC CODE :  
(VALID FOR NEFT)

Beneficiary Account No. :

Beneficiary E-mail ID :  
(for payment confirmation)

**ANNEXURE-III****GENERAL TERMS AND CONDITIONS OF REVERSE AUCTION (RA)**

Against this enquiry for the subject item / system with detailed scope of supply as per our tender specification, BHEL-PSNR, NOIDA may resort to "REVERSE AUCTION PROCEDURE" i.e. **ONLINE BIDDING on INTERNET**.

1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
2. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on Internet.
3. In case BHEL decides to conduct reverse auction, BHEL's service provider shall contact the vendor directly and impart them the training.
4. Business rules like event date, time, start price, bid decrement, extensions, etc. also will be communicated through service provider for compliance.
5. Vendors have to fax the compliance form in the prescribed (provided by service provider) before start of Reverse auction. Without this the vendor will not be eligible to participate in the event.
6. **Total Price quoted shall be inclusive of all taxes except service tax in line with the NIT conditions for the subject work in Indian Rupees (INR), which is to be worked out as per the BOQ (Rate Schedule) given in tender enquiry and subsequent changes made, if any. EXCEL Sheet shall be provided, if applicable.**
7. Reverse auction will be conducted on schedule date & time.
8. At the end of reverse auction event, the lowest bidder value will be known on the network.
9. The lowest bidder has to fax the duly signed filled-in prescribed format as provided on case-to-case basis to BHEL through service provider within 24 hours of auction without fail.
10. Any variation between the on-line bid value and signed document will be considered as sabotaging the tender process and will invite disqualification of vender to conduct business with BHEL as per prevailing procedure.
11. In case BHEL decides not to go for Reverse auction procedure for this tender enquiry, the price bids and price impacts, if any already submitted and available with BHEL shall be opened as per BHEL standard practice.

**ANNEXURE -IV****AUTHORIZATION OF REPRESENTATIVE WHO WILL PARTICIPATE IN THE ON  
LINE REVERSE AUCTION PROCESS**

1	NAME & DESIGNATION OF OFFICIAL	
2	POSTAL ADDRESS (COMPLETE)	
3	TELEPHONE NOS. (LAND LINE & MOBILE BOTH)	
4	FAX NO.	
5	E-MAIL ADDRESS	
6	NAME OF PLACE/ STATE/ COUNTRY, WHEREFROM S/HE WILL PARTICIPATE IN THE REVERSE AUCTION	

**ANNEXURE - V**

**FORMAT OF UNDERTAKING**

(To be submitted in the bidder's letter head)

REF:

Dt.

**Bharat Heavy Electricals Limited  
Power Sector – Northren Region,  
Plot No. 25 , Sector - 16A ,  
Distt. Gautam Budh Nagar,  
NOIDA – 201 301(INDIA)**

**Sub.: Tender for “Rate Contract for Project inspection services at BHEL-PSNR sites for Field Quality Assurance during erection, pre-commissioning and commissioning stages of various packages/ equipments”**

Dear Sirs,

With reference to above, this is to confirm that as per tender conditions, we have visited site before submission of our offer and noted the job content & site conditions etc.

We also confirm that we have not changed / modified the tender documents as appeared in the website and in case of observance at any stage, it shall be treated as null and void. We hereby confirm that we have not taken any deviation from tender clauses together with other references as enumerated in the above referred NIT and confirm our acceptance to reverse auctioning process and we hereby convey our unqualified acceptance to all terms and conditions as stipulated in the tender and NIT. In the event of observance of any deviation in any part of our offer at a later date whether implicit or explicit, the deviations shall stand null & void.

We confirm to have submitted offer strictly in accordance with tender instructions.

Thanking you,

Yours faithfully,

(Signature, date & seal of authorized  
representative of the bidder)

**RATE SCHEDULE**

Sl. No.	Particulars	Total Man-months (A)	Rate in Rs. Per QAE per Month (B)	Amount in Rs. (A) X (B)
1.	RATE IN Rs. PER Quality Assurance Engineer(QAE) PER MONTH for providing Services of Quality Assurance Engineers at site	250		

**NOTE:**

- a) Quantity indicated against Sl. No. 1 is tentative and is liable to vary depending upon the site requirement.
- b) In case of discrepancy, only 'Unit Rate' shall be considered for evaluation and award.
- c) Accordingly taking into consideration all aspects thereof quoted above rates, further contractor confirms that he will not come with any other claim/compensation on account of any increase whatsoever during the entire period of execution including extended period if any.
- d) The rate shall be entered in figures as well as in words. In case of difference in rates between words and figures, the lesser of the two will be treated as valid rate.

(Seal and Signature of Tenderer)