

**SPECIAL TERMS & CONDITIONS**

**SUPPLY & SERVICES OF 400kV GIS AND ASSOCIATED EQUIPMENTS  
FOR HPGCL YAMUNA NAGAR PROJECT**

**BHEL NIT  
Terms and conditions**

**Project: 400kV GIS/220kV AIS Switchyard at 1\*800 MW Ultra Supercritical Expansion Unit, Deen Bandhu Chhotu Ram Thermal Power Plant (DCRTPP), Yamuna Nagar, Haryana, India**

**Customer: Haryana Power Generation Corporation Limited**

**Tender due date:  at**

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1. In case any discrepancy between the requirements mentioned under special terms & conditions and general terms & conditions, special terms and conditions shall prevail.
2. For any technical clarification, kindly contact **Ms. Shobhna Singh, DGM (TBEM)**  
BHEL, Transmission Business Group  
5Th Floor, Plot No: 25, Sector-16A, Noida-201301, UP, India  
Phone: +91 (0) 0120- 2218916  
E-mail: [shobhna@bhel.in](mailto:shobhna@bhel.in)
3. For any commercial clarification, kindly contact **Sh. Gaurav Agarwal, Sr. Manager (TBMM);**  
BHEL, Transmission Business Group  
5Th Floor, Plot No: 25, Sector-16A, Noida-201301, UP, India  
Phone: +91 (0) 0120- 2218840  
E-mail: [gaurav.agarwal@bhel.in](mailto:gaurav.agarwal@bhel.in)
4. **Bidder to submit offer directly to NIC portal (<https://eprocurebhel.co.in/nicgep/app>).** Bidder may also visit <https://www.bhel.com>. No other mode for submission of tender is acceptable. Part-I Bid submission end time and Bid opening time on the opening date shall be 11:00 Hrs and 16:00 Hrs respectively.
5. **PROPOSED DELIVERY PLAN: Supply of GIS within 12 Months from the date of placement of Purchase Order (PO)/ Letter of Intent (LOI) and subsequent supervision during ETC within 09 months.** Vendor to examine their best possible delivery plan & mention in **ACTIVITY SCHEDULE**. The same shall be submitted along with commercial offer duly signed and stamped by authorized person. In case, BHEL's delivery requirement is not met by vendor(s), then a chance may be given to all such vendors to review their quoted delivery schedule in line with BHEL's delivery requirement.
6. **PRICE ADJUSTMENT/PRICE BASIS:** Firm. PV is not applicable.
7. **Permissible Technical & Commercial Deviations:** No permissible technical & commercial deviation has been envisaged. Bidder to strictly follow the same, else offer is liable for rejection. Formats for compliance are enclosed.
8. **Type of tender:** This tender is an open tender but not a global tender and only **CLASS-I** suppliers as defined under the DPIIT order no. P-45021/2/2017-PP (BE-II) dated 04.06.2020 **are eligible to bid in this tender. Bids received from CLASS-II & Non-Local supplier shall be rejected.**
9. **Compliance of General Financial Rules (GFRs):** Please refer clause mentioned at **Annexure-1** and Certification at **Annexure-2 / Annexure-3** (whichever is applicable) regarding restrictions under Rule 144 (xi) of General Financial Rules (GFRs), 2017. Bidder to comply with the clause and submit the certification. Non-compliance/ Non-submission of certification will lead to rejection of Offer.
10. **Mandatory tender documents:** Bidder shall submit the following documents along with commercial offer. Bidder to strictly follow the same else offer is liable for rejection.

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- **Compliance of General Financial Rules (GFRs): Annexure-2 or 3** (whichever is applicable).
- **Local content certificate<sup>#</sup>:** The Class-I local supplier at the time of tender, shall be required to indicate percentage of local content and provide self certification (as per enclosed format A1) that the item offered meets the local content requirement for 'Class-I local supplier'. Supplier shall also give details of the location(s) at which the local value addition is made.
- **MoP (Ministry of Power) compliance:** Bidder to comply the MOP circular dated 02-07-2020 and its subsequent amendment, if any, in prescribed format (**Annexure-B**). Non-compliance/ Non-submission will lead to rejection of Offer.
- **Integrity pact:** Format is enclosed as **Annexure-C**.

**#** In case of award of job, supplier shall be required to provide the Local content certificate (as per **Annexure-A2**) from the statutory auditor or cost auditor of the company giving the percentage of local content, within 30 days of ordering by BHEL and in case of defaults, penalty upto 10% of the contract value shall be imposed. However, contract once awarded shall not be terminated on this account.

11. **Quantity Variation (Clause No. 39 of GTC):** BHEL shall have the right for variation in quantities of items **up to any extent** before/at the time of placement of order and within **± 20%** of the total Purchase Order / Contract value on overall basis during Contract execution stage for all amendments together within TWO years from the date of original Purchase Order or till completion of supplies, whichever is earlier. The quantities of individual items may vary up to any extent or may get deleted unless otherwise specified in the technical specifications. No compensation is payable due to variation in the quantities and the Supplier / Contractor shall be bound to accept the same at the contracted prices / rates. PO amendment due to optional items (unit reference items for addition/deletion), if required, shall be in addition to the above variation clause.
12. **PRE-QUALIFYING REQUIREMENT:** Bidder must comply the following, else the offer is liable for rejection.  
Technical PQR (**Annexure-G**), as attached with technical specification. **Documents required for PQR shall be submitted along with the offer.**

Financial PQR as under;

Bidder should have a minimum average audited annual turnover / Sales Value of INR 21 Crs for the three financial years 2022-23, 2023-24 & 2024-25 and shall submit Audited Profit & Loss Account and Balance Sheet as proof of Average Annual Turnover. The Financial statements must be signed by the owner and the auditor. Auditors seal, Name, Membership No., Firm Registration No. & firm name (if applicable), UDIN and the capacity in which he is signing (Proprietor/Partner), must be mentioned on the Profit & Loss A/c and Balance Sheet.

Bidder must not be admitted under Corporate Insolvency Resolution Process or Liquidation as on date, by NCLT or any adjudicating authority/authorities, and shall submit undertaking (Annexure-D) to this effect.

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**Note:**

- (1). Bidder must submit all supporting documents along with their offer. No deviation against this enquiry is acceptable, else offer shall be rejected.
- (2). All documents (including third party documents/supporting documents) in language other than English, certified translated copy in English language should also be furnished.
- (3). Offers will be scrutinized based on the qualifying requirements and only those who are technically and financially capable to execute the job and who fulfil the prequalifying requirements (PQR) are eligible to quote against above NIT.

**13. IMPORTANT INSTRUCTION TO BIDDER – I;**

- a. **PRE-BID MEETING:** Pre-bid meeting will be conducted within 3-7 working days after floating of NIT.
- b. **OPENING OF BIDS (PART-I & II):** Bids shall be opened through e-procurement portal.
- c. **PROJECT STATUS:** Domestic.
- d. **CUSTOMER APPROVAL:**
  - Bidder should be approved by HPGCL and approved bidder to submit their approval letter of HPGCL, if any.
  - Bidder(s) who are not approved by HPGCL, needs to submit complete credential (as mentioned below but not limited to) along with techno-commercial bid for approval from HPGCL & placement of order is subject to approval of HPGCL-
    1. Performance Certificates
    2. Supply Experience
    3. ISO Certificate
    4. Balance Sheet (preferably last 3 years)
    5. Any other document (if required, as per Customer)

Final acceptance of technical qualified vendor for placement of order is subject to approval of HPGCL. Price bid opening of offers is also subject to vendor approval from HPGCL.

**e. REGARDING VENDOR ACCEPTANCE:**

- *The GIS manufacturer must meet the techno-commercial Qualification requirement as stipulated in technical specification and any subsequent amendment.*
- *The GIS manufacturer must not be Banned or Delisted or Black Listed by any Government Department / Public Sector Undertaking on due date of submission of bid. The bidder will give a written confirmation in this regard along with the bid.*

**f. PLACEMENT OF ORDER:**

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PO/LOI shall be placed on the lowest evaluated bidder (L1 bidder) for i) GIS main equipment, ii) mandatory spares and iii) maintenance equipment, tools & tackles (as applicable). Evaluation shall be done based on overall quantity appearing in the price schedule as per NIT. Total price consideration for this purpose shall include the prices quoted by the bidder against the scope of work as mentioned in NIT along with applicable taxes & duties, and other services etc. (if applicable). GST input credit available to BHEL shall be reduced from prices while determining L1 status.

Price breakup/ Billing Break-up (including mandatory spares), if any, required during execution of project shall be done only for the accounting purpose and must be derived that maintains a logical and consistent relationship with the original quoted prices.

**Note-** In PO, Unit reference items (supply & services) shall be mentioned under Terms and conditions as "Optional Items". In case of requirement of these items for any addition/deletion, same shall be confirmed through suitable PO amendment.

- g. **INLAND FREIGHT & INSURANCE:** Supplier must ensure availability of their authorized person at site/store for supervision of unloading for every LOT dispatched by the supplier. The Freight & Insurance, to be paid by vendor on behalf of BHEL, will be reimbursed on submission of requisite documents. Proof of transit insurance should be submitted along with dispatch documents.

**Note:** Transit Insurance policy shall be in Bidder's scope and that should also have a provision of 30 days extended cover at site/ store. **Place of store is HPGCL's Yamuna Nagar project site / store.**

- h. **MQP Requirement:** As per specification.

- i. **GeM ID seller:** GeM seller ID is mandatory for the bidders and must be mentioned in their offer. In case at the time of submission of offer GeM seller ID is not available with bidder, then successful tenderer should ensure to have GeM Seller ID prior to award of contract. Department of Expenditure (DOE) OM no. 6/9/2020-PPD dated 24.08.2020 may be referred in this regard.

#### 14. IMPORTANT INSTRUCTION TO BIDDER - II;

- a. Packing as per specification is applicable. However, bidder to ensure proper packing to avoid any damage & packing of spares should be separated.
- b. BHEL /Customer or both may witness the inspection as per approved QAP.
- c. The unit prices of Supply and Services for addition/ deletion (i.e. optional items) and type test charges (if applicable), as mentioned in BOQ of section-1 of technical specification shall be considered for evaluation.
- d. Order shall be awarded on Ex- works basis for Indigenous bidder. F&I shall be done by vendor on behalf of BHEL.
- e. Unloading of material at site is not in the scope of bidder.
- f. The deputation of manpower for supervision of Erection, Testing & Commissioning shall be done within 14 days of intimation by BHEL. The vendor shall submit a check list mentioning the pre-

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requisite conditions required to be fulfilled by BHEL site for starting the site activities. Upon compliance of the pre-requisite conditions as per check list and intimation to the vendor, the vendor shall depute the required manpower to site within 14 (fourteen) days of intimation.

- g. The bidder has to ensure that the spare parts should be available for minimum 10 years from the date of commissioning.

15. **VALIDITY OF OFFER (Clause no.14 of GTC):** The offer shall be valid for 180 days from date of opening of techno-commercial bids. In case an extension of bid validity is required, the Bidder may, upon request, consider extending the validity period for a mutually agreed duration, without any change to the commercial terms and conditions.

16. **DEFECT LIABILITY PERIOD (GUARANTEE SPECIFIC CLAUSE):** The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design & engineering, material, workmanship & manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications & approved drawings / data sheets, if any for 18 calendar months commencing immediately upon successful completion of Trail Operation.

**Note:** The defect Liability period shall start from the date of completion of Trail Operation. The scheduled date of completion of Trail Operation as per Contract is 48 Months from the 'Zero' date (Zero Date is 08-02-2024). However, date of actual completion of Trail Operation may be different during Contract execution stage, hence the defect liability period will start from the date of actual completion of Trail Operation and accordingly the performance security to be extended by the vendor time to time till ninety (90) days beyond the actual Defect Liability Period.

The defective equipment/ material/ component shall be replaced free of cost at site. All sorts of expenses in respect of replacement during guarantee period including but not limited to transportation cost (Freight & Insurance), all taxes including GST as applicable, dismantling and re-erection of the replaced equipment / material / component, manpower cost etc shall be to supplier's / contractor's account. All replacements during the guarantee period shall be delivered at site promptly and satisfactorily within a period not more than 45 days (or any other time period informed by BHEL, without affecting the project completion schedule) from the date of reporting the defect / rejection etc.

In the event of the supplier / contractor failing to replace the defective equipment / material / component within the time period mentioned above, the same shall be considered as breach of the contract and BHEL may proceed as per provision mentioned in this NIT without prejudice to any other rights under the contract.

If the Facilities or any part thereof cannot be used by reason of any defect and/or making good of such defect, then upon correction of the defects in the Facilities or any part thereof by repair/replacement, such repair/replacement shall have the Defect Liability Period extended by a period of Twelve (12) months from the time such replacement/repair of the facilities or any part thereof.

Note- Notes as mentioned in GTC shall be applicable.

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#### **17. LATENT DEFECT Liability (Clause no. 6 of GTC):**

At the end of the Defect Liability Period, the vendor's Liability ceases except for latent defects. The vendor's liability for latent defects warranty shall be limited to a period of Five (05) years from the end of Defect Liability Period. For the purpose of this clause, the latent defects shall be the defects inherently lying within the material or arising out of design deficiency, which do not manifest themselves during the Defect Liability Period.

#### **18. Liquidated Damages clause (Clause no. 13 of GTC):**

LD shall be levied for delay in execution of Purchase Order as per below:

In case of delay in execution of Purchase Order beyond the contractual delivery time, an amount of 0.5% of the total Purchase Order value\* per week of delay or part thereof subject to a maximum of 7.5% of the total Purchase Order value\* shall be deducted as Liquidated Damages (LD).

The vendor agree that the sum specified above is not a penalty but a genuine pre-estimate of the loss/damage which will be suffered by the BHEL for default on the part of the Vendor and said amount will be payable without proof of actual loss or damage caused by such default.

The vendor shall submit a check list mentioning the pre-requisite conditions required to be fulfilled by BHEL site for starting the site activities. Upon compliance of the pre-requisite conditions as per check list and intimation to the vendor, the vendor shall depute the required manpower to site within 14 (fourteen) days of intimation. After reaching at site, the vendor representative will prepare a joint Minutes of meeting with BHEL site in which it will be mentioned that BHEL has completed the pre-requisite conditions as per check list and GIS erection, testing & commissioning activities can be started from the specified date. This date will be taken a start date/ zero date for start of GIS erection testing & commissioning activities.

The BHEL may, without prejudice to any other method of recovery, deduct the amount of such damages from any monies due or to become due to the Vendor. The payment or deduction of such damages shall not relieve the Vendor from his obligation to complete the Works, or from any other of his obligations and liabilities under the Contract.

Note:

- 1) LD shall be calculated as per activity schedule of NIT.
- 2) In case of Services, delays (if any) shall be certified by concern site in-charge.
- 3) \* Total Purchase Order Value for considering Liquidity Damages (LD)= Total Ex-works +F&I +Total Service charges (excluding GST).

#### **19. PERFORMANCE SECURITY (Clause No. 07 of GTC):**

**A)** To ensure due performance of the contract, Supplier shall arrange to submit Performance Bank Guarantee (PBG) or Security Deposit (SD), hereafter referred as Performance Security to

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BHEL, on a non-judicial stamp paper of appropriate value within 28 days from placement of Purchase Order (PO)/ LOI, of an amount equivalent to **10% (Ten percent)** of the PO Ex-works value, with a validity of upto 90 (ninety) days beyond the date of completion of all contractual obligations of the supplier, including warranty obligations. The same shall be extended by the vendor time to time till 90 (ninety) days beyond the actual Defect Liability Period, as may be required under the Contract.

BG for Main supply items, Maintenance equipment and Spares shall be submitted separately.

Bidder agrees to submit performance security required for execution of the contract within the time period mentioned above. In case of delay in submission of performance security, enhanced performance security which would include interest (Repo rate + 4%) for the delayed period, shall be submitted by the bidder. While the base Performance Security is refundable upon successful completion of contractual obligations, the enhanced interest component will be retained/recovered by BHEL and will not be returned to the vendor. Further, if performance security is not submitted till such time the first bill becomes due, the amount of performance security due shall be recovered as per terms defined in NIT/Contract, from the bills along with due interest.

#### **Modes of deposit:**

Performance security may be furnished in the following forms:

- Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. Bank Guarantee shall be submitted as per BHEL format and from the list of banks as enclosed.
- Insurance Surety Bond.

#### **Important Notes:**

- The performance security should remain valid for a period of 90 days beyond the date of completion of all contractual obligations of the supplier including warranty/Guarantee obligations.
- Performance security shall be refunded to the vendor without interest, after he duly performs and completes the contract in all respects but not later than 90(sixty) days of completion of all such obligations including the warranty under the contract.
- BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith.
- The Performance Security shall not carry any interest.
- Value of the Bank Guarantee (at the time of submission) shall remain unchanged for any subsequent variations in Purchase Order value up to  $\pm 20\%$ . Beyond this variation of  $\pm 20\%$ , the Supplier shall arrange to enhance or may reduce the value of the Bank Guarantee accordingly for the total variation promptly.
- In case delay in submission of Performance BG, enhanced Performance BG which would include interest (Repo rate + 4%) for delayed period to be submitted.

#### **Forfeiture of performance security:**

The performance security will be forfeited and credited to BHEL's account in the event of a Breach of contract by the vendor.

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20. **PRICE BID FORMAT:** Bidder to quote their best prices strictly in BHEL's prescribed format of NIT, else their offer shall be liable to be rejected. Bidder has to mention "quoted" (in each applicable cell) in UN-PRICED BID. In case that cell is Not Applicable, "NA" must be mentioned in that particular cell. Prices shall be mentioned in Price bid schedule only. In case during detailed engineering stage, wherever, it is mentioned as NA (not applicable), is to be supplied, bidder shall supply the same without any cost and delivery implication to BHEL.

21. **REVERSE AUCTION (clause no. 33 of GTC)- APPLICABLE**

Reverse Auction (RA) shall be conducted for this tender enquiry. Latest guidelines of BHEL shall be applicable & same are available on [www.bhel.com](http://www.bhel.com). Non-acceptance to participate in RA may result in non-consideration of their bids.

22. **TERMS OF PAYMENT: (i) clause no 3.1 to 3.5 - of GTC are not applicable in this NIT:-**

**(ii) Following clause shall be applicable in place of existing clause no 3.2,3.5 of GTC;**

**3.2 For supply & supervision works in scope of the supplier;**

**22.A.1:**

**Interest Bearing Advance (Optional\*):**

Two and half percent (2.5%) of the Total Ex-works price component of Main Equipment/Materials (excluding Mandatory Spares) shall be paid as an interest-bearing initial advance after placement of Purchase Order within 45 days for MSE, 60 days for Medium and 90 days for non- MSME, from the date of submission of:

- (a) Acknowledgement and acceptance of PO by vendor,
- (b) Invoice,
- (c) An unconditional & irrevocable Bank Guarantee in favour of the BHEL for 110% (one hundred ten percent) of the amount of Advance,
- (d) Performance Bank Guarantee in line with STC Clause 19.

Provided further that the Invoice for advance payment along with all supporting documents is submitted by the Vendor to the BHEL within 3 months from the date of Purchase Order. In case the Vendor does not submit the requisite documents including applicable Bank Guarantee(s) within the aforesaid period, the advance shall not be payable. The Vendor shall, within 7 days from the date of receipt of Advance, furnish an Advance Receipt Voucher to the BHEL, as prescribed under the GST Law.

**Note:** \* This payment is an optional payment. The Vendor has the option of taking the interest-bearing initial advance or otherwise.

Interest rate applicable on advance payment to the Vendor shall be shall be the repo rate (on the date of release of advance) plus 4%. The interest rate shall be valid till the advance amount is fully repaid. Recovery of advances along with the interest shall be made from the first bill to the maximum extent possible and balance amount (if any) in subsequent bill. It is the BHEL's understanding that as per extant provisions, GST is not payable on interest paid on the amount of Advance. The Vendor is, however, advised to check the position from their own sources. If

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payable, the same shall be to the Vendor's account and BHEL shall not reimburse any GST on this account.

Further, the Vendor shall submit the certificate of Tax Deduction at Source (TDS) on interest within 3 months from the end of the quarter in which adjustment of advance has been made for claiming refund from BHEL. No claim for refund will be entertained after end of the aforesaid period of 3 months. Further, while submitting the TDS Certificate the details of PO No, Project, Quarter etc to which the TDS certificate pertains, shall also be submitted tallying the amount with the TDS Certificate.

Bank Guarantee to be submitted against 'Advance' shall be initially valid for 12 months from the date of submission of Invoice. In case of recovery of 'Advance' is not completed before expiry of Bank Guarantee, BG shall be kept suitably extended till complete recovery of 'Advance'. The Bank Guarantee shall, however, be released within one month after complete recovery of 'Advance'.

**In case, the Vendor opts not to take interest bearing advance as above, it would be mandatory for him to submit the document listed at Sl. No. (d) above within twenty-eight (28) days of issuance of PO as per clause 19 of STC.**

#### **22.A.2.**

##### **Interest Bearing Engineering Advance (Optional\*\*):**

Further advance of Two and half percent (2.5%) of the Total Ex-works price component of Main Equipment/Materials (excluding Mandatory Spares) shall be paid as an interest-bearing interim advance within 45 days for MSE, 60 days for Medium and 90 days for non- MSME, from the date of fulfilment of following:

- a) Issuance of 1st MFC by BHEL.
- d) Detailed Invoice
- c) Submission of an unconditional & irrevocable Bank Guarantee in favour of the BHEL for 110% (one hundred ten percent) of the amount of Interim Engineering Advance.

The Vendor shall, within 7 days from the date of receipt of Advance, furnish an Advance Receipt Voucher to the BHEL, as prescribed under the GST Law.

**Note: \*\*** This payment is an optional payment. The Vendor has the option of taking the interest-bearing Engineering advance or otherwise.

Interest rate applicable on advance payment to the Vendor shall be the repo rate (on the date of release of advance) plus 4%. The interest rate shall be valid till the advance amount is fully repaid. Recovery of advances along with the interest shall be made from the first bill to the maximum extent possible and balance amount (if any) in subsequent bill. It is the BHEL's understanding that as per extant provisions, GST is not payable on interest paid on the amount of Advance. The Vendor is, however, advised to check the position from their own sources. If payable, the same shall be to the Vendor's account and BHEL shall not reimburse any GST on this account.

Further, the Vendor shall submit the certificate of Tax Deduction at Source (TDS) on interest within 3 months from the end of the quarter in which adjustment of advance has been made for claiming refund from BHEL. No claim for refund will be entertained after end of the aforesaid period of 3 months. Further, while submitting the TDS Certificate the details of PO No, Project,

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Quarter etc to which the TDS certificate pertains, shall also be submitted tallying the amount with the TDS Certificate.

Bank Guarantee to be submitted against 'Advance' shall be initially valid for 12 months from the date of submission of Invoice. In case of recovery of 'Advance' is not completed before expiry of Bank Guarantee, BG shall be kept suitably extended till complete recovery of 'Advance'. The Bank Guarantee shall, however, be released within one month after complete recovery of 'Advance'.

#### **22.A.3:**

65%^ of Total Ex-Works price component of Main Equipment/Materials (70% for Mandatory Spares) along with 100% GST and 100% F&I Charges payment shall be paid progressively within- 45 days for MSE, 60 Days for Medium scale Enterprises and 90 days for non-MSME, from the date of receipt of GST-compliant Invoice along with documents as per PO check-list in 1 set as follows:

- LR / GR.
- Material Receipt Certificate issued by BHEL Site Official (to be arrange by BHEL-TBG\*\*).
- GST Compliant Tax Invoice
- Packing List (Case-wise)
- Copy of Transit Insurance Certificate from underwriters.
- Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management
- Guarantee Certificate
- Copy of Performance Bank Guarantee (PBG)
- Certificate of acceptance of Type Test Reports issued by BHEL Engineering management wherever specifically mentioned in the Purchase Order.

^ In case, the vendor opts not to take interest bearing initial advance {or has opted to take interest bearing initial advance but the advance payment has become inadmissible for the reason specified in A.1 above} and interest-bearing engineering advance then this payment shall be 70% instead of 65%. Further, in case, the Contractor opts not to take interest bearing initial advance, but takes interest bearing engineering advance, then this payment shall be 67.5% instead of 65% and in case, the Contractor opts to take interest bearing initial advance, but does not take interest bearing engineering advance, then this payment shall be 67.5%, instead of 65%.

\*\* MRC shall be issued by BHEL site within 7-10 working days from the date of receipt of last consignment of each lot of dispatch (as per Invoice) at site and submission of following undertaking by vendor-

*"Boxes shall be opened in the presence of vendor's representative and in case of any shortage/damage found inside the factory packed boxes during verification, then vendor shall supply the same without any financial implications to BHEL."*

**22.B:** Twenty percent (20%) of the Ex-works price of Main Equipment/ materials (excluding Mandatory Spares) shall be paid, on receipt of equipment at site on pro-rata basis and physical verification\*\*\* and certification by the Project Manager/Site In-charge for the equipment received in good condition and stored at site, within 45 days for MSE, 60 Days for Medium scale Enterprises and 90 days for non-MSME, from the date of receipt of complete invoice. However,

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for Mandatory Spares, balance thirty percent (30%) payment of the Ex-works price component shall be released on receipt & storage of the same at site, physical joint verification and taking over by the Customer's representative. Following documents (one set) will be required for payment-

- Invoice.
- Joint verification reports\*\*\*\* as per packing list by BHEL site & Bidder's authorized representative.
- Certificate from BHEL site for Spares handing over to Customer (applicable for Mandatory spares only).

Note: Payment shall be made based on joint inspection of supplied material. Therefore, Joint verification reports should mention all tax invoice nos and nos of boxes corresponding to original packing list / invoice.

\*\*\* The joint verification of received consignment shall be done within 90 days from the date of receipt of last consignment of each lot of dispatch. The repacking of GIS boxes after Joint verification shall be done by GIS OEM to ensure safe keeping of material during storage.

\*\*\*\* Joint Verification Report (JVR) shall be issued by BHEL site only for the purpose of payment, however, this does not absolve the vendor from his responsibility for completion of supplies in all respect as per Contract.

#### **22.C: Final Payment-**

Balance 10% (Ten percent) of the Ex-works price component of Main Equipment/Materials shall be paid (on pro-rata basis) as per the following:

- 1) **5% (Five percent)** on Successful completion of Supervision of Erection, Testing including HV Testing & Commissioning of individual bays.

Payment shall be made within- 45 days for MSE, 60 Days for Medium scale Enterprises and 90 days for non-MSME from date of receipt of Invoice. Following documents (one set) will be required for payment-

- Invoice.
- Copy of certificate for completion of HV Test from BHEL site.

#### **Note:**

1- Required certificates for release of above retention payment shall be issued by BHEL immediately (not later than 14 working days) upon completion of said activity, submission of required reports/protocols/documents to BHEL by the vendor.

2- In case of Completion of Supervision of Erection, Testing including HV Testing & Commissioning of individual bays gets delayed beyond 09 months from the date of receipt of last equipment at site, for the reasons not attributable to supplier, supplier may claim above payment of supply portion (22.C.1) by furnishing following documents-

- a) Invoice

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b) Certificate issued by BHEL site in charge, confirming that the equipment has been received in good condition and delay in completion of Supervision of Erection, Testing & Commissioning is not attributable to supplier (to be arranged by BHEL TBG).

c) Bank Guarantee of equivalent value initially valid for 12 months from the date of submission of invoice. In case of Supervision of Erection, Testing including HV Testing & Commissioning of individual bays is not successfully completed before expiry of Bank Guarantee, BG shall be kept suitably extended till successful completion of Supervision of Erection, Testing including HV Testing & Commissioning. The bank guarantee shall, however, be released within one month of successful commissioning.

2) **Last 5% (Five percent)** on proof of submission of required number of reproducible, O&M Manuals, approved drawings, data sheets, test report, pamphlets and manuals of mandatory spares, maintenance & testing equipment and on successful completion of Supervision activity in all respect.

Payment shall be made within- 45 days for MSE, 60 Days for Medium scale Enterprises and 90 days for non-MSME from date of receipt of Invoice. Following documents (one set) will be required for payment-

- Invoice.
- Final engineering documentation certificate by BHEL Engg group
- Copy of Successful completion certificate of supervision of ETC of complete GIS system issued by BHEL site.

**Note:**

1- Required certificates for release of above retention payment shall be issued by BHEL immediately (not later than 14 working days) upon completion of said activity, submission of required reports/protocols/documents to BHEL and closure of all the punch points (if any) by the vendor.

2- In case of Completion of Supervision of Erection, Testing & Commissioning of complete GIS system gets delayed beyond 12 months from the date of receipt of last equipment at site, for the reasons not attributable to supplier, supplier may claim above payment of supply portion (22.C.2) by furnishing following documents-

- a) Invoice
- b) Certificate issued by BHEL site in charge, confirming that the equipment has been received in good condition and delay in completion of Supervision of Erection, Testing & Commissioning of GIS system is not attributable to supplier (to be arranged by BHEL TBG).
- c) Bank Guarantee of equivalent value/ Insurance Surety Bond of equivalent amount, initially valid for 12 months from the date of submission of invoice. In case of Supervision of Erection, Testing & Commissioning of complete GIS system is not successfully completed before expiry of Bank Guarantee, BG shall be kept suitably extended till successful completion of Supervision of Erection, Testing & Commissioning of complete GIS system and submission of required number of reproducible, O&M Manuals, approved drawings, data sheets, test report, pamphlets and manuals of mandatory spares, maintenance & testing equipment by GIS OEM. The Bank Guarantee/Insurance Surety bond shall, however, be released within one month of successful completion of all above activities.

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**3.5 For Charges for Supervision of Erection, Testing & Commissioning at Site:**

100% Payment for **Supervision of Erection, Testing & Commissioning** along with applicable GST shall be made on pro-rata basis/ activity wise, within 45 days for MSE, 60 Days for Medium scale Enterprises and 90 days for non-MSME, from the date of receipt of complete GST compliant Tax invoice along with Certificate of Supervision completion of respective activity issued by BHEL Site Official / Construction Management in 1 set.

**3.7 For Training Charges:** 100% payment along with applicable GST within 45 days for MSE, 60 Days for Medium scale Enterprises and 90 days for non-MSME, from the date of receipt of complete GST compliant Tax invoice along with certificate of completion of training issued by issued by BHEL (Sector/Site/PPMG/TBCM) in 1 set.

**23. PAYMENT PROCEDURE:**

**A. Direct Payment from BHEL:** Payment shall be made directly to the Supplier / Contractor by BHEL through NEFT /RTGS. Irrespective of the value of the invoice amount, the bidder / vendor should necessarily upload the despatch & invoice details on BHEL SUVIDHA portal at <https://suvidha.bhel.in/suvidha/> prior to despatch. All documents as per PO checklist, along with additional documents (if any), must be uploaded on the portal. It is mandatory that tax invoices with a net amount (including taxes) exceeding Rs five lakhs uploaded on the portal are digitally signed using a Class 3 Digital Signature Certificate (DSC) issued by a licensed Certifying Authority. Submission of invoice document in hard copy is allowed for invoices with a net amount (including taxes) equal to and upto Rs five lakhs, in case they were not digitally signed and uploaded on the portal. The material will not be accepted inside BHEL/destination in absence of the above.

**B. Discounting of invoices:**

Provision of discounting for MSME suppliers: All invoices received from MSME suppliers shall be uploaded by BHEL on TReDS platform providing the choice to the supplier for discounting their bills against the Trade Receivable accepted on the platform. Presently BHEL has onboarded TReDS platforms such as RXIL, M1xchange, Invoicemart or DTX.

**C. LC Payment Terms:** In case bidders do not agree to the payment terms as mentioned at '23.A' above, and insist for LC payment terms, BHEL would accept LC payment terms with 120 days usance LC (Irrevocable) reckoned from the date of submission of documents at Beneficiary bank. Opening charges to BHEL's account. LC will be opened not earlier than 15 days before despatch.

For any amendments requested by supplier and attributable to supplier after LC establishment, all amendment charges for such amendment shall be to supplier's account.

**D1. Loading Criteria in case of Direct Payment:** For direct payment terms as mentioned at '23.A' above, in case of Bidder seeks reduction in payment period, 'Repo rate + 4%', shall be considered for loading on the bidder's quoted price, for the period of relaxation sought by the bidders. In any case payment period less than 60 days from the date of receipt of Invoice, will not be accepted.

**D2. The loading in case of LC payment terms is as under:**

S No.	Condition	Rate of loading on the bidder's quoted price

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1	Owing to insistence by the supplier on LC payment terms	0.5%
2	In case Bidder seeks reduction in usance period ( <b>usance period less than 60 days will not be accepted</b> )	Repo rate + 4% for the period of reduction
3	In case Bidder seeks early opening of LC	0.5% for every quarter

24. **VALIDITY OF PURCHASE ORDER:** 4 years from the date of PO or upto completion of Contract execution, whichever is later.

**25. Promotion of MAKE IN INDIA:**

For this procurement, the local content to categorize a supplier as class-I local supplier / class-II local supplier / Non-Local supplier and purchase preference to class I local supplier, is as defined in Public Procurement (Preference to Make in India), Order 2017, revision dated 19.07.2024, issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT but before opening of part II bids against this NIT.

**Note: Bidder to specify the percentage of local content as per the format given.**

**26. INTEGRITY PACT: INTEGRITY PACT (Refer clause no. 34 of GTC):**

Bidders shall have to enter into Integrity Pact (as per Annexure-C) with BHEL, duly signed with seal in original, if specified in NIT/ RFQ failing which bidder's offer shall be liable for rejection.

IP is a tool to ensure that activities and transactions between the Company and its Bidders/ Contractors are handled in a fair, transparent and corruption free manner. Following Independent External Monitors (IEMs) on the present panel have been appointed by BHEL with the approval of CVC to oversee implementation of IP in BHEL.

Sl. No.	IEM	Email
1.	Dr. Sarat Kumar Acharya, Ex-CMD, NLC	<a href="mailto:iem1@bhel.in">iem1@bhel.in</a>
2.	Shri R. Mukundan, IRPS (Retd.)	<a href="mailto:iem2@bhel.in">iem2@bhel.in</a>
3.	Shri Madan Lal Meena, IAS (Retd.)	<a href="mailto:iem3@bhel.in">iem3@bhel.in</a>

The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three-part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.

Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to any of the above IEM(s). All correspondence with the IEMs shall be done through email only.

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Note- No routine correspondence shall be addressed to the IEM (phone/ post/ email) regarding the clarifications, time extensions or any other administrative queries, etc. on the tender issued. All such clarification/ issues shall be addressed directly to the tender issuing (procurement) department's officials whose contact details are provided below:

Details of contact person(s):

(1)

Name: Gaurav Agarwal

Deptt: TBG-MM

Address: 5Th Floor, Plot No: 25, Sector-16A, Noida-201301, UP, India

Phone: 0120- 2218840

E-mail: [gaurav.agarwal@bhel.in](mailto:gaurav.agarwal@bhel.in)

(2)

Name: S K Shukla

Deptt: TBG-MM

Address: 5Th Floor, Plot No: 25, Sector-16A, Noida-201301, UP, India

Phone: 0120- 2218796

E-mail: [skshukla@bhel.in](mailto:skshukla@bhel.in)

#### 27. INDEMNITY (AGAINST PATENTS / TRADEMARKS ETC):

The vendor shall at all times indemnify the purchaser against all claims which may be made in respect of supply from any "rights protected" source protected by way of patent registration of design or trade mark. In the event of any claim in respect of an alleged breach of patents registered design or trademark being made against the purchaser, purchaser shall notify the seller of the same and the seller shall be at liberty, but entirely at their own expenses, to conduct negotiation for settlement or deal with any litigation that may arise there from.

#### 28. INVOLVEMENT OF REPRESENTATIVE:

**Bidder must be GIS manufacturer.** Purchase Orders will be placed on successful bidder(s) directly for total supplies and services subject to prior approval by BHEL/end Customer.

In a tender, either the Indian agent on behalf of the Principal/OEM or Principal/OEM itself can submit bid but both cannot submit bid simultaneously for the same item/product in the same tender.

If an agent submits bid on behalf of the Principal/OEM, the same agent shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.

#### 29. ADDITIONAL /EXTRA ITEM REQUIRED AT SITE DUE TO DAMAGE REPORTED AT SITE/ THEFT FOR COMPLETION OF PROJECT:

In case of additional requirement of any item specified in BOQ, whether due to damages / theft or any other reason, during contract (i.e. till expiry of contract i.e end of guarantee period), GIS

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OEM shall ensure supply of same at unit Price mentioned in purchase order main BOQ (supply and service portion) or BOQ for addition /deletion (if any).

#### 30. SETTLEMENT OF DISPUTE:

If any dispute or difference of any kind whatsoever shall arise between BHEL and the Supplier/Vendor, arising out of the contract for the performance of the work whether during the progress of contract termination, abandonment or breach of the contract, it shall in the first place referred to Designated Engineer for amicable resolution by the parties. Designated Engineer (to be nominated by BHEL for settlement of disputes arising out of the contract) who within 60 days after being requested shall give written notice of his decision to the contractor. Save as hereinafter provided, such decision in respect of every matter so referred shall forthwith be given effect to by the Supplier/Vendor who shall proceed with the work with all due diligence, whether he or BHEL desires to resolve the dispute as hereinafter provided or not.

If after the Designated Engineer has given written notice of this decision to the party and no intention to pursue the dispute has been communicated to him by the affected party within 30 days from the receipt of such notice, the said decision shall become final and binding on the parties. In the event the Supplier/Vendor being dissatisfied with any such decision or if amicable settlement cannot be reached then all such disputed issues shall be resolved through conciliation in terms of the BHEL Conciliation Scheme 2018 as per Clause 31.1

#### 31.1 Conciliation:

Any dispute, difference or controversy of whatever nature howsoever arising under or out of or in relation to this Agreement (including its interpretation) between the Parties, and so notified in writing by either Party to the other Party (the "Dispute") shall, in the first instance, be attempted to be resolved amicably in accordance with the conciliation procedure as per BHEL Conciliation Scheme 2018. The proceedings of Conciliation shall broadly be governed by Part-III of the Arbitration and Conciliation Act 1996 or any statutory modification thereof and as provided in - "Procedure for conduct of conciliation proceedings" (as available in [www.bhel.com](http://www.bhel.com)).

**Note:** Ministry of Finance has issued OM reference No. 1/2/24 dated 03.06.2024 regarding "Guidelines for Arbitration and Mediation in Contracts of Domestic Public Procurement. In the said OM it has been recommended that Government departments/ Entities/agencies are to encourage mediation under the Mediation Act. 2023. The said Act has not yet been notified by the Government. Therefore, the clause "Settlement of Disputes" shall be modified accordingly as and when the Mediation Act 2023 gets notified.

#### 31.2 ARBITRATION:

- a) Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided in Clause 31.1 herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution (eg. "IIAC" (India International Arbitration Centre) for

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- Delhi/NCR offices) and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution.
- b) A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the Head of the Unit, BHEL, executing the Contract and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any.
  - c) After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.
  - d) The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules.
  - e) The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be New Delhi.
  - f) Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at New Delhi.
  - g) Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor.
  - h) It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores.
  - i) In case the disputed amount (Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause.
  - j) In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of clause 21.2.9. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction.

**In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable:**

In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations

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(excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD (Administrative Mechanism for Resolution of CPSEs Disputes) as mentioned in DPE OM No. 05/0003/2019-FTS-10937 dated 14-12-2022 as amended from time to time.

**JURISDICTION:** Subject to clause 31 of this contract, the Civil Court having original Civil Jurisdiction (Delhi/New Delhi for TBG), shall alone have exclusive jurisdiction in regard to all matters in respect of the Contract.

#### GOVERNING LAWS

The contract shall be governed by the Law for the time being in force in the Republic of India.

32. **Breach of contract, remedies and termination:** In the event of a breach of Contract by the supplier, the Performance Bank Guarantee will be forfeited and credited to BHEL's account.

#### (A) Breach of contract and Termination:

Following conditions shall be considered as breach of contract:

- a) Non-supply of material/ non-completion of work by the Supplier/Vendor within scheduled delivery/ completion period as per contract or as extended from time to time.
- b) The Supplier/Vendor fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period.
- c) The Supplier/Vendor delivers equipment/ material not of the contracted quality.
- d) The Supplier/Vendor fails to replace the defective equipment/ material/ component as per guarantee clause.
- e) Withdrawal from or abandonment of the work by the Supplier/Vendor before completion as per contract.
- f) Assignment, transfer, subletting of Contract by the Supplier/Vendor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- g) Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor.
- h) Any other reason(s) attributable to Vendor towards failure of performance of contract.
- i) In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/ Contract either in whole or in part thereof without any compensation to the Supplier/Vendor.
- j) Any of the declarations furnished by the contractor at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.
- k) Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.

**Note-**Once BHEL considers that a breach of contract has occurred on the part of Supplier/Vendor, BHEL shall notify the Supplier/Vendor by way of notice in this regard. Contractor shall be given an opportunity to rectify the reasons causing the breach of contract within a period of 14 days.

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In case the contractor fails to remedy the breach, as mentioned in the notice, to the satisfaction of BHEL, BHEL shall have the right to take recourse to any of the remedial actions available to it under the relevant provisions of contract.

#### **(B) Remedies for breach of contract:**

In case of Breach of Contract, BHEL shall recover 10% amount of the contract value from the vendor in following manners:

- (i) Wherein the period as stipulated in the notice issued under clause 14.1 has expired and Supplier/Vendor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.
- (ii) Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Supplier/Vendor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the Supplier/Vendor, retention amount, from the money due to the Supplier/Vendor etc. with BHEL) or the other legal remedies shall be pursued.
- (iii) wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners:
- (iv) In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notice to deposit the balance amount within 30 days shall be issued to Supplier/Vendor.
- (v) If Supplier/Vendor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount:
  - a) from dues available in the form of Bills payable to defaulted Supplier/Vendor against the same contract.
  - b) If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Supplier/Vendor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD.
- (vi) In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted supplier/Vendor.
- (vii) It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Supplier/Vendor for the purpose of estimation of damages.
- (viii) In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract.

#### **Note:**

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1) The defaulting Supplier/Vendor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include:

(a) In case defaulted Supplier/Vendor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor.

(b) In case defaulted Supplier/Vendor is The Partnership Firm, any firm comprising of same partners/ some of the same partners; or sole proprietorship firm owned by any partner(s) as a sole proprietor

#### **32.1 Liquidated Damage in case of termination of contract:**

In case of termination of contract, LD shall be calculated as below:

LD against delay in executed Work/ Supply shall be calculated in line with LD clause of the contract for the delay attributable to supplier. For this purpose, contract value shall be taken as Executed Value of work/supply for the purpose of limiting maximum LD value.

Method for calculation of "LD against delay in executed Work/ supply" is given below:

- a) Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor/ supplier = T1
- b) Let the value of executed work/ supply till the time of termination of contract = X
- c) Let the Total Executable Value of work/ supply for which inputs/ fronts were made available to contractor/ supplier and were planned for execution till termination of contract = Y
- d) Delay in executed work/ supply attributable to contractor/ supplier i.e.  $T2 = [1-(X/Y)] \times T1$
- e) LD shall be calculated in line with LD clause of the Contract for the delay attributable to supplier taking "X" as Contract Value and "T2" as delay attributable to contractor/ supplier.

Note: In case portion of service/ supply is withdrawn, no LD shall be applicable for portion of service/ supply withdrawn.

**33. HEALTH, SAFETY AND ENVIRONMENT (HSE) OF BHEL:** BHEL has their own Health, safety and environment. HSE policy is enclosed for bidder's reference.

**34. Prevention for cartel formation:** The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the Bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

**35. CONFIDENTIALITY CLAUSE (Clause No.42 of GTC):** In addition to the content of said clause of GTC, following is also included under this clause-

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Seller and Buyer (as to information disclosed, the "Disclosing Party") may each provide the other party (as to information received, the "Receiving Party") with Confidential Information in connection with this Contract. "Confidential Information" means (a) information that is designated in writing as "confidential" or "proprietary" by Disclosing Party at the time of written disclosure, and (b) information that is orally designated as "confidential" or "proprietary" by Disclosing Party at the time of oral or visual disclosure and is confirmed to be "confidential" or "proprietary" in writing within twenty (20) days after the oral or visual disclosure. In addition, prices for Products and Services shall be considered Seller's Confidential Information. Receiving Party agrees: (i) to use the Confidential Information only in connection with the Contract and use of Products and Services, (ii) to take reasonable measures to prevent disclosure of the Confidential Information to third parties, and (iii) not to disclose the Confidential Information to a competitor of Disclosing Party. each Disclosing Party warrants that it has the right to disclose the information that it discloses. Neither Buyer nor Seller shall make any public announcement about the Contract without prior written approval of the other party.

The obligations shall not apply, however, regarding each receiving Party hereunder, to any information which:

1. was in that receiving Party's possession without an obligation to confidentiality prior to receipt from the disclosing Party;
  2. is at the time of disclosure already in the public domain or subsequently becomes available to the public through no breach of this Agreement by that receiving Party;
  3. is lawfully obtained by that receiving Party from a third party without an obligation to confidentiality, provided such third party is not, to that receiving Party's knowledge, in breach of any obligation to confidentiality relating to such information;
  4. is developed by that receiving Party independently of any Confidential Information; or
  5. is approved for release by written agreement of the disclosing Party;
  6. is required by any applicable stock exchange listing rules or under the Indian companies act. 1956;
  7. information which is required to be disclosed for compliance with applicable law, rule, regulation or court order or other compulsory process of a court, arbitral tribunal or any other government body.
36. **No nuclear use:** Products and Services sold by Seller are not intended for use in connection with any nuclear facility or activity, and Buyer warrants that it shall not use or permit others to use Products or Services for such purposes, without the advance written consent of Seller. If, in breach of this, any such use occurs, Seller (and its parent, affiliates, suppliers and subcontractors) disclaims all liability for any nuclear or other damage, injury or contamination, and, in addition to any other rights of Seller, Buyer shall indemnify and hold Seller (and its parent, affiliates, suppliers and subcontractors) harmless against all such liability. Consent of Seller to any such use, if any, will be conditioned upon additional terms and conditions that Seller determines to be acceptable for protection against nuclear liability.

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#### 37. Force Majeure (Clause No.24 of GTC):

1 "Force Majeure" shall mean circumstance which is:

- a) beyond control of either of the parties to contract,
- b) either of the parties could not reasonably have provided against the event before entering into the contract,
- c) having arisen, either of the parties could not reasonably have avoided or overcome, and
- d) is not substantially attributable to either of the parties and prevents the performance of the contract.

**Such circumstances include but shall not be limited to:**

- i. War, hostilities, invasion, act of foreign enemies.
- ii. Rebellion, terrorism, revolution, insurrection, military or usurped power, or civil war.
- iii. Riot, commotion or disorder by persons other than the contractor's personnel and other employees of the contractor and sub-contractors.
- iv. Strike or lockout not solely involving the contractor's personnel and other employees of the contractor and sub-contractors.
- v. Encountering munitions of war, explosive materials, ionizing radiation or contamination by radio-activity, except as may be attributable to the contractor's use of such munitions, explosives, radiation or radio- activity.
- vi. Natural catastrophes such as earthquake, tsunami, volcanic activity, hurricane or typhoon, flood, fire, cyclones etc.
- vii. Epidemic, pandemic etc.

2. The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party:

- (a) any strike, work-to-rule action, go-slow or similar labour difficulty
- (b) late delivery of equipment or material (unless caused by Force Majeure event) and
- (c) economic hardship.

3. If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event.

4. The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended by a period of time equal to period of delay caused due to such Force Majeure event.

5. Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not

- v) Constitute a default or breach of the Contract.
- vi) Give rise to any claim for damages or additional cost expense occasioned thereby, if and to the extent that such delay or non-performance is caused by the occurrence of an event of Force Majeure.

6. BHEL at its discretion may consider short closure of contract after 1 year of imposition of Force Majeure in line with extant guidelines. In any case, Supplier/Vendor cannot consider deemed short-closure after 1 year of imposition of Force Majeure.

## SPECIAL TERMS & CONDITIONS

### SUPPLY & SERVICES OF 400kV GIS AND ASSOCIATED EQUIPMENTS FOR HPGCL YAMUNA NAGAR PROJECT

38. **Suspension of Business Dealings with Suppliers (Clause no.32 of GTC):** The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms / principal / agents, shall be rejected. The list of banned firms is available on BHEL web site [www.bhel.com](http://www.bhel.com).

If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860( Bhartiya Nyaya Samhita 2023) or any other law in force in India, or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder / supplier / contractor as per extant guidelines of the company available on [www.bhel.com](http://www.bhel.com) and / or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage:

[http://www.bhel.com/vender\\_registration/vender.php](http://www.bhel.com/vender_registration/vender.php)

39. **TERMINATION OF CONTRACT (clause no.35 of GTC):**

BHEL shall have the right to terminate the Purchase Order / Contract without any financial implication to BHEL if vendor approval by end user / customer is withdrawn or in case of Suspension of Business Dealings with the Suppliers / Contractors by BHEL and in that event, Supplier/Contractor shall be paid for the works done.

BHEL shall have the right to terminate Purchase Order / Contract, wholly or in part, in case they are obliged to do so on account of any decline, diminution, curtailment or stoppage of their business and in that event, Supplier/Contractor shall be paid for the works done.

In case of termination of Purchase Order / Contract for main supply, all other associated Purchase Orders / Contracts like those for Mandatory Spares / Recommended Spares / Erection, Testing & Commissioning (ETC) / Supervision of ETC, if any, would also get terminated.

40. **LIMITATION OF LIABILITY (clause no.37 of GTC):**

Notwithstanding any other provisions, except in cases of willful misconduct and / or criminal negligence / acts, a) Neither the Supplier / Contractor nor BHEL shall be liable to the other, whether in Purchase Order / Contract, tort, or otherwise, **for any indirect or consequential loss or damage, including but not limited to loss of use, loss of profits, or loss of contracts, or special, punitive, exemplary losses whatsoever arising out of or in connection with this contract**, provided however that this exclusion shall not apply to any obligation of the Supplier / Contractor to pay Liquidated Damages to the BHEL and b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the Contractor in respect of this contract, whether under the Contract, in tort or otherwise, shall not exceed total Contract Price, provided however that this limitation shall not apply to any obligation of the Vendor to indemnify BHEL with respect to Patent Infringement or Intellectual Property Rights.

41. **INDEMNIFICATION (Clause no.43 of GTC):**

The Supplier / Contractor shall indemnify and keep indemnified and hold harmless BHEL and its employees and officers from and against any and all claims, suits, actions or administrative proceedings, demands, damages, costs and expenses in respect of the death or injury of any person or loss of or damage to any third-party property arising due to its wrongful act or wrongful omission during the course and out of the execution of the Purchase Order / Contract.

42. **Order of Precedence (Clause no.28 of GTC):**

In the event of any ambiguity or conflict between the Tender Documents, the order of

## SPECIAL TERMS & CONDITIONS

### SUPPLY & SERVICES OF 400kV GIS AND ASSOCIATED EQUIPMENTS FOR HPGCL YAMUNA NAGAR PROJECT

precedence shall be in the order below:

- a. Amendments/Clarifications/Corrigenda/Errata etc. issued in respect of the tender documents by BHEL.
- b. Special Terms and conditions (STC)
- c. General Terms and conditions (GTC)

Provisions in (a) and (b) above shall prevail over (c). In case of conflict, between Technical Specifications and STC / GTC, bidder to seek necessary clarifications from BHEL concerned official as specified in NIT.

#### 43. NOTE:

1. In the event of our customer order covering this tender being cancelled /placed on hold /otherwise modified, BHEL would be constrained to accordingly cancel / hold / modify the tender at any stage of execution.
2. BHEL may negotiate the L1 rate, if not meeting our budget / estimated cost. BHEL may re-float the tender opened, if L1 price is not acceptable to BHEL even after negotiation. Any deviation from the conditions specified in TECHNO-COMMERCIAL TERMS AND CONDITIONS, will lead to rejection of offer.
3. Any change in applicable rates of Tax or any other statutory levies (Direct / Indirect) or any new introduction of any levy by means of statute and its corresponding liability for the deliveries beyond the agreed delivery date for reasons not attributable to BHEL will be to vendors account. BHEL will not reimburse the same and any subsequent claim in this respect will be summarily rejected.
4. BHEL reserves its right to reject an offer due to unsatisfactory past performance by the respective Vendor in the execution of any contract to any BHEL project / Unit.
5. The offers of the bidders who are under suspension and also the offers of the bidders, who engage the services of the banned firms /principal/agents, shall be rejected. The list of banned firms is available on BHEL web site [www.bhel.com](http://www.bhel.com).
6. Recovery / deduction as applicable as per Direct and Indirect taxes as notified by Govt. Of India from time to time will be made and information/certificate for such deduction/recoveries shall be provided by BHEL to the vendor.

#### 44. Grievance Redressal Mechanism:

To promote transparency and ensure fair treatment of all bidders, a structured Grievance Redressal Mechanism is in place to address any concerns or issues arising during the tendering process or in subsequent business dealings with the company.

Suppliers/Contractors are requested to follow the below escalation process for grievance resolution:

**First Level:** Any grievance should initially be **addressed to the designated Dealing Officer, whose contact details are provided in the Notice Inviting Tender (NIT) at clause no.3 of STC.**

**Second Level:** If the issue remains unresolved, it may be escalated by lodging a formal grievance through the SUVIDHA Portal: <https://suvidha.bhel.in/suvidha/>. Responses will be provided in accordance with the defined escalation matrix.”

45. Bidder to submit the POA (Power of Attorney) along with bid.

## SPECIAL TERMS & CONDITIONS

### SUPPLY & SERVICES OF 400kV GIS AND ASSOCIATED EQUIPMENTS FOR HPGCL YAMUNA NAGAR PROJECT

46. Following confirmation to be provided by vendor:

***“We confirm that we have quoted as per specified price format provided along with this tender”.***

**Note:** BHEL reserves the right to cancel this enquiry at any point of time.

**NAME & SEAL OF TENDERER**

#### **Enclosures:**

- a) Offer forwarding letter / tender Submission Letter
- b) Activity Schedule, Commercial & Technical deviation Sheet.
- c) Instruction of DPIIT (**Annexure-1**), **Annexure-2/3** (Compliance regarding restrictions under Rule 144 (xi) of General Financial Rules (GFRs), 2017).
- d) Format for declaration of minimum local content (**Annexure-A1 & A2**).
- e) Format for compliance of MoP order dated 02-07-2020 (**Annexure-B**).
- f) Format of Integrity pact (**Annexure-C**).
- g) Declaration Regarding Insolvency/ Liquidation/ Bankruptcy Proceedings (**Annexure-D**).
- h) Format of Performance BG to BHEL and to POWERGRID.
- i) Copy of HSE policy.
- j) Details of Packing list of GIS Module (**Annexure-E**).
- k) General Terms and Condition of NIT.
- l) BHEL'S PRICE BID FORMAT.
- m) All required documents/ credentials meeting BHEL's Technical PQR shall be submitted by GIS OEM/bidder as per **Annexure-G**.

**OFFER FORWARDING LETTER / TENDER SUBMISSION LETTER**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

-----  
-----

Offer Reference No: .....

Date:

.....

To,

(Write Name & Address of Officer of BHEL inviting the Tender)

Dear Sir,

Sub: Submission of Offer against Enquiry No.: .....

Having examined the tender documents against your Enquiry No. \_\_\_\_\_ dated \_\_\_\_\_ and having understood the provisions of the said tender documents and having thoroughly studied the requirements of BHEL related to the work tendered for, in connection with \_\_\_\_\_ (name of work & project site), we hereby submit our offer for the proposed work in accordance with terms and conditions mentioned in the tender documents, at the prices quoted by us and as per the indicated delivery schedule.

Should our Offer be accepted by BHEL for Award, I/we further agree to furnish 'Performance Security' for the work as provided for in the Tender Conditions within the stipulated time as may be indicated by BHEL.

I/We further agree to execute all the works referred to in the said Tender documents upon the terms and conditions contained or referred to therein and as detailed in the appendices annexed thereto.

I/We have deposited herewith the requisite Earnest Money Deposit (EMD) as per details furnished in the Check List (wherever applicable).

**Authorised Representative of Bidder**

Signature:

Name:

Address:

Place:

Date:



**TENDER ENQUIRY NO.**

**DATED:**

**SCHEDULE OF COMMERCIAL DEVIATION**

The following are the deviations/ variations exception from the General Terms and Conditions:

SL. No.	CLAUSE NO. OF GENERAL TERMS AND CONDITION	STATEMENT OF DEVIATION

**In case, this schedule is not submitted, it will be presumed that the equipment/ material to be supplied under this contract is deemed to be in compliance with the Special Terms and Conditions & General Terms and Conditions.**

- If there is NIL deviation, even then the format to be filled as **NIL DEVIATION**.

Note:1 Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this scheduled.

Note.2 Deviations (if nay) shall be mentioned in this format only. Deviations mentioned elsewhere, shall not be considered.

**NAME & SEAL OF TENDERER**



**TENDER ENQUIRY NO.**

**DATED:**

**SCHEDULE OF TECHNICAL DEVIATION**

The following are the deviations/ variations exception from the Specification:

SL. No.	CLAUSE NO. OF GENERAL TERMS AND CONDITION	STATEMENT OF DEVIATION/ VARIATIONS/EXCEPTIONS

In case, this schedule is not submitted, it will be presumed that the equipment/ material to be supplied under this contract is deemed to be In compliance with the Special Terms and Conditions & General Terms and Conditions & Specifications.

If there is NIL deviation, even then the format to be filled as **NIL DEVIATION**.

Note 1: Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this scheduled.

Note.2 Deviations (if nay) shall be mentioned in this format only. Deviations mentioned elsewhere, shall not be considered.

**NAME & SEAL OF TENDERER**

**Activity Schedule for PO-1 (Main Supply Items & Service Items and/ or any other item not covered in PO- 2 & PO-3)**

SI. NO.	Activity	ACTIVITY TIME IN WEEKS	REMARKS IF ANY
<b>A. Supply</b>			
1	Order acknowledgement by vendor	1 Week	Supplier scope. PO date shall be considered as Zero Date.
2	Inputs to vendor from BHEL after issue of PO	2 Weeks	BHEL scope.
3	Submission of Documents necessary for getting manufacturing clearance like Drawings, Data sheet etc.		Supplier scope. To be quoted considering proposed delivery plan mentioned in STC.
4	Review and Approval of documents from BHEL/Customer and issue of manufacturing clearance.	6 Weeks	BHEL scope.
5	Manufacturing time (after Manufacturing Clearance from BHEL) along with Inspection Call (ie. Time from Manufacturing Clearance date and inspection date mentioned in inspection call)		Supplier scope. To be quoted inline with proposed delivery plan mentioned in STC.
6	BHEL/ customer Inspection & dispatch clearance	2 Weeks	BHEL scope
7	Dispatch	2 Weeks	Supplier scope
	<b>Total time for supply</b>		
<b>B. Services at site</b>			
8	Joint checking including surveying, levelling and marking of GIS Hall/ building floor and other associated GIB/ equipment foundations		BHEL/Supplier scope. The date on which site is declared ready jointly by vendor & BHEL site for ETC activities of GIS, shall be considered as Zero date.
9	Supervision of installation of GIS Bays and its associated work including LCC, cable trays, cabling and earthing work		BHEL/Supplier scope.
11	Testing and pre-commissioning of GIS Bays and its associated work including LCC, cable trays, cabling and earthing work		Supplier scope.
12	HV testing and commissioning of GIS		Supplier scope.
	<b>Total time for service</b>		
	<b>TOTAL COMPLETION TIME (SUPPLY+SERVICES)</b>		

- Note:
- Supplier must ensure the completeness and correctness of the requisite drawings/documents before submission for approval.
  - Inspection call should be raised Two (02) weeks in advance before inspection date. Inspection call should be given in the prescribed format only (enclosed). Inspection calls not in the prescribed format shall not be entertained.
  - Delay in activity pertaining to BHEL, not attributable to vendor, as listed above shall be added, if required in case of time extension and Delivery date will be re-fixed accordingly based on bidder's request & delay analysis.

**Activity Schedule for PO-2 (Mandatory Spares)**

SI. NO.	Activity	ACTIVITY TIME IN WEEKS	REMARKS IF ANY
1	Order acknowledgement by vendor	1 Week	Supplier scope. PO date shall be considered as Zero Date.
2	Inputs to vendor from BHEL after issue of PO	2 Weeks	BHEL scope.
3	Submission of Documents necessary for getting manufacturing clearance like Drawings, Data sheet etc.		Supplier scope. To be quoted considering proposed delivery plan mentioned in STC.
4	Review and Approval of documents from BHEL/Customer and issue of manufacturing clearance.	6 Weeks	BHEL scope.
5	Manufacturing time (after Manufacturing Clearance from BHEL) along with Inspection Call (ie. Time from Manufacturing Clearance date and inspection date mentioned in inspection call)		Supplier scope. To be quoted inline with proposed delivery plan mentioned in STC.
6	BHEL/ customer Inspection & dispatch clearance	2 Weeks	BHEL scope
7	Dispatch	2 Weeks	Supplier scope
	<b>Total time for supply</b>		
Note:	<p>1. Supplier must ensure the completeness and correctness of the requisite drawings/documents before submission for approval.</p> <p>2. Inspection call should be raised Two (02) weeks in advance before inspection date. Inspection call should be given in the prescribed format only (enclosed). Inspection calls not in the prescribed format shall not be entertained.</p> <p>3. Delay in activity pertaining to BHEL, not attributable to vendor, as listed above shall be added, if required in case of time extension and Delivery date will be re-fixed accordingly based on bidder's request &amp; delay analysis.</p>		

**Activity Schedule for PO-3 (TOOLS AND TESTING & MAINTENANCE EQUIPMENT)**

SI. NO.	Activity	ACTIVITY TIME IN WEEKS	REMARKS IF ANY
1	Order acknowledgement by vendor	1 Week	Supplier scope. PO date shall be considered as Zero Date.
2	Inputs to vendor from BHEL after issue of PO	2 Weeks	BHEL scope.
3	Submission of Documents necessary for getting manufacturing clearance like Drawings, Data sheet etc.		Supplier scope. To be quoted considering proposed delivery plan mentioned in STC.
4	Review and Approval of documents from BHEL/Customer and issue of manufacturing clearance.	6 Weeks	BHEL scope.
5	Manufacturing time (after Manufacturing Clearance from BHEL) along with Inspection Call (ie. Time from Manufacturing Clearance date and inspection date mentioned in inspection call)		Supplier scope. To be quoted inline with proposed delivery plan mentioned in STC.
6	BHEL/ customer Inspection & dispatch clearance	2 Weeks	BHEL scope
7	Dispatch	2 Weeks	Supplier scope
	<b>Total time for supply</b>		
Note:	<p>1. Supplier must ensure the completeness and correctness of the requisite drawings/documents before submission for approval.</p> <p>2. Inspection call should be raised Two (02) weeks in advance before inspection date. Inspection call should be given in the prescribed format only (enclosed). Inspection calls not in the prescribed format shall not be entertained.</p> <p>3. Delay in activity pertaining to BHEL, not attributable to vendor, as listed above shall be added, if required in case of time extension and Delivery date will be re-fixed accordingly based on bidder's request &amp; delay analysis.</p>		

ANNEXURE-1

CLAUSES FOR NEW TENDERS:

- I. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority.
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) means any person or firm or company including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not failing in any of the descriptions of bidders stated hereinbefore, including any agency branch or office controlled by such person, participating in a procurement process.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Order means:
  - a. An entity Incorporated, established or registered in such a country; or
  - b. A subsidiary of an entity Incorporated, established or registered in such a country; or
  - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - d. An entity whose *beneficial owner* is situated in such a country, or
  - e. An Indian (or other) agent of such an entity; or
  - f. A natural person who is a citizen of such a country; or
  - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above
- IV. The *beneficial owner* for the purpose of (iii) above will be as under:
  1. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has a controlling ownership interest or who exercises control through other means.

Explanation-

    - a. "Controlling ownership interest" means ownership of or entitlement to more than twenty-five per cent. of shares or capital or profits of the company;
    - b. "Control" shall include the right to appoint majority of the directors or to control the management or policy decisions including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements;
  2. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership;
  3. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of Individuals;
  4. Where no natural person is Identified under (1) or (2) or (3) above the beneficial owner is the relevant natural person who holds the position of senior managing official;
  5. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.

- V. An Agent is a person employed to do any act for another or to represent another in dealings with third person.
- VI. The successful bidder shall not be allowed to sub-contract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

\* The above clause is not applicable to the bidders from those countries (even if sharing a land border with India) to which the GoI has extended lines of credit or in which the GoI is engaged in development projects.

\* List of countries to which lines of credit have been extended or in which development projects are undertaken are available on the Ministry of External affairs website (<https://www.mea.gov.in/>)

**Compliance to be submitted in INR 100/- non judicial stamp paper**

**Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017**

SI No.	Description	Bidder's confirmation
1	<i>We, M/s_____ have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; We hereby certify that we are not from such a country.</i>	<i>Agreed</i>

(Note: Non-compliance of above said GoI Order and its subsequent amendment, (if any), by any bidder(s) shall lead for commercial rejection of their bids by BHEL)

**Bidder's authorized signatory with stamp & seal**

### Compliance to be submitted in INR 100/- non judicial stamp paper

**Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017**

S.N.	Description	Bidder's confirmation
1	<p><i>We, M/s_____have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. We are from such a country which shares a land border with India &amp; have been registered with the Competent Authority as specified in above said order. We hereby certify that we fulfil all requirements in this regard and are eligible to be considered.</i></p> <p><b><i>Evidence of valid registration by the Competent Authority is attached.</i></b></p>	<p style="text-align: center;"><i>Agreed</i></p>

(Note: Non-compliance of above said GoI Order and its subsequent amendment, (if any), by any bidder(s) shall lead for commercial rejection of their bids by BHEL)

**Bidder's authorized signatory with stamp & seal**

Annexure-A1

**DECLARATION REGARDING MINIMUM LOCAL CONTENT IN LINE WITH  
REVISED PUBLIC PROCUREMENT (PREFERENCE TO MAKE IN INDIA), ORDER 2017  
DATED 04TH JUNE, 2020 AND SUBSEQUENT ORDER(S)**

(To be typed and submitted in the Letter Head of the Entity/Firm providing certificate as applicable)

-----  
To,

(Sh. Gaurav Agarwal

5<sup>th</sup> floor, BHEL Sadan, Film city, Noida Sector-16A)

Dear Sir,

**Sub:** Declaration reg. minimum local content in line with Public Procurement (Preference to Make in India), Order 2017-Revision, dated 04<sup>th</sup> June, 2020 and subsequent order(s).

**Ref:** 1) Enquiry No.: .....

2) All other pertinent issues till date

We hereby certify that the items/works/services offered by..... (specify the name of the organization here) has a local content of \_\_\_\_\_ % and this meets the local content requirement for '**Class-I local supplier**' / '~~Class-II local supplier~~' \*\* as defined in Public Procurement (Preference to Make in India), Order 2017-Revision dated 04.06.2020 issued by DPIIT and subsequent order(s).

The details of the location(s) at which the local value addition is made are as follows:

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

...

Thanking you,

Yours faithfully,

**(Signature, Date & Seal of  
Authorized Signatory of  
the Bidder)**

\*\* - Strike out whichever is not applicable.

Item Name :	
Enquiry No. :	
Project :	
Type of project	Transmission / <del>Thermal (Coal or Gas)</del> / Hydro
Applicable percentage of Local Content	Bidder to indicate local content in percentage

**Certificate from statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of Local Content, in line with PPP-MII order, if applicable [to be submitted on the letter head of the issuer.]**

Dear Sir,

We have read and understood the provisions of “Public Procurement (Preference to Make in India) Order, 2017” dated 15/06/2017, its revision dated 28/05/2018 and any subsequent modifications/Amendments, if any [hereinafter, “PPP-MII Order”] issued by Department of Industrial Policy and Promotion (DIPP), Ministry of Commerce and Industry, Government of India.

In line with the provisions of the PPP-MII Order, M/s. ....[Enter the name of the Bidder] [hereinafter, “Local Supplier”] have submitted an Affidavit of self-certification to M/s. Bharat Heavy Electricals Limited [hereinafter, BHEL] regarding Local Content in Goods/Services/Works to be supplied by the Local Supplier for ..... (Enter the name of the Equipment/Item for Project), wherein they have agreed to abide by the terms and conditions of the PPP-MII Order.

Further, in line with the PPP-MII Order, the statutory auditor or cost auditor of the company (in the case of companies) or a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) shall provide a certificate giving the percentage of Local Content in the Goods/Service/Works to be supplied by the Local Supplier for ..... (Enter the name of the Equipment/Item for Project).

Accordingly, we, the Statutory Auditor(s) / Cost auditor (applicable in the case of companies) of the Local Supplier / a practicing cost accountant or practicing chartered accountant (applicable in respect of suppliers other than companies), certify that the Local Content as defined under the PPP-MII, in the Goods/Service/Works to be supplied by the Local Supplier for ..... (Enter the name of the Equipment/Item for Project) is ..... percentage [specify the percentage of Local content].

For and on behalf of,

Date:

Authorised persons

Firm Reg No:  
Membership No.

*Note: This is a guiding format. In case the bidder submits the certificate in a format different from the above, the same may be considered provided it meets the intent and purpose, as may be ascertained by BHEL.*

**Annexure-B**

**Vendor Compliance format in bidder letter head**

In view of by order No. 25-111612018-PG, Dated 02.07.2020 of Ministry of Power, GOI

**Enquiry No/ PO No & Date** :  
**Project** :  
**Name of items/Package** :

This is to certify that all equipment, components, and parts imported for use in the Power Supply System and Network are in strict compliance to directions issued by Ministry of Power, Govt. of India vide order No. 25-111612018-PG dated 02.07.2020. The imported component(s), part or assembly item(s) does not carry any malware/Trojan etc.

**Note: Non-compliance of MoP Order and its subsequent amendment(s), (if any), by vendor shall lead to rejection of their offer or cancellation of contract, which is awarded by BHEL.**

**Bidder's authorized signatory**  
**with stamp & seal**

BHEL-IP

Annexure-C

**INTEGRITY PACT****Between**

Bharat Heavy Electricals Ltd. (BHEL), a company registered under the Companies Act 1956 and having its registered office at "BHEL House", Siri Fort, New Delhi - 110049 (India) hereinafter referred to as "The Principal", which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the ONE PART

**and**

\_\_\_\_\_, (description of the party along with address), hereinafter referred to as "The Bidder/ Contractor" which expression unless repugnant to the context or meaning hereof shall include its successors or assigns of the OTHER PART

**Preamble**

The Principal intends to award, under laid-down organizational procedures, contract/s for \_\_\_\_\_

\_\_\_\_\_ (hereinafter referred to as "Contract"). The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).

In order to achieve these goals, the Principal will appoint panel of Independent External Monitor(s) (IEMs), who will monitor the tender process and the execution of the contract for compliance with the principles mentioned above.

**Section 1- Commitments of the Principal**

- 1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles: -
  - 1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.
  - 1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.
  - 1.1.3 The Principal will exclude from the process all known prejudiced persons.
- 1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Indian Penal Code 1860 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

**Section 2 - Commitments of the Bidder(s)/ Contractor(s)**

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.

**BHEL-IP**

- 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.
- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Bharatiya Nyaya Sanhita (BNS) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

**Section 3 - Disqualification from tender process and exclusion from future contracts**

If the Bidder(s)/ Contractor(s), before award or during execution has committed a transgression through a violation of Section 2 above, or acts in any other manner such as to put his reliability or credibility in question, the Principal is entitled to disqualify the Bidder(s)/ Contractor(s) from the tender process, terminate the contract, if already awarded, exclude from future business dealings and/ or take action as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

**Section 4 - Compensation for Damages**

- 4.1 If the Principal has disqualified the Bidder (s) from the tender process before award / order acceptance according to Section 3, the Principal is entitled to demand and recover the damages equivalent to Earnest Money Deposit/ Bid Security.
- 4.2 If the Principal is entitled to terminate the Contract according to Section 3, or terminates the Contract in application of Section 3 above, the Bidder(s)/ Contractor (s) transgression through a violation of Section 2 above shall be construed breach of contract and the Principal shall be entitled to demand and recover from the Contractor an amount equal to 5% of the contract value or the amount equivalent to Security Deposit/ Performance Bank Guarantee, whichever is higher, as damages, in addition to and without prejudice to its right to demand and recover compensation for any other loss or damages specified elsewhere in the contract.

**Section 5 - Previous Transgression**

**BHEL-IP**

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years (to be reckoned from date of bid submission) with any other company in any country conforming to the anti-corruption approach in India that could justify his exclusion from the tender process. The date of such transgression, for the purpose of disclosure by the bidders in this regard, would be the date on which cognizance of the said transgression was taken by the competent authority. The transgression(s), for which cognizance was taken even before the said period of three years, but are pending conclusion, shall also be reported by the bidders.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

**Section 6 - Equal treatment of all Bidder (s)/ Contractor (s) / Sub-contractor (s)**

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of a joint venture, all the partners of the joint venture should sign the Integrity Pact. In case of Sub-contracting, the Principal Contractor shall be solely responsible for the adherence to the provisions of IP by the sub-contractor(s).
- 6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions.

**Section 7 - Criminal Charges against violating Bidders/ Contractors /Subcontractors**

If the Principal obtains knowledge of conduct of a Bidder, Contractor or Subcontractor, or of an employee or a representative or an associate of a Bidder, Contractor or Subcontractor which constitutes corruption, or if the Principal has substantive suspicion in this regard, the Principal will inform the Vigilance Office.

**Section 8 -Independent External Monitor(s)**

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact on receipt of any complaint by them from the bidder(s).
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as /Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.
- 8.5 The role of IEM is advisory and the advice of IEM is non- binding on the Organization. However, as IEMs are invariably persons with rich experience who have retired as senior functionaries of the government, their advice would help in proper implementation of the IP.

**BHEL-IP**

- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of the tendering process, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an examination, and submit their joint recommendations to the Management. In case the full panel is not available due to some unavoidable reasons, the available IEM(s) will conduct examination of the complaints. Consent of the IEM(s), who may not be available, shall be taken on record.
- 8.7 The IEMs shall examine all the representations/grievances/ complaints received by them from the bidders or their authorized representative related to any discrimination on account of lack of fair play in modes of procurement and bidding systems, tendering method, eligibility conditions, bid evaluation criteria, commercial terms & conditions, choice of technology/ specifications etc.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs.
- 8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.
- 8.13 The word 'Monitor' would include both singular and plural.

**Section 9 - Pact Duration**

- 9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.
- 9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

**Section 10 - Other Provisions**

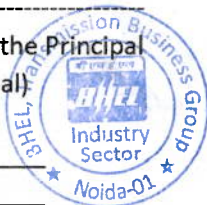
- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.

BHEL-IP

- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.
- 10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.
- 10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.
- 10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. If required, the Principal may adopt any mediation rules for this purpose. However, not more than five meetings shall be held for a particular dispute resolution. The fees/expenses on dispute resolution shall be equally shared by both the parties. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract.

*[Handwritten Signature]*

For & On behalf of the Principal  
(Office Seal)



Place \_\_\_\_\_  
Date \_\_\_\_\_

Witness: *[Handwritten Signature]*  
(Name & Address) *S.K. Shukla*

For & On behalf of the Bidder/ Contractor  
(Office Seal)

Witness: \_\_\_\_\_  
(Name & Address) \_\_\_\_\_

**Annexure-D**

**UNDERTAKING**

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder)

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To,

(Sh. Gaurav Agarwal

5<sup>th</sup> floor, BHEL Sadan, Film city, Noida Sector-16A)

Dear Sir/Madam,

**Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY  
PROCEEDINGS**

**Ref:** Enquiry No.: \_\_\_\_\_

I/We,

\_\_\_\_\_ declare  
that, I/We am/are not admitted under insolvency resolution process or liquidation under Insolvency  
and Bankruptcy Code, 2016, as amended from time to time or under any other law as on date, by  
NCLT or any adjudicating authority/authorities.

**Sign. of the AUTHORISED SIGNATORY  
(With Name, Designation and Company seal)**

Place:

Date:

ANNEXURE-E

**DETAILS OF PACKAGES**

<b>S. N.</b>	<b><i>Discriptions</i></b>	<b><i>ESTIMATED QUANTITY</i></b>
<b><u>1</u></b>	NO OF PACKAGES/CASES	
<b><u>2</u></b>	SIZE ( MAXIMUM & MINIMUM )	
<b><u>3</u></b>	WEIGHT	
<b><u>4</u></b>	NOS OF COC CONTAINERS ( TYPES & QTY), IF ANY	

**Note:**

1. The above is required only to facilitate the store at site.
2. Bidder to submit standard storage instruction along with offer.

**TECHNICAL PRE QUALIFICATION REQUIREMENT**

Name of Project : 1X800 MW SUPER CRITICAL EXPANSION UNIT DEEN BANDHU CHHOTU  
RAM THERMAL POWER PLANT YAMUNA NAGAR  
Name of Customer : HARYANA POWER GENERATION CORPORATION LIMITED  
Name of Consultant : DESEIN PVT. LTD.  
Name of Item : 400KV Gas Insulated Switchgear & its accessories

**TECHNICAL PRE-QUALIFICATION REQUIREMENT****Indenter to Tick (✓)**

Technical PQR is based on

Customer PQR ; Customised PQR ; Standard PQR

The Vendor/his Group Company should have Designed, Manufactured, Supplied, Erected/Supervised erection, Commissioned/Supervised Commissioning of one (1) Gas Insulated Switchgear (GIS) Installation having at least Six (6) bays of 400 kV or above voltage class with a short circuit rating of not less than 50 kA for 1 second, which should have been in successful operation for a period of not less than two (2) years prior to the date of Techno-Commercial bid opening (02.11.2023).

**AND**

The above Vendor should have established manufacturing facilities in India and should have supplied at least Four (4) GIS bays of 400 kV or above from their Indian manufacturing facility.  
Documentary evidence meeting the above requirement shall be submitted to the Owner.

*Note: For the purpose of qualifying requirement, one no. of bay shall be considered as comprising of at least one circuit breaker, two disconnectors and single-phase current transformers.*

**Indenter to identify and tick (✓) type of bidder from the following**

Manufacturer ; Supplier ; Authorised agent\* of OEM  System Integrator

(\* Agent/ Supplier authorised by OEM for sale and after-sales support, Guarantee/ Warrantee, as applicable)

**SUPPORTING DOCUMENTS TO BE ATTACHED**

(As applicable as per PQ requirement)

Sr	Required Criteria	Supporting Documents to be submitted by bidder along with technical bid
1	Manufacturing	Approved Drawings / GTP / Approved Quality Plan / Factory Inspection Test Report etc
2	Supply	PO / Dispatch clearance / LR / Material Receipt certificate at site / installation or commissioning certificate e.t.c
4	Type Test	TTR approval from customer / Type Test Report etc.
5	Successful operation	Satisfactory operation means certificate issued by the Employer/Utility certifying the operation without any adverse remark.

Attachment-3K to be filled by Bidder.

PREPARED BY

REVIEWED BY

APPROVED BY

Notes (General points):

1. Consideration of offer shall be subject to customer's approval of bidder's, if applicable.
2. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self- attested English translated document should also be submitted.
3. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
4. After satisfactory fulfilment of all the above criteria / requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.

  
PREPARED BY

REVIEWED BY

  
APPROVED BY

**Sub : Sub-Qualifying Requirements for the 400 kV Switchyard**

We/ Our sub vendor ..... have Designed, Manufactured, Supplied, Erected / Supervised erection, Commissioned/ Supervised Commissioning of one (1) Gas Insulated Switchgear (GIS) Installation having at least Six (6) bays of 400 kV or above voltage class with a short circuit rating of not less than 50 kA for 1 second which are in successful operation for at least two (2) years prior to the date of techno-commercial bid opening as per stipulated requirements mentioned at Clause no. 5.14.1 of Chapter 04, "Provenness" , Volume II of Bidding documents. The details of above are as under:

Sl. No.	Item Description	Installation(s)
1	Client name and its address	
2	Name & Location of the Substation/ Switchyard	
3	Name and designation of the Contact person(s) of client Organization with Address, Telephone, Fax and email etc.	
4	Name of Contract	
5	Order ref. & Date	
6	Scope of work executed by us for aforesaid Contract includes :	
	i) Design	Yes*/ No*
	ii) Construction/ Erection	Yes*/ No*
	iii) Testing	Yes*/ No*
	iv) Commissioning	Yes*/ No*
7	Details of 400 kV or above Bays	
	a) Voltage level (in kV)	
	b) No. of bays	

Sl. No.	Item Description	Installation(s)
	c) Whether Gas Insulated Substation or not	Yes*/ No*
8	Date of Commissioning	
9	Date of commencement of successful operation	
10	No. of years in successful operation as on date of techno-commercial bid opening	
11	Certificate(s) from the client(s) & copy of LOA/P.O. are enclosed along with the bid at Annexure-... to this Attachment-3K	Yes*/ No*

## NOTE :

- For the purpose of qualifying requirements, one no of bay shall be considered as a bay used for line /transformer /reactor/ bus coupler/ bus transfer or bus section and comprising of at least one circuit breaker, two disconnectors and single phase current transformers.
- Bidder may give details of more than one installation for Owner's reference, if he so desires.

\* Bidder to strike-off whichever is not applicable.

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Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: HPGCL Yamuna Nagar

Enquiry/NIT No:

Name of the Bidder/ Bidding Firm / Company :

**PRICE SCHEDULE**  
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity*GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.01	Supply- GIS: 400kV, 63kA for 1Sec GIS with one and half breaker scheme as per the enclosed SLD, latest IEC standard & type tested equipment as per technical specification (For item sl. No. 1.01-1.19): SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - LINE GIS BAY	item1	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.02	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - GENERATOR TRANSFORMER GIS BAY	item2	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.03	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - STATION TRANSFORMER GIS BAY	item3	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.04	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - ICT/ TRANSFORMER BAY MODULE	item4	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.05	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - BUS REACTOR GIS BAY	item5	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.06	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - TIE GIS BAY	item6	4	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.07	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - BUSBAR GIS MODULE	item7	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.08	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - BUS VT MODULES & BUS EARTH SWITCH FOR MAIN BUS	item8	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.09	SUPPLY- GIS : 400KV, 63KA FOR 1S, ONE & HALF CIRCUIT BREAKER SCHEME - LA/ SURGE ARRESTER MODULE	item9	12	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.10	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - GAS INSULATED BUS DUCT FROM GIS BAY MODULES UPTO SF6 AIR BUSHINGS OF OUTGOING LINES/ BUS REACTOR/ GT/ ST	item10	900	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.11	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - SF6 TO AIR BUSHING	item11	15	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.12	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, 1-PHASE,SF6 TO OIL DIRECT TRANSFORMER CONNECTOR	item12	6	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.13	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, GIS BUS BAR EXTENSION MODULE (APPLICABLE ONLY IN CASE OF CHANGE IN STANDARD LENGTHS OF BUSBAR MODULES OF GIS/ STANDARD BAY PITCH DURING DETAILED ENGINEERING, ON ACCOUNT OF REASONS NOT ATTRIBUTED TO BIDDER. IN CASE THERE IS NO SUCH CHANGE, THE QUANTITY OF THIS ITEM SHALL BE REDUCED TO ZERO	item13	6	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.14	SUPPLY- GIS : ONE & HALF CIRCUIT BREAKER SCHEME - LOCAL CONTROL CUBICLES (LCC)	item14	12	Nos.	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.15	SUPPLY- GIS : 400KV, SF6 GAS REQUIRED FOR PLACING GIS INTO SUCCESSFUL OPERATION	item15	20	MT	INR			0.00			0.00		0.000	0.000	INR Zero Only

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Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: HPGCL Yamuna Nagar

Enquiry/NIT No:

Name of the Bidder/ Bidding Firm / Company :	
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PRICE SCHEDULE  
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
1.16	SUPPLY- GIS : 400KV, ONE & HALF CIRCUIT BREAKER SCHEME - STRUCTURE MATERIAL INCLUDING WALKWAY, PLATFORM, RAILING, FOUNDATION BOLTS, EMBEDDED ITEMS, RAILS AND/OR OTHER MATERIALS ETC.	item16	65	MT	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.17	SUPPLY- GIS : 400KV, ONE & HALF CIRCUIT BREAKER SCHEME - EARTHING MATERIALS INCLUDING HIGH FREQUENCY EARTHING, IF APPLICABLE	item17	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.18	SUPPLY- GIS : 400KV, ONE & HALF CIRCUIT BREAKER SCHEME - ONLINE CONTINUOUS PARTIAL DISCHARGE MONITORING SYSTEM (PDM) WITH ALL NECESSARY ACCESSORIES & AUXILIARIES FOR 400KV GIS & BUSDUCTS	item18	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
1.19	SUPPLY- GIS : CONTROLLED SWITCHING DEVICE (CSD) FOR GIS CB	item19	10	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.01	<b>Supply: Mandatory Maintenance Equipment &amp; Monitoring Equipment (For item sl. No. 2.01-2.04):</b> SUPPLY- GIS : 400KV, MANDATORY MAINTENANCE EQUIPMENT SUITABLE FOR GIS - SF6 GAS PROCESSING UNIT	item20	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.02	SUPPLY- GIS : 400KV, MANDATORY MAINTENANCE EQUIPMENT SUITABLE FOR GIS - SF6 GAS LEAKAGE DETECTOR	item21	2	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.03	SUPPLY- GIS : MANDATORY MONITORING EQUIPMENTS SUITABLE FOR GIS-DEW POINT METER	item22	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
2.04	SUPPLY- GIS : MANDATORY MONITORING EQUIPMENTS SUITABLE FOR GIS- PORTABLE PD MONITORING SYSTEM	item23	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.01	<b>Supply- Mandatory Spares for 400kV GIS (For item sl. No. 3.01-3.34):</b> SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - TRIP COIL ASSEMBLY WITH RESISTOR, AS APPLICABLE	item24	4	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.02	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - CLOSING COIL ASSEMBLY WITH RESISTOR, AS APPLICABLE	item25	4	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.03	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - RUBBER GASKET, O-RINGS AND SEALS FOR SF6 GAS	item26	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.04	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - MOTOR FOR CIRCUIT BREAKER OPERATING MECHANISM	item27	2	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.05	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - VALVE BLOCK WITH DRIVE CYLINDER FOR CIRCUIT BREAKERS	item28	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.06	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS- MOTOR FOR DISCONNECTORS	item29	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.07	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS- MOTOR FOR EARTHING SWITCH	item30	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only

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Tender Inviting Authority: BHEL TBG NOIDA

Name of Work: HPGCL Yamuna Nagar

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**PRICE SCHEDULE**  
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Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
3.08	SPARES- GIS : 420KV, MANDATORY SPARES SUITABLE FOR GIS- OPERATING MECHANISM FOR DISCONNECTORS	item31	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.09	SPARES- GIS : 420KV, MANDATORY SPARES SUITABLE FOR GIS- OPERATING MECHANISM FOR EARTHING SWITCH	item32	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.10	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 GAS IN NON-RETURNABLE CYLINDERS	item33	3	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.11	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CURRENT TRANSFORMER - COMPLETE CT WITH ENCLOSURE	item34	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.12	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 TO AIR BUSHING	item35	5	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.13	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SPARES FOR LOCAL CONTROL CABINET INCLUDING MCB, FUSES, TIMERS, AUX. RELAY OF EACH TYPE & RATING, TERMINAL OF EACH TYPE.	item36	4	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.14	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 GAS PRESSURE RELIEF DEVICE	item37	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.15	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 PRESSURE GAUGE WITH COUPLING DEVICE CUM SWITCH OR DENSITY MONITORS AND PRESSURE SWITCH, AS APPLICABLE	item38	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.16	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - MOLECULAR FILTER FOR SF6 GAS WITH FILTER BAGS	item39	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.17	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - COVERS WITH ALL ACCESSORIES NECESSARY TO CLOSE A COMPARTMENT IN CASE OF DISMANTLING OF ANY PART OF THE ENCLOSURE TO ENSURE THE SEALING OF THE COMPARTMENT	item40	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.18	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - LOCKING DEVICE TO KEEP DISCONNECTORS AND EARTHING SWITCHES IN CLOSE OR OPEN POSITION IN CASE OF REMOVAL OF THE DRIVING MECHANISM	item41	3	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.19	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - BUS SUPPORT INSULATOR	item42	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.20	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - RELAY OF EACH TYPE & RATING	item43	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.21	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS -ALL TYPES OF CORONA SHIELD	item44	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.22	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - WINDSCOPE/ OBSERVING WINDOW	item45	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.23	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - CIRCUIT BREAKER POLE COMPLETE WITH INTERRUPTER, MAIN CIRCUIT, ENCLOSURE AND MARSHALLING BOX WITH OPERATING MECHANISM	item46	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only

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Item Wise BoQ

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Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity* GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
3.24	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER- RELAYS, POWER CONTACTORS, PUSH BUTTONS, TIMERS & MCBS ETC.	item47	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.25	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - CLOSING ASSEMBLY / VALVE, IF APPLICABLE	item48	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.26	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - TRIP ASSEMBLY / VALVE, IF APPLICABLE	item49	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.27	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - RUPTURE DISC	item50	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.28	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - COMPLETE SET OF 3 NOS. OF SINGLE PHASE DISCONNECTOR INCLUDING MAIN CIRCUIT, ENCLOSURE AND DRIVING MECHANISM	item51	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.29	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - HIGH SPEED/ FAST ACTING FAULT MAKING GROUNDING SWITCH, INCLUDING MAIN CIRCUIT, ENCLOSURE AND DRIVING MECHANISM	item52	3	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.30	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - LIMIT SWITCHES AND AUXILIARY SWITCH FOR DISCONNECTOR	item53	3	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.31	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - LIMIT SWITCHES AND AUXILIARY SWITCH FOR EARTH SWITCH	item54	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.32	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - LIMIT SWITCHES AND AUXILIARY SWITCH - FOR FAST EARTHING SWITCH	item55	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.33	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS VOLTAGE TRANSFORMER - GIS VOLTAGE TRANSFORMER WITH ENCLOSURE	item56	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
3.34	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 GAS INSULATED SURGE ARRESTER WITH ENCLOSURE	item57	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only

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1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
4.01	Supply- Unit reference price of 400kV GIS part item/ equipment <i>GIS part item/ equipment shall be required for supply as a mandatory spares or any addition/ deletion of equipment, due to damage, theft, additional requirement by customer during detailed engineering or later stage. It is to be ensured by bidder that unit prices have a logical relationship with prices of assemblies in main items (Bay, Busbar etc). The reference prices shall be used for breakup rates, if required at any stage. The reference prices shall be considered for evaluation. (For item sl. No. 4.01-4.27):</i> SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM :CIRCUIT BREAKER (1 POLE COMPLETE WITH ENCLOSURE WITHOUT OPERATING MECHANISM)	item58	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.02	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : DISCONNECTOR WITHOUT OPERATING MECHANISM	item59	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.03	SUPPLY- GIS : REF UNIT PRICE ITEM : 400 KV MAINTENANCE EARTHING SWITCH WITHOUT OPERATING MECHANISM	item60	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.04	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV HIGH SPEED EARTH SWITCH WITHOUT OPERATING MECHANISM	item61	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.05	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SURGE ARRESTOR INCLUDING SURGE COUNTER	item62	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.06	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV CURRENT TRANSFORMER OF PS CLASS	item63	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.07	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV CURRENT TRANSFORMER OF 0.25 CLASS	item64	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.08	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV VOLTAGE TRANSFORMER	item65	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.09	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - OPERATING MECHANISM FOR CIRCUIT BREAKER	item66	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.10	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : OPERATING MECHANISM BOX FOR DISCONNECTOR (400KV)	item67	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.11	SUPPLY- GIS : REF UNIT PRICE ITEM :OPERATING MECHANISM FOR MAINTENANCE EARTHING SWITCH (400KV)	item68	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.12	SUPPLY- GIS : REF. UNIT PRICE ITEM- OPERATING MECHANISM FOR HIGH SPEED EARTHING SWITCH (400KV)	item69	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.13	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - 1 PHASE BUS BAR CONDUCTOR	item70	1	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only

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1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
4.14	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - 1-PHASE GIS METALLIC ENCLOSURE FOR BUS BAR/ ANY EQUIPMENT	item71	1	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.15	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - 1-PHASE CONDUCTOR FOR BUS DUCT	item72	1	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.16	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - 1-PHASE GIS METALLIC ENCLOSURE FOR BUS DUCT	item73	1	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.17	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - GAS PERMEABLE/ COMMUNICATION INSULATOR	item74	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.18	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - GAS NON-PERMEABLE/ NON - COMMUNICATION/ NON-BARRIER TYPE INSULATOR	item75	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.19	SUPPLY- GIS : REF UNIT PRICE ITEM : PD SENSOR( UHF TYPE)	item76	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.20	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : PRESSURE/ DENSITY MONITOR DEVICE & SWITCH	item77	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.21	SUPPLY- GIS : 400KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - PRESSURE RELIEF DEVICE	item78	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.22	SUPPLY- GIS : 400KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- RUPTURE DISC	item79	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.23	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - ELBOWS/ BEND/ CROSS AND T SECTION	item80	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.24	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- EXPANSION JOINTS	item81	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.25	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- FLEXIBLE CONNECTIONS	item82	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.26	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - GAS SEALS	item83	1	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
4.27	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : ENCLOSURE FOR LOCAL CONTROL CUBICLES (LCC)	item84	1	No.	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.01	<b>Services- 400kV GIS- Supervision of Erection, Testing &amp; Commissioning and handing over to Customer</b> <i>These activities shall be carried out at site in stages as per front availability at site, and hence multiple visits for completion of work are envisaged . (For item sl. No. 5.01-5.13):</i> SERVICES- GIS : 400KV, SITE VISIT FOR SUPERVISION OF UNLOADING & VERIFICATION OF MATERIALS FOR PROPER STORAGE & UP-KEEPING AT SITE	item85	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.02	SERVICES- GIS : 420KV, SUPERVISION OF ERECTION OF GIS BAYS INCLUDING LCC	item86	12	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.03	SERVICES- GIS : 400KV, SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	item87	900	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only

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1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
5.04	SERVICES- GIS : 400KV, SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	item88	15	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.05	SERVICES- GIS : 400KV, SUPERVISION OF ERECTION OF SF6 TO OIL DIRECT TRANSFORMER CONNECTOR	item89	6	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.06	SERVICES- GIS : 420KV, TESTING & COMMISSIONING OF GIS BAYS INCLUDING LCC	item90	12	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.07	SERVICES- GIS : 400KV, TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	item91	900	Mtr	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.08	SERVICES- GIS : 400KV, TESTING & COMMISSIONING OF GIS- FOR SF6 TO AIR BUSHING	item92	15	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.09	SERVICES- GIS : 400KV, TESTING & COMMISSIONING OF SF6 TO OIL DIRECT TRANSFORMER CONNECTOR	item93	6	No	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.10	SERVICES- GIS : 400KV, FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	item94	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.11	SERVICES- GIS : 400KV, INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	item95	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.12	SERVICES- GIS : 400KV, FINAL DOCUMENTATION	item96	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
5.13	SERVICES- GIS : 400KV, ERECTION, TESTING & COMMISSIONING OF COMPLETE ONLINE CONTINUOUS PD MONITORING SYSTEM (PDM) FOR 400KV GIS	item97	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.01	<b>Service- Training for 400kV GIS (For item sl. No. 6.01-6.03):</b> SERVICES- GIS : 400KV, TRAINING FOR GIS AT SITE	item98	25	Mandays	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.02	SERVICES- GIS : 400KV, TRAINING FOR GIS AT MANUFACTURER'S WORKS	item99	15	Mandays	INR			0.00			0.00		0.000	0.000	INR Zero Only
6.03	SERVICES- GIS : TRAINING FOR GIS TO BHEL ENGINEERS	item100	10	Mandays	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.01	<b>Service- Unit reference price of GIS service item</b> <i>Reference unit prices for service of Individual Item/ Equipment for any addition/ deletion of equipment, due to damage, theft, additional requirement by customer, any other reasons not attributable to vendor during detailed engineering/ contract execution. The reference prices shall be considered for evaluation. (For item sl. No. 7.01-7.05):</i> SERVICES- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR SUPERVISION OF ERECTION OF GIS	item101	10	Manday	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.02	SERVICES- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR TESTING & COMMISSIONING OF GIS	item102	10	Manday	INR			0.00			0.00		0.000	0.000	INR Zero Only

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Name of the Bidder/ Bidding Firm / Company :

**PRICE SCHEDULE**  
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

NUMBER #	TEXT #	TEXT #	NUMBER #	TEXT #	TEXT #	NUMBER #	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER #	NUMBER #	NUMBER #	TEXT #
Sl. No.	Item Description	Item Code / Make	Quantity	Units	Quoted Currency in INR / Other Currency	Unit RATE In Figures To be entered by the Bidder in Rs. P	GST (in Percentage)	GST Amount (Unit Rate*Quantity*GST) Rs. P	Unit Freight & Insurance Charges in Rs. P	GST (in Percentage)	GST Amount on F&I (Unit Rate*Quantity*GST) Rs. P	HSN / SAC Code	TOTAL Ex-Works + F & I AMOUNT excluding GST in Rs. P	TOTAL Ex-Works + F & I AMOUNT including GST in Rs. P	TOTAL AMOUNT In Words
1	2	3	4	5	12	13	14	15	16	20	21	51	53	54	55
7.03	SERVICES- GIS : 400KV, REF UNIT PRICE ITEM :DEMobilization & REMobilization CHARGES FOR GIS EREction SUPERVISION TEAM	item103	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.04	SERVICES- GIS : 400KV, REF UNIT PRICE ITEM :DEMobilization & REMobilization CHARGES FOR GIS TESTING & COMMISSIONING TEAM	item104	2	Set	INR			0.00			0.00		0.000	0.000	INR Zero Only
7.05	SERVICES- GIS : 400KV, REF UNIT PRICE ITEM :DEMobilization & REMobilization CHARGES HV TEST KIT ALONG WITH OPERATOR	item105	1	Lot	INR			0.00			0.00		0.000	0.000	INR Zero Only
<b>Total in Figures</b>													0.000	0.000	Zero Only
<b>otated Rate in Words</b>		<b>INR Zero Only</b>													

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
A			<b>Supply- GIS: 400kV, 63kA for 1Sec GIS with one and half breaker scheme as per the enclosed SLD, latest IEC standard &amp; type tested equipment as per technical specification</b>	<p>The 400KV, 2000A, 63kA for 1 sec, One and Half Breaker GIS complete with local control centre (LCC) etc with open future proof &amp; flexible system in line with IEC 61850 &amp; IEC 62271-203.</p> <p>GIS shall comprise following bays but not limited to (Refer attached Single Line Diagram),</p> <ul style="list-style-type: none"> <li>a) Two (2) Set of fully equipped Line Bays</li> <li>b) One (1) Set of fully equipped GT Bays</li> <li>c) Two (2) Set of fully equipped ST Bays</li> <li>d) Two (2) Set of fully equipped ICT Bays</li> <li>e) One (1) Set of fully equipped Bus Reactor Bay</li> <li>f) Four (4) Set of fully equipped Tie Bays</li> <li>g) Two (2) Sets of fully equipped Bus Voltage Transformer Bays with Bus Isolator and Grounding Switches and Bus LA.</li> </ul> <p>Typical bay includes but not limited to SF6 gas, Single Phase (isolated) Busbar, circuit breaker, current transformer, bus-bar disconnectors with common grounding switch, Motorised disconnectors with safety grounding switch(es), high speed fault making motorised grounding switch, Local control cubicle, SF6 gas monitoring system for complete GIS, SF6 bus duct termination arrangement including SF6 to air bushing module, PD sensor (adequate number of UHF sensors in the offered GIS equipment for detection of Partial discharge (of 5 pC and above) as per IEC 60270 through Online Partial Discharge (PD) monitoring system, different gas compartment, O- ring &amp; gaskets, Nuts, Bolts &amp; Washers, Absorbent, Limit Switch etc. to complete GIS modules &amp; its earthing arrangement for GIS equipment with earthing strips of adequate size (as per IEEE-80-2000 and CIGRE44 to protect operating staff against any hazardous touch voltages and electro-magnetic interferences) as per the technical specification.</p> <p>The Switchgear shall be complete with all necessary terminal boxes, inspection window, SF6 gas filling, inter-connecting wiring, grounding connections, gas monitoring equipment and piping, support structures etc.</p> <p>The scope of supply shall also include all erection and mounting hardwares and interconnecting power and control cables between GIS to LCC and between LCC to LCC including cable tray, glands, lugs, ferrules etc. However cables beyond LCC shall be supplied and laid by BHEL.</p>	<b>Header Item; Unit &amp; Quantity as per A1 to A19 below.</b>	
A1	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - LINE GIS BAY	TB9614657723	Fully equipped 400kV, 63kA, 2000A GIS - Line bay module	<p>400kV, 63kA for 1 sec, 2000A SF6 gas-insulated metal enclosed LINE bay module. Each set shall be complete &amp; shall comprise of but not limited to:</p> <ul style="list-style-type: none"> <li>a) ONE set of 3x1-phase, SF6 insulated circuit breaker, complete with operating mechanism (suitable for 1&amp;3 phase auto reclose).</li> <li>b) THREE sets of 3x1-phase group operated Disconnecter complete with manual and motor driven operating mechanisms.</li> <li>c) TWO sets of 3x1-phase, group operated maintenance Earthing Switches, complete with manual and motor driven operating mechanisms.</li> <li>d) ONE set of 3x1-phase, group operated High Speed Earthing Switches, complete with manual and motor driven operating mechanisms.</li> <li>e) TWO set of 3x1-phase, 3-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</li> <li>f) ONE set of 3x1-phase, 6-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</li> <li>g) One set of 3x1-phase, multi winding, Voltage Transformer as per single line diagram. (Winding details shall be finalised at detail engg. stage)</li> <li>h) UHF PD sensors, gas monitoring device, pressure relief device, busbar, insulators/ barriers, expansion joint/ flexible joints and other items as required.</li> </ul> <p>GIS bus duct, SF6 to air bushing module etc. are not included in this bay module and hence, these items are covered in separate BOQ items.</p>	Set	2

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
A2	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - GENERATOR TRANSFORMER GIS BAY	TB9614657704	Fully equipped 400kV, 63kA, 2000A GIS - GT bay module	<p>400kV, 63kA for 1 sec, 2000A SF6 gas-insulated metal enclosed GT bay module. Each set shall be complete &amp; shall comprise of but not limited to:</p> <p>a) ONE set of 3x1-phase, SF6 insulated circuit breaker, complete with operating mechanism (suitable for 1&amp;3 phase auto reclose)</p> <p>b) THREE sets of 3x1-phase group operated Disconnecter complete with manual and motor driven operating mechanisms.</p> <p>c) TWO sets of 3x1-phase, group operated maintenance Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>d) ONE set of 3x1-phase, group operated High Speed Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>e) TWO set of 3x1-phase, 3-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>f) ONE set of 3x1-phase, 6-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>g) One set of 3x1-phase, multi winding, Voltage Transformer as per single line diagram. (Winding details shall be finalised at detail engg. stage)</p> <p>h) UHF PD sensors, gas monitoring device, pressure relief device, busbar, insulators/ barriers, expansion joint/ flexible joints and other items as required.</p> <p>GIS bus duct, SF6 to air bushing module etc. are not included in this bay module and hence, these items are covered in separate BOQ items.</p>	Set	1
A3	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - STATION TRANSFORMER GIS BAY	TB9614659005	Fully equipped 400kV, 63kA, 2000A GIS - ST bay module	<p>400kV, 63kA for 1 sec, 2000A, SF6 gas-insulated metal enclosed ST bay module. Each set shall be complete &amp; shall comprise of but not limited to:</p> <p>a) ONE set of 3x1-phase, SF6 insulated circuit breaker, complete with operating mechanism (suitable for 1&amp;3 phase auto reclose)</p> <p>b) THREE sets of 3x1-phase group operated Disconnecter complete with manual and motor driven operating mechanisms.</p> <p>c) TWO sets of 3x1-phase, group operated maintenance Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>d) ONE set of 3x1-phase, group operated High Speed Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>e) TWO set of 3x1-phase, 3-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>f) ONE set of 3x1-phase, 6-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>g) One set of 3x1-phase, multi winding, Voltage Transformer as per single line diagram. (Winding details shall be finalised at detail engg. stage)</p> <p>h) UHF PD sensors, gas monitoring device, pressure relief device, busbar, insulators/ barriers, expansion joint/ flexible joints and other items as required.</p> <p>GIS bus duct, SF6 to air bushing module etc. are not included in this bay module and hence, these items are covered in separate BOQ items.</p>	Set	2

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
A4	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - ICT/ TRANSFORMER BAY MODULE	TB9614658346	Fully equipped 400kV, 63kA, 2000A GIS - ICT bay module - with CSD	<p>400kV, 63kA for 1 sec, 2000A, SF6 gas-insulated metal enclosed ICT bay module. Each set shall be complete &amp; shall comprise of but not limited to:</p> <p>a) ONE set of 3x1-phase, SF6 insulated circuit breaker, complete with operating mechanism (suitable for 1&amp;3 phase auto reclose)</p> <p>b) THREE sets of 3x1-phase group operated Disconnecter complete with manual and motor driven operating mechanisms.</p> <p>c) TWO sets of 3x1-phase, group operated maintenance Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>d) ONE set of 3x1-phase, group operated High Speed Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>e) TWO set of 3x1-phase, 3-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>f) ONE set of 3x1-phase, 6-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>g) One set of 3x1-phase, multi winding, Voltage Transformer as per single line diagram. (Winding details shall be finalised at detail engg. stage)</p> <p>h) UHF PD sensors, gas monitoring device, pressure relief device, busbar, insulators/ barriers, expansion joint/ flexible joints and other items as required.</p> <p>GIS bus duct, SF6 to air bushing module etc. are not included in this bay module and hence, these items are covered in separate BOQ items.</p>	Set	2
A5	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - BUS REACTOR GIS BAY	TB9614658332	Fully equipped 400kV, 63kA, 2000A GIS - Bus Reactor bay module - with CSD	<p>400kV, 63kA for 1 sec, 2000A, SF6 gas-insulated metal enclosed BUS REACTOR bay module. Each set shall be complete &amp; shall comprise of but not limited to:</p> <p>a) ONE set of 3x1-phase, SF6 insulated circuit breaker, complete with operating mechanism (suitable for 1&amp;3 phase auto reclose)</p> <p>b) THREE sets of 3x1-phase group operated Disconnecter complete with manual and motor driven operating mechanisms.</p> <p>c) TWO sets of 3x1-phase, group operated maintenance Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>d) ONE set of 3x1-phase, group operated High Speed Earthing Switches, complete with manual and motor driven operating mechanisms.</p> <p>e) TWO set of 3x1-phase, 3-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>f) ONE set of 3x1-phase, 6-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage).</p> <p>g) One set of 3x1-phase, multi winding, Voltage Transformer as per single line diagram. (Winding details shall be finalised at detail engg. stage)</p> <p>h) UHF PD sensors, gas monitoring device, pressure relief device, busbar, insulators/ barriers, expansion joint/ flexible joints and other items as required.</p> <p>GIS bus duct, SF6 to air bushing module etc. are not included in this bay module and hence, these items are covered in separate BOQ items.</p>	Set	1

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
A6	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - TIE GIS BAY	TB9614651124	Fully equipped 400kV, 63kA, 2000A GIS - Tie GIS bay module	400kV, 63kA for 1 sec, 2000A, SF6 gas-insulated metal enclosed TIE bay module. Each set shall be complete & shall comprise of but not limited to: a) ONE set of 3x1-phase, SF6 insulated circuit breaker, complete with operating mechanism (suitable for 1&3 phase auto reclose) b) TWO sets of 3x1-phase group operated Disconnecter complete with manual and motor driven operating mechanisms. c) FOUR sets of 3x1-phase, group operated maintenance Earthing Switches, complete with manual and motor driven operating mechanisms. d) TWO set of 3x1-phase, 4-CORE, multi ratio, Current Transformers as per single line diagram (Core details shall be finalised at detail engg. stage). f) UHF PD sensors, gas monitoring device, pressure relief device, busbar, insulators/ barriers, expansion joint/ flexible joints and other items as required.  GIS bus duct, SF6 to air bushing module etc. are not included in this bay module and hence, these items are covered in separate BOQ items.	Set	4
A7	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - BUSBAR GIS MODULE	TB9614659056	400kV, 63kA, 2000A GIS - Busbar GIS module	One set of three single phase (isolated), 400kV, 2000A, 63kA for 1 sec, SF6 gas-insulated metal enclosed bus bars, each comprising of but not limited to: a) Three individual 2000A bus bars enclosures running across the length of the switchgear to inter connect each of the circuit breaker bay modules in one and half breaker bus system. b) UHF PD sensors, Gas monitoring systems, pressure switches, telescopic enclosure etc. as required. c) UHF PD sensors, gas monitoring device, pressure relief device, pressure switches, telescopic enclosure, insulators/ barriers, expansion joint/ flexible jointsetc. and any other items as required.  Length of bus bar to be indicated by bidder.	Set	2
A8	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - BUS VT MODULES & BUS EARTH SWITCH FOR MAIN BUS	TB9614659065	400kV, 63kA, 2000A GIS - Bus VT Modules & Bus High Speed Earth Switch for Main Bus	400kV, 63kA for 1 sec, 2000A, SF6 gas insulated Bus VT bay module, Disconnecter module with Earth switches connected to Main Bus Bars, each comprising of but not limited to: a) ONE sets of 3x1-phase group operated Disconnecter complete with manual and motor driven operating mechanisms. b) TWO set of 3x1-phase, group operated High Speed Earthing Switches, complete with manual and motor driven operating mechanisms. c) ONE set of 3x1-phase, 3-secondary, Voltage Transfomer as per single line diagram. d) UHF PD sensors, gas monitoring device, pressure relief device, busbar, insulators/ barriers, expansion joint/ flexible joints and other items as required.	Set	2
A9	SUPPLY- GIS : 400KV, 63KA FOR 1S, ONE & HALF CIRCUIT BREAKER SCHEME - LA/ SURGE ARRESTER MODULE	TB9614609031	400kV, 63kA GIS - LA/ Surgre arrester Module for Main Bus & ICT Bays	LA/ Surge Arrester Module, comprising of following but not limited to, (a) ONE no. of single phase LA/Surge Arrester along with enclosure for one bus bar section with surge monitor/ counter (b) LA/ Surge Arrester Module shall have the provision of link for temporary isolation during HV testing at site. (c) Number of LA/ Surge arrester and their rating shall be decided based on insulation co-ordination / transient analysis studies for the GIS system. Insulation Coordination study is in bidder scope. However the LA indicated in SLD are the minimum numbers of LA to be provided by bidder.	No.	12
A10	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - GAS INSULATED BUS DUCT FROM GIS BAY MODULES UPTO SF6 AIR BUSHINGS OF OUTGOING LINES/ BUS REACTOR/ GT/ ST	TB9614659042	400kV, 63kA, 2000A GIS - Gas Insulated Bus Duct from GIS bay modules upto SF6 Air bushings of Outgoing Lines/ Bus Reactor/ GT/ ST/ ICT	400kV, 63kA for 1 sec for insulated Bus Duct, 2000A ,SF6 gas insulated GIS Bus Duct shall be complete & shall comprise of but not limited to: a) Single phase (isolated) SF6 ducts along with all accessories, bends, joints etc to connect 400kV GIS bay modules to SF6 Air bushings of Outgoing Lines/ Bus Reactor/ GT/ ST/ ICT b) UHF PD sensors, Gas monitoring devices, barriers, pressure switches, etc. as required.  The total tentative length indicated is the sum of all 1 phase SF6 bus duct from end of respective bay to SF6 to air bushing/ connection. However, exact length shall be decided during detailed engineering stage.The GI Bus duct length is to be calculated from the end of the GIS module and shall include both the indoor and outdoor GIB.	Mtr	900

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
A11	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, ONE & HALF CIRCUIT BREAKER SCHEME - SF6 TO AIR BUSHING	TB9614651223	400kV, 63kA, 2000A GIS - SF6 to Air bushing	400kV, 2000A, 63 kA for 1 sec, 31mm/kV creepage, SF6 to Air Bushing for Over head connection of Outgoing Lines/ Bus Reactor/ GT/ ST bays with GIS.	No	15
A12	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, 1-PHASE,SF6 TO OIL DIRECT TRANSFORMER CONNECTOR	TB9614654151	400kV, 63kA, 2000A GIS - SF6 to Oil direct transformer connector	400kV, 2000A, 63 kA for 1 sec, Single phase, SF6 to Oil direct transformer connector as per IEC62271-211	No	6
A13	SUPPLY- GIS : 400KV, 63KA FOR 1S, 2000A, GIS BUS BAR EXTENSION MODULE (APPLICABLE ONLY IN CASE OF CHANGE IN STANDARD LENGTHS OF BUSBAR MODULES OF GIS/ STANDARD BAY PITCH DURING DETAILED ENGINEERING, ON ACCOUNT OF REASONS NOT ATTRIBUTED TO BIDDER. IN CASE THERE IS NO SUCH CHANGE, THE QUANTITY OF THIS ITEM SHALL BE REDUCED TO ZERO	TB9614659201	400kV, 63kA, 2000A GIS - GIS Bus bar Extension Module (Applicable only in case of change in standard lengths of busbar modules of GIS/ standard bay pitch during detailed engineering, on account of reasons not attributed to bidder. In case there is no such change, the quantity of this item shall be reduced to zero.)	400kV, 63kA for 1 sec, 2000A, Bus bar extension module for connection between bays, comprising of following but not limited to, (a) 1 phase isolated Bus bar module section shall be used for connection between sections of bus bars to create electrical connectivity due to shifting of GIS bays, arising due to civil and architectural requirements, avoiding building column fouling or expansion joint in the building that houses GIS. (b) This module shall include the bellows/ compensators like lateral mounting units, Axial compensators, Parallel compensators, tolerance compensators and vibration compensators etc. as per requiremnts. c) UHF PD sensors, gas monitoring device, pressure relief device, insulator, expansion joint/ flexible joints etc. as required.	Mtr	6
A14	SUPPLY- GIS : ONE & HALF CIRCUIT BREAKER SCHEME - LOCAL CONTROL CUBICLES (LCC)	TB9610001316	400kV GIS - Local Control Cabinet (LCC)	Local Control Cabinet (LCC) shall be provided for all Outgoing Lines/ Bus Reactor/ GT/ ST/ ICT bays including cables between GIS & LCC. However, it may please be noted that any additional requiremenst of LCC (for Bus VT, DS, ES & Bus LA etc.), other than quantity mentioned in BOQ, during detailed engineering stage shall not be payable. All equipments are to be incorporated in BOQ quantity by bidder.	Nos.	12
A15	SUPPLY- GIS : 400KV, SF6 GAS REQUIRED FOR PLACING GIS INTO SUCCESSFUL OPERATION	TB9614005596	400kV GIS - SF6 gas required for placing GIS into successful operation	First filling of SF6 gas for the equipment supplied plus an additional quantity sufficient for conducting all tests on equipment at site before placing it into successful operation. Bidder shall supply spare SF6 gas equal to 20% of the total requirement for the 400KV GIS circuit breaker in non-returnable cylinder. Bidder to indicate quantity with break up during detailed engineering.	MT	20
A16	SUPPLY- GIS : 400KV, ONE & HALF CIRCUIT BREAKER SCHEME - STRUCTURE MATERIAL INCLUDING WALKWAY, PLATFORM, RAILING, FOUNDATION BOLTS, EMBEDDED ITEMS, RAILS AND/ OR OTHER MATERIALS ETC.	TB9614001273	Supply of structure material for Installation of 400kV GIS including support structure for GIS ducts, SF6 to air bushings, supports, platforms, ladders, foundation bolts, embedded parts in floors, Rails etc., which are required for installation of GIS as per the specification.	Structure Materials for support of GIS, Bus Ducts, SF6 to air bushing/ connection including Foundation Bolts, Embedded Items, Rails and/ or any other structural items required. All steel structure members shall be hot-dip galvanized after fabrication. Unless otherwise specified, minimum mass of zinc coating for <b>Galvanizing shall be 610 gm/square meter</b> . All field assembly joints shall be bolted and hence, Field welding shall not be acceptable. Noncorrosive metal or plated steel shall be used for bolts and nuts throughout the work. Bidder shall provide suitable foundation channels and anchor bolts to support the switchgear assemblies. All anchor fasteners, mounting bolts, nuts and washers shall be provided to fasten the switchgear base frames to the foundation channels. In addition to above, supports, platforms, walkway, catwalk, foundation bolts, embedded parts in floors etc., are also included in the scope as per the specification, but not limited to the following, (a) Base Plate, Channel, Metallic / Structural Member/ Rail for seating of GIS system (b) Lattice / Pipe structure required for GIS bay, GIB, SF6 to air bushing/ connection. (c) Foundation bolt / Anchor Fastener for GIS system, if required. (d) Equipment fixing hardware. (e) Cable tray arrangement (mounted on structures of) GIS bay, GIB, SF6 to air bushing/ connection. (f) Any other structural item required to complete the system in all respects but not limited to above.  The civil works shall be done based on bidder's design & drawings.	MT	65

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
A17	SUPPLY- GIS : 400KV, ONE & HALF CIRCUIT BREAKER SCHEME - EARTHING MATERIALS INCLUDING HIGHFREQUENCY EARTHING, IF APPLICABLE	TB9614001285	Supply of Earthing material for 400kV GIS including High frequency earthing material, if required. The quantity shall be estimated & provided by bidder	Earthing Materials, except 40mm MS rod, 75x12mm (or 75x10)/ 50x6mm (or 40x6) GI Flat, which shall be provided by BHEL as free issue items, but, exact quantity requirement shall be intimated by bidder based on the approved earthing philosophy, and Supervision of erection of all earthing connection for GIS to Earth Mesh on Floor shall be in scope including any special requirements including high frequency earthing. In case, high frequency earthing is not required, necessary design and calculations shall be submitted by bidder in line with IEEE-80-2000 and CIGRE44 to protect operating staff against any hazardous touch voltages and electro-magnetic interferences as per the technical specification. For further details, Please refer Section-2 along with applicable drawing.  Bidder shall define clearly what constitutes the main grounding bus of the GIS. Bidder must supply, commission the entire grounding work of GIS viz conductor, clamps, joints, bimetallic strips (for connection between different type of earthing materials), operating and safety platforms etc.  Bidder shall provide suitable measure to mitigate transient enclosure voltage caused by high frequency currents caused by lightning strikes, operation of surge arrester, phase/earth fault and discharge between contracts during switching operation.	Lot	1
A18	SUPPLY- GIS : 400KV, ONE & HALF CIRCUIT BREAKER SCHEME - ONLINE CONTINUOUS PARTIAL DISCHARGE MONITORING SYSTEM (PDM) WITH ALL NECESSARY ACCESSORIES & AUXILIARIES) FOR 400KV GIS & BUSDUCTS	TB9614009022	Online continuous Partial Discharge Monitoring System (PDM) with all necessary accessories & auxiliaries) complete for 400kV GIS & Busducts	Online continuous Partial Discharge Monitoring System (PDM) for 400kV GIS have following but not limited to, 400kV GIS equipment system shall have Online continuous Partial Discharge Monitoring System (PDM) system to provide an automatic facility for the simultaneous collection of PD data at multiple points on the GIS & its associated GIB ducts and Voltage Transformers adopting UHF technique & the data stored shall provide a historical record of the progress of PD sources and shall identify the areas of maximum activity. PDM system shall be interfacing with UHF PD couplers provided.The PD Monitoring PC Work Station alongwith all accessories shall be considered. Power supply to PDM PC shall have protection against surges, overload and short circuit. A dedicated on-line UPS system shall also be provided as a backup during supply interruption, to ensure trouble-free & reliable running of the PDM System for a minimum of 15 minutes duration.	Lot	1
A19	SUPPLY- GIS : CONTROLLED SWITCHING DEVICE (CSD)FOR GIS CB	TB9610003401	Controlled switching device (CSD)for GIS CB	1Set= complete for 3-Ph circuit breaker, CSD to be provided in for CIRCUIT BREAKERS as per single line diagram attached with technical specification	Set	10
<b>B</b>			<b>Supply: Mandatory Maintenance Equipment &amp; Monitoring Equipment</b>	<b>Mandatory Maintenance Equipment shall be shipped in separate containers, clearly marked with the name of the equipment for which they are intended.</b>	<b>Header Item; Unit &amp; Quantity as per B1 to B4 below.</b>	
B1	SUPPLY- GIS : 400KV, MANDATORY MAINTENANCE EQUIPMENT SUITABLE FOR GIS - SF6 GAS PROCESSING UNIT	TB9614000065	SF6 gas processing unit (Portable)	Complete requirement as per TS section 2: 4.19.00 (Ch 4 : GIS)	No.	1
B2	SUPPLY- GIS : 400KV, MANDATORY MAINTENANCE EQUIPMENT SUITABLE FOR GIS - SF6 GAS LEAKAGE DETECTOR	TB9614001433	SF6 Gas leak detector (Portable)		No.	2
B3	SUPPLY- GIS : MANDATORY MONITORING EQUIPMENTS SUITABLE FOR GIS-DEW POINT METER	TB9610007963	Dew Point Meter		No.	1
B4	SUPPLY- GIS : MANDATORY MONITORING EQUIPMENTS SUITABLE FOR GIS- PORTABLE PD MONITORING SYSTEM	TB9610007972	Portable PD Monitoring System for Gas Insulated Switchgear		No.	1

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
C			Supply- Mandatory Spares for 400kV GIS		Header Item; Unit & Quantity as per C1 to C34 below.	
C1	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - TRIP COIL ASSEMBLY WITH RESISTOR, AS APPLICABLE	TB8614001813	Trip Coil assembly with resistor for circuit breaker as applicable	1 Set= 1 nos. of each type	Set	4
C2	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - CLOSING COIL ASSEMBLY WITH RESISTOR, AS APPLICABLE	TB8614001825	Closing Coil assembly with resistor for circuit breaker as applicable	1 Set= 1 nos. of each type	Set	4
C3	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - RUBBER GASKET, O-RINGS AND SEALS FOR SF6 GAS	TB8614001551	Rubber gaskets, "O" Rings and seals for SF6 gas, including Circuit Breaker, Disconnecter and other GIS equipment's	1 Set=6 nos. of each type	Set	1
C4	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - MOTOR FOR CIRCUIT BREAKER OPERATING MECHANISM	TB8614000071	Motor for circuit breaker operating mechanism (If applicable)		No.	2
C5	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - VALVE BLOCK WITH DRIVE CYLINDER FOR CIRCUIT BREAKERS	TB8614009876	Valve block with drive cylinder for circuit breakers	1 Set= 1 nos. of each type	Set	2
C6	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS- MOTOR FOR DISCONNECTORS	TB8614005552	Motor for disconnectors		No.	1
C7	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS- MOTOR FOR EARTHING SWITCH	TB8614005546	Motor for earthing switch		No.	1
C8	SPARES- GIS : 420KV, MANDATORY SPARES SUITABLE FOR GIS- OPERATING MECHANISM FOR DISCONNECTORS	TB8614005521	Operating mechanism for disconnectors	1 Set= 1 nos. of each type	Set	1
C9	SPARES- GIS : 420KV, MANDATORY SPARES SUITABLE FOR GIS- OPERATING MECHANISM FOR EARTHING SWITCH	TB8614005515	Operating mechanism for earthing switch	1 Set= 1 nos. of each type	Set	1
C10	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 GAS IN NON-RETURNABLE CYLINDERS	TB8614008525	SF6 gas	1 NO.= 1 NO. of 40kg of SF6 Gas cylinder	No.	3
C11	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CURRENT TRANSFORMER - COMPLETE CT WITH ENCLOSURE	TB8614003385	Current Transformer- Complete CT, as applicable, with enclosure, as applicable	1 Set= 1 no. of each type & rating	Set	1

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
C12	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 TO AIR BUSHING	TB8614003195	SF6 to air bushing for 1 phase enclosure		No.	5
C13	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SPARES FOR LOCAL CONTROL CABINET INCLUDING MCB, FUSES, TIMERS, AUX. RELAY OF EACH TYPE & RATING, TERMINAL OF EACH TYPE.	TB8614001745	Spares for Local control cabinet: MCB, fuses, timers, <b>Control switch</b> & Aux Relay of each type & rating, terminals of each type	1 Set= 1 nos. of each type	Set	4
C14	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 GAS PRESSURE RELIEF DEVICE	TB8614001601	SF6 gas pressure Relief Devices	1 Set= 3 nos. of each type	Set	2
C15	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 PRESSURE GAUGE WITH COUPLING DEVICE CUM SWITCH OR DENSITY MONITORS AND PRESSURE SWITCH, AS APPLICABLE	TB8614001611	SF6 Pressure gauge with coupling device cum switch or density monitors and pressure gauge, as applicable	1 Set= 1 nos. of each type	Set	1
C16	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - MOLECULAR FILTER FOR SF6 GAS WITH FILTER BAGS	TB8614001561	Molecular filter for SF6 gas with filter bags	1set -20% total quantity of absorber bags used in GIS	Set	1
C17	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - COVERS WITH ALL ACCESSORIES NECESSARY TO CLOSE A COMPARTMENT IN CASE OF DISMANTLING OF ANY PART OF THE ENCLOSURE TO ENSURE THE SEALING OF THE COMPARTMENT	TB8614001591	Covers with all accessories necessary to close a compartment in case of dismantling of any part of the Enclosure to ensure the sealing of the compartment for 1 phase enclosure	1 Set= 3 nos. of each type	Set	1
C18	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - LOCKING DEVICE TO KEEP DISCONNECTORS AND EARTHING SWITCHES IN CLOSE OR OPEN POSITION IN CASE OF REMOVAL OF THE DRIVING MECHANISM	TB8614001721	Locking device to keep the Dis-connectors and Earthing switches in close or open position in case of removal of the driving mechanism (If applicable)		No.	3
C19	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - BUS SUPPORT INSULATOR	TB8614001732	Bus support insulator of each type for single phase enclosure	1 Set= 6 nos. of each type	Set	1
C20	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - RELAY OF EACH TYPE & RATING	TB8614009936	Relay of each type & rating	1 no. of each type which is not covered in any other mandatory spare line item shall be supplied under this line item (if applicable)	No.	1
C21	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS -ALL TYPES OF CORONA SHIELD	TB8614009102	All types of Corona shield	1 Set= 3 nos. of each type	Set	1
C22	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - WINDOSCOPE/ OBSERVING WINDOW	TB8614001923	Window scope/ Observing window (if applicable)	1 Set= 3 nos. of each type	Set	1

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
C23	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - CIRCUIT BREAKER POLE COMPLETE WITH INTERRUPTER, MAIN CIRCUIT, ENCLOSURE AND MARSHALLING BOX WITH OPERATING MECHANISM	TB8614001771	Circuit Breaker:-Complete Circuit Breaker 1 phase pole of each type & rating complete with interrupter, main circuit and enclosure with operating mechanism	1 Set= 1 nos. of each type	Set	1
C24	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER- RELAYS, POWER CONTACTORS, PUSH BUTTONS, TIMERS & MCBS ETC.	TB8614001865	Relays, Power contactors, push buttons, timers & MCBs etc of each type & rating (If applicable)	1 Set= 1 nos. of each type	Set	1
C25	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - CLOSING ASSEMBLY / VALVE, IF APPLICABLE	TB8614001875	Closing assembly/ valve (If applicable)	1 Set= 3 nos. of each type	Set	2
C26	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - TRIP ASSEMBLY / VALVE, IF APPLICABLE	TB8614001882	Trip assembly/ valve (If applicable)	1 Set= 3 nos. of each type	Set	2
C27	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS CIRCUIT BREAKER - RUPTURE DISC	TB8614001914	Rupture disc (If applicable)	1 Set= 3 nos. of each type	Set	1
C28	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - COMPLETE SET OF 3 NOS. OF SINGLE PHASE DISCONNECTOR INCLUDING MAIN CIRCUIT, ENCLOSURE AND DRIVING MECHANISM	TB8614009172	Disconnecter:-Complete set of 3 nos. of single phase disconnecter including main circuit, enclosure and driving mechanism	1 Set= 3 nos. of single phase disconnecter including main circuit, enclosure and driving mechanism complete in all respect	Set	1
C29	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - HIGH SPEED/ FAST ACTING FAULT MAKING GROUNDING SWITCH, INCLUDING MAIN CIRCUIT, ENCLOSURE AND DRIVING MECHANISM	TB8614007765	High speed/ fast acting fault making grounding switch, 3 nos. of single phase of each rating, including main circuit, enclosure and driving mechanism	1 Set= 3 nos. of single phase of each rating of High speed/ fast acting fault making grounding switch , including main circuit, enclosure and driving mechanism	Set	3
C30	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - LIMIT SWITCHES AND AUXILIARY SWITCH FOR DISCONNECTOR	TB8614002123	Limit switches and Aux. switches for complete 3-phase Disconnecter		Set	3
C31	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - LIMIT SWITCHES AND AUXILIARY SWITCH FOR EARTH SWITCH	TB8614002114	Limit switches and Aux. switches for complete 3-phase earth switch		Set	1

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
C32	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS DISCONNECTOR - LIMIT SWITCHES AND AUXILIARY SWITCH - FOR FAST EARTHING SWITCH	TB8614003312	Limit switches and Aux. switches for complete 3-phase High speed earth switch		Set	1
C33	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS VOLTAGE TRANSFORMER - GIS VOLTAGE TRANSFORMER WITH ENCLOSURE	TB8614008681	Gas Insulated complete Voltage Transformer with enclosure.		No.	1
C34	SPARES- GIS : 400KV, MANDATORY SPARES SUITABLE FOR GIS - SF6 GAS INSULATED SURGE ARRESTER WITH ENCLOSURE	TB8614007923	SF6 Gas Insulated Surge Arrestor with enclosure (each type)		No.	1
<b>D</b>			<b>Services- 400kV GIS- Supervision of Erection, Testing &amp; Commissioning and handing over to Customer</b>	<b>These activities shall be carried out at site in stages as per front availability at site, and hence multiple visits for completion of work are envisaged.</b>	<b>Header Item; Unit &amp; Quantity as per D1 to D13 below.</b>	
D1	SERVICES- GIS : 400KV, SITE VISIT FOR SUPERVISION OF UNLOADING & VERIFICATION OF MATERIALS FOR PROPER STORAGE & UP-KEEPING AT SITE	TB3614002781	Site visit for supervision of unloading & verification of 400kV GIS materials for proper storage and up-keeping at site	Site visit for supervision of unloading & verification of materials for proper storage and up-keeping at site includes following activities but not limited to, (a) Supervision of safe unloading of GIS & its accessories at site. (b) Reconciliation, storage & upkeeping of materials, with due instructions/ training to site persons for long storage.	Lot	1
D2	SERVICES- GIS : 420KV, SUPERVISION OF ERECTION OF GIS BAYS INCLUDING LCC	TB3614007076	Supervision of erection of 400kV GIS bays including LCC	Supervision of complete GIS bays along with all bay equipment such as GIS extension module, GIS bus extension module, voltage transformer, Surge Arrestor, LCC including structure, cabling, earthing & other associated activities shall be included in the scope. Consumables required for successful erection is included in bidder's scope. Payment shall be made on actual measurement basis, if required.	No	12
D3	SERVICES- GIS : 400KV, SUPERVISION OF ERECTION OF GAS INSULATED BUS DUCT	TB3614005684	Supervision of erection of 400kV Gas insulated bus duct	Supervision of erection of GIS- gas insulated bus duct including support structure, earthing & other associated activities shall be included in the scope. The GIS bus duct quantity will be calculated from the end of the GIS module and shall include both the indoor and outdoor GIS. Consumables required for successful erection is included in bidder's scope. Payment shall be made on actual measurement basis, if required.	Mtr	900
D4	SERVICES- GIS : 400KV, SUPERVISION OF ERECTION OF SF6 TO AIR BUSHING	TB3614005696	Supervision of erection of 400kV SF6 to air bushing/ connection	Supervision of erection of SF6 to Air bushing including support structure, earthing & other associated activities shall be included in the scope. Consumables required for successful erection is included in bidder's scope. Payment shall be made on actual measurement basis, if required.	No	15
D5	SERVICES- GIS : 400KV, SUPERVISION OF ERECTION OF SF6 TO OIL DIRECT TRANSFORMER CONNECTOR	TB3614005501	Supervision of erection of 400kV SF6 to Oil direct transformer connector	Supervision of erection of SF6 to Oil direct transformer connector including support structure, earthing & other associated activities shall be included in the scope. Consumables required for successful erection is included in bidder's scope.	No	6
D6	SERVICES- GIS : 420KV, TESTING & COMMISSIONING OF GIS BAYS INCLUDING LCC	TB3614007082	Testing & commissioning of 400kV GIS bays including LCC	Testing & commissioning of complete GIS bays including other associated activities in line with site acceptance testing as per customer approved SAT procedure shall be in bidder's scope. Consumables required for successful commissioning is included in bidder's scope. Payment shall be made on prorata basis, if required.	No	12
D7	SERVICES- GIS : 400KV, TESTING & COMMISSIONING OF GAS INSULATED BUS DUCT	TB3614005664	Testing & commissioning of 400kV GIS Gas insulated bus duct	Testing & commissioning of GIS- gas insulated bus duct including support structure, earthing & other associated activities shall be included in the scope. Consumables required for successful commissioning is included in bidder's scope. Payment shall be made on actual measurement basis, if required.	Mtr	900
D8	SERVICES- GIS : 400KV, TESTING & COMMISSIONING OF GIS- FOR SF6 TO AIR BUSHING	TB3614002902	Testing & commissioning of 400kV SF6 to air bushing/ connection	Testing & commissioning of SF6 to Air Bushing including support structure, earthing & other associated activities shall be included in the scope. Payment shall be made on actual measurement basis, if required.	No	15

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
D9	SERVICES- GIS : 400KV, TESTING & COMMISSIONING OF SF6 TO OIL DIRECT TRANSFORMER CONNECTOR	TB3614005495	Testing & commissioning of 400kV SF6 to Oil direct transformer connector	Testing & commissioning of SF6 to Oil direct transformer connector including support structure, earthing & other associated activities shall be included in the scope. Consumables required for successful erection is included in bidder's scope. Payment shall be made on actual measurement basis, if required.	No	6
D10	SERVICES- GIS : 400KV, FINAL SUCCESSFUL HV/ POWER FREQUENCY TESTING OF GIS INCLUDING ARRANGING OF HV TEST KIT ALONG WITH OPERATOR	TB3614002911	Final Successful High Voltage/ Power Frequency Testing of complete 400kV GIS	Carrying out successful HV/ Power Frequency Testing of complete (all bays) GIS as per IEC including <b>one time</b> arrangement of HV Test kit (on returnable basis) shall be in scope of bidder, which includes charges of HV test kit with operator, accessories & tools required for completion of HV testing. No delay shall be permitted on account of the non availability of the HV test kit. Payment shall be made on the basis site certification.  Bays may be commissioned separately. In case the HV testing of any bay is not completed due to reasons not attributed to bidder, the HV testing kit mobilization and demobilization shall be covered under separate unit ref. item of this BOQ. However, the payment of Successful High Voltage/ Power Frequency Testing of of balance bays in such a scenario, shall be done on prorata basis i.e. total cost quoted for complete GIS Lot/ total no. of bays.	Lot	1
D11	SERVICES- GIS : 400KV, INSULATION CO-ORDINATION STUDIES FOR GIS SYSTEM	TB3614002926	Insulation Co-ordination including VFTO Studies for 400kV GIS System	Bidder shall conduct insulation co-ordination study in line with IEC 600071-2006.and any other technical requirement for successful operation of GIS. In case of non availability of exact input details, same shall be done on basis of standard inputs available and shall be revised, if required after availability of exact input details. Payment shall be made on the basis engineering certification.	Lot	1
D12	SERVICES- GIS : 400KV, FINAL DOCUMENTATION	TB3614002932	Final Documentation of 400kV GIS	Final Documentation including As Built Drawing/ Document, Site Testing Reports/ Protocols, Handing over proptcols along with manuals shall be submitted etc. by bidder. Payment shall be made on the basis engineering certification.	Lot	1
D13	SERVICES- GIS : 400KV, ERECTION, TESTING & COMMISSIONING OF COMPLETE ONLINE CONTINUOUS PD MONITORING SYSTEM (PDM) FOR 400KV GIS	TB3614009161	Erection, testing & commissioning of Online continuous Partial Discharge Monitoring System (PDM) for 400kV GIS	Supervision of erection, testing & commissioning of Online continuous Partial Discharge Monitoring System (PDM) for 400kV GIS including interfacing with SAS & other associated activities shall be included in the scope. Consumables required for successful erection is included in bidder's scope. Payment shall be made on actual measurement basis, if required. These activities shall be carried out at site in stages as per front availability at site, and hence multiple visits for completion of work are envisaged.	Lot	1
<b>E</b>			<b>Service- Training for 400kV GIS</b>		<b>Header Item; Unit &amp; Quantity as per E1 to E3 below.</b>	
E1	SERVICES- GIS : 400KV, TRAINING FOR GIS AT SITE	TB3614003731	400kV GIS Training at site for customer & BHEL engineer for a period of at least 5 working days	400kV GIS Training at site for customer & BHEL engineer for a period of at least 5 working days (excluding all intervening holidays)	Mandays	25
E2	SERVICES- GIS : 400KV, TRAINING FOR GIS AT MANUFACTURER'S WORKS	TB3614003724	400kV GIS Training at Manufacturer's works for customer (HPGCL) engineer for a period of at least 5 working days	400kV GIS Training at Manufacturer's works for customer (HPGCL) engineer for a period of at least 5 working days (excluding all intervening holidays)  the lodging and boarding of the Owner's personnel (HPGCL) shall be at the cost of Bidder. The Bidder shall make all necessary arrangements towards the same. To & fro travelling charges for HPGCL personnel shall not be borne by bidder.	Mandays	15
E3	SERVICES- GIS : TRAINING FOR GIS TO BHEL ENGINEERS	TB3610007942	400kV GIS Training at Manufacturer's works for BHEL engineer for a period of at least 5 working days	400kV GIS Training at Manufacturer's works for BHEL engineer for a period of at least 5 working days (excluding all intervening holidays)  To & fro travelling charges, Lodging and boarding charges for BHEL personnel shall not be borne by bidder.	Mandays	10
<b>F</b>			<b>Supply- Unit reference price of 400kV GIS part item/ equipment</b>	<b>GIS part item/ equipment shall be required for supply as a mandatory spares or any addition/ deletion of equipment, due to damage, theft, additional requirement by customer during detailed engineering or later stage. It is to be ensured by bidder that unit prices have a logical relationship with prices of assemblies in main items (Bay, Busbar etc). The reference prices shall be used for breakup rates, if required at any stage. The reference prices shall be considered for evaluation.</b>	<b>Header Item; Unit &amp; Quantity as per F1 to F28 below.</b>	

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
F1	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM :CIRCUIT BREAKER (1 POLE COMPLETE WITH ENCLOSURE WITHOUT OPERATING MECHANISM)	TB9614008576	400kV, 2000A Circuit breaker complete with enclosure without operating mechanism	1 set= 1 no. of 400kV, 2000A Circuit breaker, 1 pole complete with enclosure without operating mechanism	Set	1
F2	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : DISCONNECTOR WITHOUT OPERATING MECHANISM	TB9614007822	400kV, 2000A Disconnecter without operating mechanism	1 set= 1 no. of 400kV, 2000A Isolator (3 pole) complete with enclosure without operating mechanism	Set	1
F3	SUPPLY- GIS : REF UNIT PRICE ITEM : 400 KV MAINTENANCE EARTHING SWITCH WITHOUT OPERATING MECHANISM	TB9610007816	400 kV Maintenance Earthing switch without operating mechanism	1 set= 1 no. of 400 kV Maintenance Earthing switch (3 pole) with enclosure without operating mechanism	Set	1
F4	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV HIGH SPEED EARTH SWITCH WITHOUT OPERATING MECHANISM	TB9610007802	400kV High speed earth switch/ High speed make proof grounding switch without operating mechanism	1 set= 1 no. of 400kV High speed earth switch (3 pole) with enclosure without operating mechanism	Set	1
F5	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SURGE ARRESTOR INCLUDING SURGE COUNTER	TB9610002553	Surge Arrestor including Surge Counter	Surge Arrester with enclosure and surge counter/ monitor. Rated arrester voltage may be changed after insulation coordination study. Rated arrester voltage considered is 336kV.	Set	1
F6	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV CURRENT TRANSFORMER OF PS CLASS	TB9610006255	400kV Current transformer of Class PS	400kV Current transformer (1 pole) of Class PS (1 No. of each type) Without enclosure (Individual prices to be furnished).	Set	1
F7	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV CURRENT TRANSFORMER OF 0.2S CLASS	TB9610007795	400kV Current transformer of Class 0.2s	400kV Current transformer (1 pole) of Class 0.2s (1 No. of each type) Without enclosure (Individual prices to be furnished).	Set	1
F8	SUPPLY- GIS : REF UNIT PRICE ITEM : 400KV VOLTAGE TRANSFORMER	TB9610006262	400kV Voltage transformer	400kV Voltage transformer (1 pole) (1 no. of each type) Without enclosure (Individual prices to be furnished).	Set	1
F9	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - OPERATING MECHANISM FOR CIRCUIT BREAKER	TB9610002591	Operating Mechanism box for 400kV, 2000 A Circuit Breaker	1 set= 1 no. of Operating Mechanism box for 400kV, 2000 A Circuit Breaker	Set	1
F10	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : OPERATING MECHANISM BOX FOR DISCONNECTOR (400KV)	TB9614006285	Operating Mechanism box for 400kV, 2000 A Disconnecter	1 set= 1 no. of Operating Mechanism box for 400kV, 2000 A Isolator	Set	1
F11	SUPPLY- GIS : REF UNIT PRICE ITEM :OPERATING MECHANISM FOR MAINTENANCE EARTHING SWITCH (400KV)	TB9610007783	Operating mechanism for 400kV, Maintenance Earthing Switch	1 set= 1 no. of Operating mechanism for 400kV, Maintenance Earthing Switch	Set	1
F12	SUPPLY- GIS : REF. UNIT PRICE ITEM- OPERATING MECHANISM FOR HIGH SPEED EARTHING SWITCH (400KV)	TB9610002546	Operating Mechanism for 400kV, High Speed Earthing Switch	1 set= 1 no. of Operating Mechanism for 400kV, High Speed Earthing Switch	Set	1
F13	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - 1 PHASE BUS BAR CONDUCTOR	TB9614007315	400kV, 1 Phase bus bar conductor		Mtr	1

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
F14	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- 1-PHASE GIS METALLIC ENCLOSURE FOR BUS BAR/ ANY EQUIPMENT	TB9614007623	400kV, 1 phase GIS metallic enclosure for bus bar/ any equipment		Mtr	1
F15	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- 1-PHASE CONDUCTOR FOR BUS DUCT	TB9614007616	400kV, 1 Phase conductor for bus duct		Mtr	1
F16	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- 1-PHASE GIS METALLIC ENCLOSURE FOR BUS DUCT	TB9614007605	400kV, 1 phase GIS metallic enclosure for bus duct		Mtr	1
F17	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- GAS PERMEABLE/ COMMUNICATION INSULATOR	TB9614002666	Gas permeable/ communication/ barrier type Insulator	1 Set= 1 No of each rating and type	Set	1
F18	SUPPLY- GIS : 420KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- GAS NON- PERMEABLE/ NON - COMMUNICATION/ NON-BARRIER TYPE INSULATOR	TB9614007593	Gas non- permeable/ non - communication/ non-barrier type Insulator	1 Set= 1 No of each rating and type	Set	1
F19	SUPPLY- GIS : REF UNIT PRICE ITEM : PD SENSOR( UHF TYPE)	TB9610006384	UHF PD sensors	1 Set= 1 No of each rating and type	Set	1
F20	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : PRESSURE/ DENSITY MONITOR DEVICE & SWITCH	TB9614008491	Pressure/ density monitor monitor device & Switch	1 Set= 1 No of each rating and type	Set	1
F21	SUPPLY- GIS : 400KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- PRESSURE RELIEF DEVICE	TB9614007293	Pressure relief device	1 Set= 1 No of type	Set	1
F22	SUPPLY- GIS : 400KV, REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- RUPTURE DISC	TB9614002715	Rupture disc	1 Set= 1 No of type	Set	1
F23	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - ELBOWS/ BEND/ CROSS AND T SECTION	TB9610002683	Elbow/ bend/ cross and T section	1 Set= 1 No of type	Set	1
F24	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- EXPANSION JOINTS	TB9610002691	Expansion joint	1 Set= 1 No of type	Set	1
F25	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT- FLEXIBLE CONNECTIONS	TB9610002704	Flexible connection for conductor	1 Set= 1 No of type	Set	1
F26	SUPPLY- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - GAS SEALS	TB9610007245	Gas seals	1 Set= 1 No of type	Set	1

**Annexure A- BOQ for 400kV GIS & its Accessories**

Sl. No.	Indent item description	Material Code	Short Item Description	Detailed Description (To be followed for project requirement)	Unit	Qty
F28	SUPPLY- GIS : 400KV, REF UNIT PRICE ITEM : ENCLOSURE FOR LOCAL CONTROL CUBICLES (LCC)	TB9614009224	Enclosure for LCC Panel		No.	1
<b>G</b>			<b>Service- Unit reference price of GIS service item</b>	<b>Reference unit prices for service of Individual Item/ Equipment for any addition/ deletion of equipment, due to damage, theft, additional requirement by customer, any other reasons not attributable to vendor during detailed engineering/ contract execution. The reference prices shall be considered for evaluation.</b>	<b>Header Item; Unit &amp; Quantity as per G1 to G5 below.</b>	
G1	SERVICES- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR SUPERVISION OF ERECTION OF GIS	TB3610002745	Services of supervision for Erection of 400kV GIS	Charges for repetition of services - (if required due to reasons not attributed to the bidder) This item will be executed only if repetition of services is required by BHEL.	Manday	10
G2	SERVICES- GIS : REF. UNIT PRICE OF GIS INDIVIDUAL ITEM/ EQUIPMENT - SERVICES FOR TESTING & COMMISSIONING OF GIS	TB3610002752	Services of Testing & Commissioning of 400kV GIS	Charges for repetition of services - (if required due to reasons not attributed to the bidder) This item will be executed only if repetition of services is required by BHEL.	Manday	10
G3	SERVICES- GIS : 400KV, REF UNIT PRICE ITEM : DEMOBILIZATION & REMOBILIZATION CHARGES FOR GIS ERECTION SUPERVISION TEAM	TB3614009113	Demobilization & remobilization charges for GIS erection supervision team	This BOQ item shall be payable if required for reasons not attributable to bidder.	Set	2
G4	SERVICES- GIS : 400KV, REF UNIT PRICE ITEM : DEMOBILIZATION & REMOBILIZATION CHARGES FOR GIS TESTING & COMMISSIONING TEAM	TB3614009123	Demobilization & remobilization charges for GIS testing & commissioning team	This BOQ item shall be payable if required for reasons not attributable to bidder. Hv testing is not part of this item.	Set	2
G5	SERVICES- GIS : 400KV, REF UNIT PRICE ITEM : DEMOBILIZATION & REMOBILIZATION CHARGES HV TEST KIT ALONG WITH OPERATOR	TB3614009133	Demobilization & remobilization charges HV Test Kit along with operator	In this BOQ item, mobilization and demobilization chages for HV test kit is considered for second time or more, for reasons not attributable to bidder. HV testing charges are not included in this line item and the same may be referred from the main line item of supervision of ETC services of this BOQ.	Lot	1

**BHARAT HEAVY ELECTRICALS LTD.  
(TRANSMISSION BUSINESS GROUP)**

**GENERAL TERMS AND CONDITIONS FOR TENDER ENQUIRY / CONTRACT**

This is to be submitted duly signed by bidder in original (NOT REQUIRED FOR ENQUIRY THROUGH E-PROCUREMENT MODE). Clause-wise deviations and / or additional conditions / clarifications, if any, are to be brought out clearly in "Schedule of Commercial Deviation". Deviations and / or additional conditions / clarifications, if any, mentioned elsewhere in the bid / offer, shall not be considered.

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1.	<p><b>INSTRUCTION TO BIDDERS :</b></p> <p>1.1 Sealed bids are invited for the items mentioned in the tender enquiry conforming to the NIT including Technical Specifications. Bids should be typed and free from overwriting and erasures. Corrections or additions / deletions, if any, must be clearly written and attested, otherwise offer may be rejected.</p> <p>1.2 Bidder must ensure that their bid is submitted / dropped in the tender box on or before <b>14-00 Hrs.</b> IST on the due date of opening, unless otherwise specified in the NIT, at the address as follows :-</p> <p style="padding-left: 40px;">Tender Box, Materials Management, Transmission Business Group, Bharat Heavy Electricals Limited, 5<sup>th</sup> Floor, Tower-A, Advant Navis IT Business Park, Plot-7, Sector-142, Noida Expressway, Noida, Dist. G. B. Nagar, U. P. – 201305</p> <p>1.3 In case tender enquiry is floated though the e-procurement system, offer / bid has to be submitted through the e-procurement system <b>ONLY</b> as per instructions given in the e-procurement portal (<a href="https://bhel.abcprocure.com/EPROC/">https://bhel.abcprocure.com/EPROC/</a>).</p> <p>1.4 The bids shall be opened at 14-30 Hrs. IST on the due date of opening, in the presence of participating bidders who may like to be present, unless otherwise specified in the NIT. Bids received late are liable for rejection. Bidders sending bids by courier or post will have to ensure that it is timely delivered at the above address.</p> <p>1.5 Bids are to be submitted duly signed with seal in two parts :-</p> <p style="padding-left: 20px;">a) <b>Techno-commercial Bid (Part-I)</b> – To be submitted in 2 sets (original + copy). A copy of Price Bid (Part-II) clearly mentioning all the necessary information as per format <b>without prices</b> "Un-Priced Bid" is also to be enclosed in Part-I Bid.</p> <p style="padding-left: 20px;">b) <b>Price Bid (Part-II)</b> – To be submitted only in one set in a separate sealed envelope. This should not contain any Technical and / or Commercial Terms and Conditions. The rates should be quoted both in figures and words.</p>

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	<p>1.6 The Part-I and Part-II Bids are to be sealed in separate envelopes and marked as “Techno-commercial Bid (Part-I)” and “Price Bid (Part-II)” respectively. Both the envelopes are to be kept in another common envelope and marked as “BID”. Each envelope should be sealed and superscribed with tender enquiry no., item / package name, project name and due date of opening. Bidder’s name and address shall also be mentioned on each envelope.</p> <p>1.7 For any technical clarification, please contact official mentioned in the tender enquiry / NIT.</p> <p>1.8 For any commercial clarification please contact official issuing tender enquiry / NIT.</p> <p>1.9 Price bid (Part-II) should not contain any additional information / description other than given in “Un-Priced Bid” submitted with “Techno-commercial Bid (Part-I)” except prices, otherwise bid is liable for rejection.</p> <p>1.10 Price Bid submitted along with the bid shall remain valid up to validity of offer. Any discount / revised offer submitted by the bidder on its own shall be accepted provided it is received before the due date and time of offer submission (i.e. Part-I Bid). The discount shall be applied on pro-rata basis to all items including optional items, if any, unless specified otherwise by the bidder. Discount offered shall be valid for full duration of validity of the offer including extension of validity, if any. Unsolicited Supplementary / Revised Price Bid submitted after the due date and time of offer submission (i.e. Part-I Bid), during validity period of offer, unless asked by BHEL, shall not be considered. Withdrawal of quotation by the bidder, at any stage after its opening, may entail suitable action against such bidder by BHEL.</p> <p>1.11 The consultants / firm (and any of its affiliates) shall not be eligible to participate against tender enquiry for the related goods or works or services for the same project, if they were engaged by BHEL-TBG for the consultancy services.</p> <p>1.12 In case any Foreign OEM / Foreign Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer / supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer / supplier or the manufacturer / supplier could bid directly but not both. In case bids are received from the manufacturer / supplier and the agent, bid received from the agent shall be ignored.</p> <p>1.13 Non-conformities / errors / discrepancies in quoted prices in price bids shall be dealt as follows :-</p> <p>a) If, in the price structure quoted for the required goods / services / works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of BHEL there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.</p> <p>b) If there is an error in a total corresponding to the addition or subtraction</p>

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	<p>of subtotals, the subtotals shall prevail and the total shall be corrected.</p> <p>c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.</p> <p>d) If there is such discrepancy in an offer as mentioned in (a), (b) &amp; (c) above, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the BHEL, the bid is liable to be ignored.</p> <p>1.14 In case the scope of the successful bidder / supplier against this tender enquiry includes Erection, Testing and Commissioning (ETC) of the equipment / material at site in addition to Supply, Purchase Order shall be placed for Supply Portion and Contract shall be separately awarded for ETC at Site Portion. General Terms and Conditions for Tender Enquiry / Contract mentioned herein shall be applicable for both Supply &amp; ETC at Site. Additional Terms and Conditions for Tender Enquiry / Contract for Erection, Testing and Commissioning at Site "BHEL/TBG/GTC-ETC/2016 REV01" shall be applicable for ETC at Site only which is to be read in conjunction with General Terms and Conditions for Tender Enquiry / Contract mentioned herein. However, any breach of either the Purchase Order or the Contract shall be deemed to be breach of the other.</p> <p>1.15 Taxes and Duties payable extra as per Clause No. 2.3 in NIT, if not specified/quoted clearly as extra shall be considered as included in Ex-works Price and therefore shall not be reimbursed. Taxes and duties not payable extra as per NIT shall be deemed to be included in Ex-works Price.</p> <p>1.16 If the rates for taxes and duties in respect of the quoted materials and / or services assumed by the Supplier are less than the tariff prevailing at the time of tendering, Supplier will be responsible for such under quotations. However if the rates assumed are higher than the correct rates prevailing at the time tendering, the difference will be to the credit of BHEL.</p> <p>Note : Representative / official deputed by the bidder to witness tender opening must produce authorization letter for the same.</p>
2.	<p><b>PRICES :</b></p> <p>2.1 Unless specifically indicated in the NIT, all prices shall be FIRM. No enhancement of rate for whatsoever reasons unless and until asked by BHEL shall be allowed.</p> <p>2.2 Unless specifically indicated in the NIT, the prices shall be on INR basis.</p> <p>2.3 Unless specifically indicated in the NIT, the prices are to be quoted on FOR (Site / Destination) basis excluding GST. The break-up of prices shall be as under :-</p> <p>a) Ex-works Price: Ex-works price including packing &amp; forwarding charges.</p>

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	<p>b) Freight: Freight for door delivery up to destination / site / store are to be quoted separately.</p> <p>c) Insurance: Insurance for door delivery up to destination / site / store are to be quoted separately.</p> <p>d) Type Test Charges: If asked in the technical specification, it is to be quoted separately for each test.</p> <p>e) Charges for Supervision of Erection, Testing &amp; Commissioning (ETC) at Site: To be quoted separately if specified in NIT/Price Schedule.</p> <p>f) Charges for Testing &amp; Commissioning at Site: To be quoted separately if specified in NIT/Price Schedule.</p> <p>g) Charges for Erection, Testing &amp; Commissioning at Site: To be quoted separately if specified in NIT/Price Schedule.</p> <p>h) Training Charges: To be quoted separately if specified in NIT/Price Schedule.</p> <p>2.4 <b>GST rates</b> along with HSN/SAC code as applicable on Sr No (a) to (h) above is to be mentioned separately in percentage in both un-priced bid and price bid.</p> <p>Note :</p> <p>i) Unless otherwise specified in the NIT, the purchase order shall be placed on Ex-works basis for Indian bidders.</p> <p>ii) Prices quoted by Indian bidders shall be in Indian Rupees only.</p> <p>iii) In case Supervision of Erection, Testing &amp; Commissioning (ETC) at Site or Testing &amp; Commissioning at Site or Erection, Testing &amp; Commissioning at Site is also in scope of the bidder along with supply, bidder has to ensure that prices quoted for such services also are in line with special terms &amp; conditions of the NIT, if any.</p> <p>iv) Unless otherwise specified in the NIT, Unloading at Site / Destination shall not be in the scope of the supplier.</p> <p>v) Prices in respect of Sr No (a) to Sr No (h) of Clause 2.3 above are to be quoted inclusive of all taxes &amp; Duties, charges. Levies, royalty etc. if any, excluding GST.</p>
3.	<p><b>TERMS OF PAYMENT :</b></p> <p><b>3.1 For Supply only in scope of the supplier</b></p> <p>100% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows :</p> <ul style="list-style-type: none"> <li>• LR / GR duly endorsed by BHEL Site Official.</li> <li>• Material Receipt Certificate issued by BHEL Site Official.</li> <li>• GST Compliant Tax Invoice</li> <li>• Packing List (Case-wise)</li> <li>• Copy of Transit Insurance Certificate from underwriters.</li> <li>• Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management</li> <li>• Guarantee Certificate</li> <li>• Copy of Performance Bank Guarantee (PBG)</li> <li>• Certificate of acceptance of Type Test Reports issued by BHEL Engineering</li> </ul>

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	<p>Management wherever specifically mentioned in the Purchase Order.</p> <p><b>3.2 For Supply where Supervision of Erection, Testing &amp; Commissioning (ETC) at Site is in scope of the supplier or Supply where Testing &amp; Commissioning at Site is in scope of the supplier</b></p> <p>a) 95% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows :</p> <ul style="list-style-type: none"> <li>. LR / GR duly endorsed by BHEL Site Official.</li> <li>. Material Receipt Certificate issued by BHEL Site Official.</li> <li>. GST Compliant Tax Invoice</li> <li>. Packing List (Case-wise)</li> <li>. Copy of Transit Insurance Certificate from underwriters.</li> <li>. Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management</li> <li>. Guarantee Certificate</li> <li>. Copy of Performance Bank Guarantee (PBG)</li> <li>. Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management wherever specifically mentioned in the Purchase Order.</li> </ul> <p>b) 5% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows :</p> <ul style="list-style-type: none"> <li>. Certificate of successful completion of Supervision of Erection, Testing &amp; Commissioning at Site if it is in the scope of the supplier or Certificate of successful completion of Testing &amp; Commissioning at Site if it is in the scope of the supplier.</li> <li>. Certificate of completion of final documentation as per Purchase Order / Technical Specification issued by BHEL Engineering Management</li> </ul> <p><b>3.3 For Supply where Erection, Testing &amp; Commissioning (ETC) at Site is in scope of the supplier</b></p> <p>a) 90% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows :</p> <ul style="list-style-type: none"> <li>. LR / GR duly endorsed by BHEL Site Official.</li> <li>. Material Receipt Certificate issued by BHEL Site Official.</li> <li>. GST Compliant Tax Invoice</li> <li>. Packing List (Case-wise)</li> <li>. Copy of Transit Insurance Certificate from underwriters.</li> <li>. Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management</li> <li>. Guarantee Certificate</li> <li>. Copy of Performance Bank Guarantee (PBG)</li> <li>. Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management wherever specifically mentioned in the Purchase Order</li> </ul> <p>b) 10% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows :</p> <ul style="list-style-type: none"> <li>. Certificate of successful completion of Erection, Testing &amp; Commissioning at Site issued by BHEL Site Official / Construction Management</li> <li>. Certificate of completion of final documentation as per Purchase Order / Technical Specification issued by BHEL Engineering Management</li> </ul> <p><b>3.4 For Type Test Charges</b></p>

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	<p>100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with copy of Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management in 3 sets (original + 2 copies) on completion of delivery (at site, if F&amp;I is in scope of supplier) of main supplies (excluding spares) for which Type Tests are applicable. List of main supplies (excluding spares) for which Type Tests are applicable shall be certified by BHEL Engineering Management.</p> <p>3.5 For Charges for Supervision of Erection, Testing &amp; Commissioning at Site</p> <p>100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with certificate of successful completion of Supervision of Erection, Testing &amp; Commissioning at Site issued by BHEL Site Official / Construction Management in 3 sets (Original + 2 copies).</p> <p>3.6 For Charges for Testing &amp; Commissioning at Site</p> <p>100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with certificate of successful completion of Testing &amp; Commissioning at Site issued by BHEL Site Official / Construction Management in 3 sets (Original + 2 copies).</p> <p>3.7 For Training Charges</p> <p>100% payment along with applicable GST within 60 days from the date of receipt of complete GST compliant Tax invoice along with certificate of completion of training issued by BHEL Engineering Management in 3 sets (original + 2 copies).</p> <p>Note :</p> <ul style="list-style-type: none"> <li>i) Supplier has to submit invoice(s) as per PO or approved billing break-up of prices (if applicable as per NIT).</li> <li>ii) In case of supplies for overseas project, Material Receipt Certificate issued by BHEL Authorized Representative shall also be acceptable.</li> <li>iii) In case of Transit Insurance under Open Insurance Policy, Intimation / Declaration of Transit Insurance as per terms of the relevant Open Insurance Policy along with copy of Open Insurance Policy from underwriters shall also be acceptable.</li> <li>iv) Supplier has to ensure commencement of transit insurance from the date not later than LR / GR date.</li> <li>v) Supplier has to submit Tax Invoice(s). Supplier should ensure that Tax Invoice should comply all statutory requirements under GST Law to enable BHEL to avail input credit</li> <li>vi) MSMED Act, 2006 and the rules made thereunder as amended from time to time shall be applicable for release of payment to suppliers qualified &amp; registered as Micro &amp; Small Enterprises based on documents mentioned in the NIT for MSME.</li> </ul>

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	<p>vii) Supplier has to submit PBG (as per BHEL format) &amp; Guarantee Certificate as per PO terms.</p> <p>viii) In case any shortages and / or damages in supplies, an amount calculated based on comments against Material Receipt Certificate issued by the BHEL Site Official shall be withheld from the supply payment against 3.1(a) or 3.2(a) above to be deemed fit by BHEL subject to a minimum of 10% of the total ex-works value of the invoice corresponding to the LR / GR against which any shortages and / or damages are reported. The withheld amount shall be released after the shortages and / or damages in supplies are supplied / replenished against Certification by BHEL Site Official.</p> <p>ix) Payment of GST component shall be made only if vendor has deposited the Tax and credit for the same is reflected in GSTN (GST Network). In case credit of the same is not reflected in GSTN , vendor may alternatively furnish BG of GST Amount for a period valid for not less than 1 month .In case of disallowance of credit /non reflection of credit in GSTN , amount will be recovered from supplier along with applicable Interest , penalty etc from any of his dues.</p> <p>x) If GST is payable by BHEL on reverse Charge Mechanism basis, vendor should ensure the submission of GST compliant Tax invoice immediately on dispatch/ performance of service. In case of non-compliance any additional charges towards interest , penalty etc , will be to vendors account.</p> <p>xi) TDS under GST Act, if applicable, shall be deducted unless Exemption Certificate If applicable, from the appropriate authority is furnished to BHEL along with Invoice.</p>
4.	<p><b>INTEREST LIABILITY :</b></p> <p>In case of any delay in payment due to any reason, BHEL shall not pay any interest on delayed payment. Also, no interest shall be payable by BHEL on the bank guarantee / deposit amount or balance payment or any other money which may become due owing to difference or misunderstanding or any dispute before any quasi judicial authority between BHEL and the Supplier / Contractor.</p>
5.	<p><b>GUARANTEE :</b></p> <p>The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design &amp; engineering, material, workmanship &amp; manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications &amp; approved drawings / data sheets, if any, for 18 months from the date of last delivery or 12 months from the date of commissioning, whichever is earlier.</p> <p>Wherever Erection, Testing &amp; Commissioning at Site are also in the scope of the Supplier, the guarantee period shall be 18 months from the date of last delivery or 12 months from the date of commissioning, whichever is later.</p> <p>The defective equipment / material / component shall be replaced free of cost at site. Freight &amp; Insurance during transit shall also be in the scope of the supplier / contractor. Any expenditure for dismantling and re-erection of the replaced equipment / material / component shall be to supplier's / contractor's account. All replacements during the guarantee period shall be delivered at site promptly and satisfactorily within a period not more than 45 days from the date of reporting the defect / rejection etc.</p>

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	<p>In the event of the supplier / contractor failing to replace the defective equipment / material / component within the time period mentioned above, BHEL may proceed to undertake the replacement of such defective equipment / material / component at the risk and cost of the supplier / contractor without prejudice to any other rights under the contract and recover the same from PBG / other dues of this Purchase Order / Contract or any other Purchase Order / Contract executed by the supplier / contractor.</p> <p>Note :</p> <p>i) In case of Illumination System, items viz. Lamps, Tubes, Ballast, Starters, Capacitors &amp; Fuses will not be under Guarantee after commissioning.</p> <p>ii) In addition to the above guarantee period, Extended Guarantee / Warranty, if any, shall be as per NIT / Technical Specifications.</p> <p>iii) In case offer of agent of Foreign OEM / Foreign Principal is considered, as per Clause No. 1.12 above, Guarantee as mentioned above has to be provided by the Foreign OEM / Foreign Principal also.</p>
6.	<p><b>LATENT DEFECT :</b> Liability for latent defects shall be for defects inherently lying within material or arising out of design deficiency which does not manifest itself during guarantee period but later and shall be limited to five years from the expiry of the guarantee period.</p>
7.	<p><b>PERFORMANCE BANK GUARANTEE (PBG) :</b> Supplier shall arrange to submit Performance BG / deposit on a non-judicial stamp paper of appropriate value along with first invoice or within 60 days from placement of Purchase Order (PO) whichever is earlier, in line with one of the applicable options as follows :-</p> <p><u>Option "A"</u> A single rolling PBG for Rs. 50 Lakhs initially valid for 18 months with claim period of 3 months extra over and above 18 months for all the Purchase Orders being executed for Transmission Business Group, BHEL. However, validity of the PBG shall be extended till 18 months from the date of last delivery with 3 months claim period extra over and above 18 months. Single Rolling PBG option shall not be applicable in case Ex-works value of the PO at the time of placement of PO exceeds Rs. One Crore.</p> <p><u>Option "B"</u> PBG for 10% of the total Ex-works PO value, valid for 18 months from the date of last delivery with claim period of 3 months extra over and above 18 months. Ex-works PO value at the time of placement of PO shall be considered for calculation of the PBG amount.</p> <p><u>Option "C"</u> In case the total Ex-works PO value at the time of placement of PO does not exceed Rs. Ten Lakhs, interest free Deposit of 10% of the total Ex-works PO value at the time of placement of PO in form of Demand Draft favouring "Bharat Heavy Electricals Limited" and payable at New Delhi / Delhi / Noida shall also be acceptable to BHEL in lieu of PBG, which shall be released after expiry of 21 months from the date of last delivery after deduction, if any, within 60 days from receipt of invoice in 3 sets (original + 2 copies) to be submitted by the supplier.</p> <p>Note :</p> <p>i) The Bank Guarantee shall be from any bank as per Annexure for List of Banks (32 Nos.). The original PBG should be sent by issuing Bank directly to AGM (Finance), TBG, BHEL, Noida.</p>

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	<p>ii) Extension of validity of the PBG in original, as per above clause, should be sent by issuing Bank directly to AGM (Finance), TBG, BHEL, Noida at least 45 days before expiry of validity of the PBG.</p> <p>iii) Unless otherwise specified in the NIT, deviation taken for non-submission of PBG / Deposit, as applicable, shall not be accepted.</p> <p>iv) Supplier has to confirm one of the applicable options for submission of PBG / Deposit before placement of PO.</p> <p>v) In case of non-submission PBG / Deposit, as applicable, BHEL reserve the right for Risk Purchase as per terms of the NIT and impose Suspension of Business Dealings with the Supplier / Contractor.</p> <p>vi) BHEL reserve the right to encash the Bank Guarantee and forfeit the amount in the event of any default, failure or neglect on part of the Supplier in fulfilment of performance of the Purchase Order.</p> <p>vii) Value of the Bank Guarantee (at the time of submission) shall remain unchanged for any subsequent variations in Purchase Order value up to <math>\pm 20\%</math>. Beyond this variation of <math>\pm 20\%</math>, the Supplier shall arrange to enhance or may reduce the value of the Bank Guarantee accordingly for the total variation promptly.</p> <p>viii) Vendor to ensure submission of Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, as the case may be, as referred in clause No 9 regarding Final Documentation. BG shall be released only after submission of the same to BHEL TBMM.</p>
8.	<p><b>SUBMISSION OF DRAWINGS / DOCUMENTS FOR APPROVAL :</b></p> <p>Supplier shall submit the master document list within 7 days from date of Purchase Order / Contract, unless otherwise specified in the NIT, with planned dates for submission which shall be in line with activity schedule as per Purchase Order / Contract and shall be finalized with BHEL Engineering Management. Date of first submission of drawings / documents shall be certified by BHEL Engineering Management after the receipt of applicable drawings / documents (e.g. project specific cover sheet, GTP, OGA drawings, schemes, type test reports etc.) by BHEL. During detailed engineering stage, necessary hard copies of the engineering drawings / documents shall also be submitted by the supplier as per the Purchase Order / Contract requirement. The supplier shall also submit the packing drawings as per technical specifications.</p> <p>In case item(s) offered require any interface details of other item (not in the scope of supplier &amp; required for operating the equipment), the supplier has to submit interfaces schedule along with submission of engineering drawings / documents. It shall be responsibility of the supplier to get the details of the interfaced item from BHEL before manufacturing to avoid any mismatch at site.</p>
9.	<p><b>FINAL DOCUMENTATION :</b></p> <p>Final documentation as called in the Technical /contract specification is to be submitted within 3 months from the date of first delivery of respective equipment, item/material. After submission of Final Documentation, BHEL Engineering Management (TBEM) will issue a Certificate of Completion of Final Documentation. Wherever Final Documentation is not applicable, BHEL Engineering Management (TBEM) will issue confirmation regarding the same, Vendor to submit the Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, as the case may be, to BHEL TBMM. In case of Non Submission of Certificate of Final Documentation /Confirmation regarding Non applicability of Final Documentation, BG will be liable for encashment.</p>
10.	<p><b>INSPECTION :</b></p> <p>BHEL / customer / third party shall inspect equipment / material before despatch. Stage inspection during manufacturing may also be carried out. Material to be despatched only after getting Material Despatch Clearance Certificate (MDCC) / MICC issued by BHEL.</p>

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	<p>Supplier shall send inspection call on prescribed format / web site only, with an advance notice of 15 days.</p> <p>Supplier to ensure submission of all routine / acceptance test reports, inspection reports and all other documents related to inspection, immediately to BHEL.</p> <p>BHEL representative is authorised to carry out audits along with Third Party Inspection Agency at vendor's / supplier's works before clearing the items for despatch.</p>
11.	<p><b>DESPATCH DOCUMENTS :</b></p> <p>Despatch documents to be immediately sent to BHEL on despatch are as follows :-</p> <ul style="list-style-type: none"> <li>• Copy of Invoice</li> <li>• Copy of LR / GR in case of Indian suppliers or BL / AWB in case of foreign suppliers</li> <li>• Copy of Packing List (Case-wise)</li> <li>• Copy of Transit Insurance Certificate from underwriters</li> <li>• Copy of Guarantee Certificate</li> </ul>
12.	<p><b>DELIVERY PERIOD :</b></p> <p>Delivery / Completion requirement shall be mentioned in the NIT. Bidder to specify best delivery / completion period possible in weeks from the date of LOI / PO as per activity schedule for consideration by BHEL. Time required for type test, if applicable, is to be separately indicated.</p> <p>Note :</p> <p>LR / GR date or invoice date (whichever is later) for indigenous supplies and BL / AWB date for FOB / CIF (if applicable) contracts shall be considered as delivery date.</p>
13.	<p><b>LIQUIDATED DAMAGES FOR DELAYED DELIVERY:</b></p> <p>In case of delay in execution of Purchase Order beyond the contractual delivery time, an amount of 0.5% of the total Purchase Order value for supply (excluding taxes and duties as applicable) per week of delay or part thereof subject to a maximum of 10% of the total Purchase Order value for supply (excluding taxes and duties as applicable) shall be deducted as Liquidated Damages (LD).</p> <p>However, in case of staggered (lot-wise) contractual delivery schedule, an amount of 0.5% of the total Purchase Order value for supply (excluding taxes and duties as applicable) per week of delay or part thereof subject to a maximum of 10% of the total Purchase Order value for supply (excluding taxes and duties as applicable) shall be deducted as Liquidated Damages (LD).</p> <p>Note :</p> <ol style="list-style-type: none"> <li>i) In case of any amendment / revision in P.O./WO, the LD shall be linked to the amended / revised Purchase Order / Contract value and delivery / completion time / schedule, if applicable.</li> <li>ii) LR / GR date or invoice date (whichever is later) for indigenous supplies and BL / AWB date for FOB / CIF (if applicable) for imported supplies shall be treated as the date of dispatch for levying LD as above.</li> <li>iii) However, for indigenous supply, if time period between date of receipt of material at site / destination by Site Official &amp; the date of LR / GR or invoice (whichever is later) is more than 30 days, where distance from place of despatch as per LR / GR is upto 1000 Kms or if time period between date of receipt of material at site / destination by Site Official &amp; the date of LR / GR or invoice (whichever is later) is more than 45 days, where distance from place of despatch as per LR / GR is</li> </ol>

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	<p>more than 1000 Kms, such excess period shall also be considered for LD purpose.</p> <p>iv) If, as per supplier, delay is not attributable to the supplier, delay analysis with documentary evidence may be submitted by the supplier at the earliest but not later than six months from the end of the financial year in which the payment is withheld. Based on the above details / documents submitted by the supplier, BHEL shall take final decision and if considered appropriate by BHEL, withheld amount (full or part as the case may be) shall be released, otherwise, full or balance withheld amount shall be treated as deduction of Liquidated Damages (LD) towards delayed delivery.</p>
14.	<p><b>VALIDITY OF OFFER :</b> The offer shall be valid for 180 days from the due date of opening of tender (i.e. techno-commercial bid unless otherwise specified in the NIT). Prices of Spares, wherever they optional items, shall be valid till two years from the date of placement of PO.</p>
15.	<p><b>ACCEPTANCE / REJECTION OF TENDER :</b> BHEL reserve the right to reject in full or part, any or all tender without assigning any reason thereof. BHEL also reserve right to vary the quantities as mentioned in the NIT. Acceptance of offer is subject to vendor approval by customer before opening of price bid.</p> <p>BHEL shall not be bound by any power of attorney granted by tenderer or by changes in composition of the firm made subsequent to award of order / contract. BHEL may however recognize such power of attorney and changes after obtaining proper legal advice, cost of which will be chargeable to the seller / contractor concerned. If the tenderer deliberately gives wrong information, BHEL reserves the right to reject such an offer at any stage or cancel the order / contract, if awarded, and forfeit the security deposit and bank guarantee.</p>
16.	<p><b>DEVIATION :</b> The bids having deviation(s) w.r.t. tender are liable for rejection. However, BHEL, at its discretion, may load the prices for evaluation of offer with prior intimation to bidder.</p>
17.	<p><b>TENDER EVALUATION :</b> Comparative statement shall be prepared and evaluated on total cost basis at destination/site (as per terms of NIT) considering overall quantity indicated in NIT unless contrary to same is specifically mentioned in the tender enquiry / NIT. Total cost for this purpose shall include cost of scope of work as mentioned in NIT along with applicable taxes &amp; duties, and other services etc. (if applicable). GST input credit available to BHEL shall be reduced from prices while determining L1 status.</p> <p>In case all bidders are foreign &amp; Port of Import (destination port) is same for all the bidders, evaluation of offers shall be done on CIF (Port of Import) basis. Otherwise, evaluation of offers shall be done on the basis of delivered cost at site /destination to BHEL. Further, in case of foreign bidders, marine freight &amp; insurance are to be quoted separately &amp; the purchase order may be placed on FOB basis with an option for delivery on CIF / CFR basis, if required, later.</p> <p>In case of foreign bidders, Exchange Rate (TT selling rate of State Bank of India) as on date of tender opening (Part-I Bid in case of two part bid) shall be considered. If the relevant day happens to be a bank holiday, then the forex rate as on the previous bank (SBI) working day shall be taken for tender evaluation.</p>
18.	<p><b>LOADING CRITERIA :</b> List of permissible deviations &amp; loading criteria thereof are as follows :-</p> <p>a) Payment Terms Base rate of SBI (as applicable on the date of bid opening / techno-commercial</p>

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	<p>bid opening in case of two part bids) + 6% shall be considered for loading for the period of relaxation sought by bidder(s) against terms of payment in the NIT.</p> <p>b) Liquidated Damages (LD) for Delayed Delivery Loading on LD clause shall be to the extent to which it is not agreed to by the bidder (at offered value).</p> <p>c) In case of foreign bidders, if the quoted prices is on CIF basis only, it shall be loaded to arrive at total FOR (Site / Destination) price, as applicable, by factors as follows :-</p> <ul style="list-style-type: none"> <li>i) Port handling / clearing charges: @ 1% of CIF value to arrive at Customs Assessable Value.</li> <li>ii) Custom Duty (including CVD &amp; SAD) as per NIT prevailing on date of price bid opening.</li> <li>iii) Inland Freight &amp; Transit Insurance: @ 5% of CIF value where distance between site / destination and Port of Discharge is upto 1000 Kms or @ 7% of CIF value where distance between site / destination and Port of Discharge is more than 1000 Kms.</li> </ul> <p>Note : Additional deviations (if considered acceptable by BHEL) &amp; the loading criteria shall be communicated to all the qualified bidders before price bid opening.</p>
19.	<p><b>ARBITRATION :</b> In the event of any dispute emanating from and relating to this contract, the matter shall be referred to the sole arbitration of the person appointed by the competent authority of BHEL. Subject to aforesaid, the provisions of "The Arbitration and Conciliation Act, 1996" and the rules made thereunder as amended from time to time in India shall apply to the arbitration proceedings. The venue of arbitration shall be in New Delhi. Further there shall be no claim for any pre-reference or pendente-lite interest on the claims and any claim for such interest made shall be void. However, in case of contract with Public Sector Enterprise / Undertaking (PSE/PSU) or Govt. Dept., the extant guidelines of Govt. of India shall be followed.</p>
20.	<p><b>LEGAL SETTLEMENT :</b> Indian Courts at New Delhi / Delhi shall have exclusive jurisdiction to decide the dispute, if any, arising out of or in respect of the contract(s) to which these conditions are applicable. Contract, including all matters connected with contract, shall be governed by the Indian Law, both substantive and procedural, for the time being in force including modification thereto.</p>
21.	<p><b>SUB-CONTRACTING :</b> In case further subcontracting of BHEL Purchase Order / Contract or part thereof is envisaged by supplier, the same can be done after written permission is obtained from BHEL. However it shall not absolve the Supplier / Contractor of the responsibility of fulfilling BHEL Purchase Order / Contract requirements. In case of subcontracting of Purchase Order / Contract awarded by BHEL or part thereof without such permission, BHEL reserve the right to cancel the Purchase Order / Contract and source such material / component / equipment / system from any other agency at the risk and cost of the Supplier / Contractor.</p> <p>If Supplier / Contractor is an individual or proprietary concern and the individual or the proprietor dies or the partnership is dissolved or substantially affected, then unless BHEL is satisfied that legal representative of individual Supplier / Contractor or proprietor of proprietary concern and surviving partners of partnership firm are capable of carrying out and completing the Purchase Order / Contract, BHEL shall be entitled to cancel the Purchase Order / Contract as to its incomplete portion and</p>

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	<p>without being in any way liable to payment of any compensation to legal representative of Supplier / Contractor and / or to surviving partners of Supplier's / Contractor's firm on account of cancellation of the Purchase Order / Contract.</p> <p>Decision of BHEL that legal representatives of deceased Supplier / Contractor or surviving partners of the Supplier's / Contractor's firm cannot carry out and complete the Purchase Order / Contract shall be final and binding on the parties hereto.</p> <p>Terms and Conditions shall not get affected in case of de-merger / amalgamation / taking-over / re-constitution etc.</p>
<b>22.</b>	<p><b>RISK PURCHASE :</b></p> <p>In case the Supplier / Contractor fails to supply or fails to comply with terms &amp; conditions of the Purchase Order / Contract or delivers equipment / material not of the contracted quality or fails to adhere to the contract specifications or fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery / completion period to justify that supplies shall be inordinately delayed beyond contractual delivery / completion period, BHEL reserve the right to cancel the Purchase Order / Contract either in whole or in part thereof without compensation to Supplier / Contractor and if BHEL so desires, may procure such equipment / material / items not delivered or others of similar description where equipment / material / items exactly complying with particulars are not readily procurable in the opinion of BHEL which is final and in such manner as deemed appropriate, at the risk and cost of the Supplier / Contractor and the Supplier / Contractor shall be liable to BHEL for any excess cost to BHEL. However, the Supplier / Contractor shall continue execution of the Purchase Order / Contract to the extent not cancelled under the provisions of this clause.</p> <p>Recovery amount on account of purchases made by BHEL at the risk and cost of Supplier / Contractor shall be the difference of total value of new Purchase Order (PO) value and total value of old Purchase Order for applicable items, where the total value of new PO is more than total value of old PO for applicable items, plus additional 15% of the total ex-works value of new PO as overheads.</p> <p>The Supplier / Contractor shall on no account be entitled to any gain on such risk &amp; cost purchase. In case the purchase order (PO) value of the new PO is less than the PO value of the old PO, 15% of the total ex-works value of the new PO shall be recovered as overheads and the difference between the PO value of the old PO and the new PO shall not be considered for calculation of the recovery amount.</p>
<b>23.</b>	<p><b>ADJUSTMENT OF RECOVERY :</b></p> <p>Any amount payable by the Supplier / Contractor under any of the condition of this contract shall be liable to be adjusted against any amount payable to the Supplier / Contractor under any other Purchase Order / Contract awarded to him by any BHEL unit. This is without prejudice to any other action, as may be deemed fit, by BHEL.</p>
<b>24.</b>	<p><b>FORCE MAJEURE CONDITION :</b></p> <p>If by reason of war, civil commotion, act of god, Government restrictions, strike, lockout which are not in control of Supplier / Contractor the deliveries / services are delayed, Supplier / Contractor shall not be held responsible.</p> <p>If at any time during the continuance of the Purchase Order / Contract, the performance in whole or in part by either party of any obligations under the Purchase Order / Contract is prevented or delayed by reason of any war hostilities, acts of the public enemy, restrictions by Govt. of India, civil commotion, sabotage, fires, floods, explosion, epidemics, quarantine restrictions, strike, lock-outs or acts of God (hereinafter referred to as "event"), which are not in control of Supplier / Contractor or BHEL, then provided notice of the happening of such event is given by either party to the other within fifteen (15) days from the date of occurrence thereof, neither</p>

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	<p>party shall by reason of such event be entitled to terminate the Purchase Order / Contract nor shall have any claim for damages against each other in respect of such non-performance and delay in performance. Performance under the Purchase Order / Contract shall be resumed immediately after such event has come to an end or ceased to exist and decision of BHEL as to whether the deliveries have to be resumed or not shall be final, conclusive and binding on the parties hereto.</p> <p>In the event of the parties hereto not able to agree that a force majeure event has occurred, the parties shall submit the disputes for resolution pursuant to the provisions hereunder, provided that the burden of proof as to whether a force majeure event has occurred shall be upon the party claiming such an event.</p> <p>Notwithstanding above provisions, BHEL shall reserve the right to cancel the Purchase Order / Contract, wholly or partly, in order to meet the overall project schedule and make alternative arrangements for completion of delivery and other schedules.</p>
25.	<p><b>MANUFACTURING QUALITY PLAN (MQP) :</b> Supplier to submit approved MQP in line with requirement of BHEL/customer.</p>
26.	<p><b>SUPPLIER PERFORMANCE MONITORING AND RATING SYSTEM :</b> BHEL reserve the right for evaluation of Supplier Performance Rating as per Supplier Performance Monitoring and Rating System of BHEL for necessary action. Details are available at BHEL Website <a href="http://www.bhel.com">www.bhel.com</a> for reference.</p>
27.	<p><b>DEALING WITH BANNED SUPPLIERS / CONTRACTORS IN BHEL :</b> Offers of the bidders, who are on the banned list, as also the offers of the bidders who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website <a href="http://www.bhel.com">www.bhel.com</a> for reference.</p>
28.	<p><b>ORDER OF PRECEDENCE :</b> The order of precedence shall be as follows :- a) Special Terms &amp; Conditions (STC) for Tender Enquiry / Contract, if any b) General Terms &amp; Conditions (GTC) for Tender Enquiry / Contract &amp; Additional General Terms &amp; Conditions (GTC) for Tender Enquiry / Contract for Erection Testing &amp; Commissioning (ETC) at Site, if applicable Provisions in (a) above shall prevail over (b). In case of conflict, between Technical Specifications and STC / GTC, bidder to seek necessary clarifications from BHEL concerned official as specified in NIT.</p>
29.	<p><b>PACKING :</b> Packing shall be in conformity with specifications and shall be such as to ensure prevention of damages, corrosion, deterioration, shortages, pilferage and loss in transit or storage. In case of shipment by sea or air, the packing shall be sea-worthy or air-worthy respectively and of international standards. Different types of spares i.e. start-up / commissioning spares and initial spares (mandatory spares and recommended O&amp;M spares) are to be packed separately. Packing List shall be submitted as per standard format along with advance set of documents for claiming payment which shall also indicate :- a) Case / Packing size (as applicable). b) Gross weight and net weight of each package. c) Detailed contents of the package with quantity of each item separately.</p> <p>Project, Item / Package Description, BHEL's PO No. with date &amp; Case / Packing Mark should also be clearly mentioned on the Case / Packing and Packing List for identification. Also, Packing List must be duly signed &amp; should include respective Invoice No. &amp; LR No.</p> <p>Note :</p> <p>Foreign suppliers to furnish details to arrange inland transportation by BHEL, if</p>

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	<p>applicable, as follows :-</p> <ul style="list-style-type: none"> <li>i) No. of Packages</li> <li>ii) Size with Weight (Gross &amp; Net) of each Package</li> <li>iii) No. of Containers with type &amp; size required for inland transportation</li> <li>iv) Type of Cargo (Break Bulk / LCL / FCL)</li> <li>v) Customs Tariff No.</li> </ul>
<b>30.</b>	<p><b>COLOUR CODING :</b>  Aluminium stickers are required to be attached to large components but plastic sheet tags should be tied with small components, giving details like purchase order, description of the component, quantity etc.  Tags should be of the colour as follows :-</p> <ul style="list-style-type: none"> <li>a) Main equipment : Yellow or White tag</li> <li>b) Start-up / Commissioning spares : Blue tag</li> <li>c) Mandatory spares : Pink or Red tag</li> <li>d) Recommended / O&amp;M spares : Green tag</li> </ul>
<b>31.</b>	<p><b>MICRO, SMALL &amp; MEDIUM ENTERPRISES (MSME) :</b>  MSMED Act 2006 as amended from time to time &amp; extant regulations of Govt. of India for MSME will be applicable.  Micro &amp; Small Enterprises (MSE) can avail the intended benefits only if they submit along with the offer / bid, attested copies of either Acknowledgement of Entrepreneur Memorandum Part-II (EM-II certificate) having deemed validity (five years from the date of issue of acknowledgement in EM-II) or valid NSIC certificate or EM-II certificate along with attested copy of a CA certificate (As per BHEL format where deemed validity of EM-II certificate of five years have expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of opening (for Techno-commercial Bid : Part-I in case of two part bid). Non-submission of such documents will lead to consideration of their bid at par with other bidders. No benefit shall be applicable for this enquiry if any deficiency in the above required documents are not submitted before price bid opening. If the tender is to be submitted through e-procurement portal, then the above required documents are to be uploaded on the portal. Documents should be notarized or arrested (in original) by a Gazetted officer.  Copy of Udyog Aadhaar Memorandum with Acknowledgement of Ministry of Micro, Small &amp; Medium Enterprises should also be furnished.</p>
<b>32.</b>	<p><b>BUSINESS ETHICS / SUSPENSION OF BUSINESS DEALINGS WITH SUPPLIERS / CONTRACTORS :</b>  If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution, indulges in malpractices cheating, bribery, fraud or other misconduct or formation of cartel so as to influence the bidding process or influences the price or fails to perform or is in default without any reasonable cause etc or performs any act considered objectionable as per extant guidelines, action may be taken against such bidders/supplier/contractor as per extant "Guidelines for Suspension of Business Dealings with Suppliers/Contractors". Abridged version of same is available at BHEL website (<a href="http://www.bhel.com">www.bhel.com</a>) on "Supplier Registration" Page.</p>
<b>33.</b>	<p><b>REVERSE AUCTION :</b>  BHEL reserve the right to go for Reverse Auction (RA) instead of opening the sealed envelope price bid, submitted by the bidder or price bid submitted by the bidder through e-procurement system. This will be decided after techno-commercial evaluation. All bidders to give their acceptance for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.  In case BHEL decides to go for Reverse Auction, only those bidders who have given their unconditional acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit "online sealed bid" in the</p>

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	<p>Reverse Auction. Non-submission of “online sealed bid□ by the bidder will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.</p> <p>General Terms and Conditions of RA are available at Annexure. Business Rules for RA shall be sent to the bidders before conducting RA.</p> <p>Abridged Version of “Common Guidelines for Conducting Reverse Auction” may also be seen at BHEL website (<a href="http://www.bhel.com">www.bhel.com</a>) on “Supplier Registration” Page &amp; “Tender Notifications” Page.</p>
34.	<p><b>INTEGRITY PACT :</b></p> <p>Bidders shall have to enter into Integrity Pact with BHEL, duly signed with seal in original, if specified in NIT / RFQ failing which bidder's offer shall be liable for rejection.</p>
35.	<p><b>TERMINATION OF CONTRACT :</b></p> <p>BHEL shall have the right to cancel the Purchase Order / Contract without any financial implication to BHEL if vendor approval by end user / customer is withdrawn or in case of Suspension of Business Dealings with the Suppliers / Contractors by BHEL.</p> <p>BHEL shall have the right to cancel Purchase Order / Contract, wholly or in part, in case they are obliged to do so on account of any decline, diminution, curtailment or stoppage of their business and in that event, the Supplier's / Contractor' compensation claim shall be settled mutually.</p> <p>In case of cancellation of Purchase Order / Contract for main supply, all other associated Purchase Orders / Contracts like those for Mandatory Spares / Recommended Spares / Erection, Testing &amp; Commissioning (ETC) / Supervision of ETC, if any, would also get cancelled.</p>
36.	<p><b>SHELF LIFE</b></p> <p>Supplier has to inform the list of the items / sub-items which have limited shelf life like consumables or those required for the first fill and shall indicate the corresponding shelf life period in the offer. Such items / sub-items shall be manufactured / despatched only after getting formal clearance from BHEL.</p>
37.	<p><b>LIMITATION OF LIABILITY :</b></p> <p>Notwithstanding any other provisions, except in cases of wilful misconduct and / or criminal negligence / acts,</p> <p>a) Neither the Supplier / Contractor nor BHEL shall be liable to the other, whether in Purchase Order / Contract, tort, or otherwise, for any consequential loss or damage, loss of use, loss of production or loss of profits or interest costs, provided however that this exclusion shall not apply to any obligation of the Supplier / Contractor to pay Liquidated Damages to the BHEL and</p> <p>b) Notwithstanding any other provisions incorporated elsewhere in the contract, the aggregate liability of the Contractor in respect of this contract, whether under the Contract, in tort or otherwise, shall not exceed total Contract Price, provided however that this limitation shall not apply to any obligation of the Vendor to indemnify BHEL with respect to Patent Infringement or Intellectual Property Rights.</p>
38.	<p><b>SHORTAGES / DAMAGES :</b></p> <p>a) Against Supply only or Supply where Supervision of Erection, Testing &amp; Commissioning (ETC) at Site or Supply where Testing &amp; Commissioning at Site is in scope of the supplier :</p> <p>Any shortages and / or damages in supplies shall be supplied / replenished free of cost by the supplier as early as possible but not later than 30 days from the</p>

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	<p>date of intimation by BHEL to the supplier.</p> <p>b) Against Supply where Erection, Testing &amp; Commissioning (ETC) at Site is in scope of the supplier :</p> <p>Any shortages and / or damages in supplies and during handling / storage, erection, testing and commissioning at site shall be supplied / replenished free of cost by the Supplier / Contractor, as early as possible, to meet the contractual completion time / schedule.</p> <p>Note: There shall not be any extension in the contractual delivery time / schedule due to any shortages and / or damages in supplies.</p>
39.	<p><b>VARIATION OF CONTRACT VALUE / QUANTITY VARIATION :</b></p> <p>BHEL shall have the right to variation in quantities of items within <math>\pm 20\%</math> of the total Purchase Order / Contract value at the time of placement of PO or award of Contract on overall basis for all amendments together within two years from the date of original Purchase Order / Contract or completion of execution of the Purchase Order / Contract whichever is earlier but quantities of individual items may vary to any extent or may get deleted unless otherwise specified in the technical specifications. No compensation is payable due to variation in the quantities and the Supplier / Contractor shall be bound to accept the same the contracted prices / rates without any escalation. However, if the Purchase Order / Contract is on "Lumpsum" basis, no variation of Purchase Order / Contract value shall be admissible to the Supplier / Contractor within the scope of Purchase Order / Contract, as long as the inputs remain unchanged.</p>
40.	<p><b>STATUTORY VARIATION :</b></p> <p>GST rates prevailing at the time of dispatch of goods/ completion of services shall be payable by BHEL. All other taxes, duties, charges, royalty, cess, other levies shall be deemed to be included in the Ex Works Prices /Charges quoted by bidders and no variations shall be payable in respect thereof . No other variations such as on customs duty, exchange rate, minimum wages, prices of controlled commodities, any other input etc. shall be payable by the BHEL.</p> <p>Notwithstanding anything above, where the actual completion of the supply / services occurs beyond the period stipulated in the Purchase Order / Contract or any extension thereof, variations referred to above, will be limited to the rates prevailing on the dates of such agreed completion periods only. For variations after the agreed completion periods, the Supplier / Contractor alone shall bear the impact for the upward revisions and for downward revisions BHEL shall be given the benefit of reduction in applicable taxes /GST. This will be without prejudice to the levy of liquidated damages for delay in delivery / completion.</p> <p>If new tax is introduced by Central/ State Govt/ Municipality becomes directly applicable on items specified in Bill of Quantities/Purchase Order/Contract, full reimbursements shall be made provided it becomes applicable on items specified in Bill of Quantities.</p> <p>However, any additional tax implication due to delay in delivery, beyond the Contractual Delivery, attributable to supplier shall be borne by supplier.</p>
41.	<p><b>MODE OF PAYMENT :</b></p> <p>Payment shall be made directly to the Supplier / Contractor by BHEL through NEFT / RTGS.</p>
42.	<p><b>CONFIDENTIALITY :</b></p> <p>Supplier / Contractor shall, at all times, undertake to maintain complete confidentiality of all data, information, software, drawings &amp; documents etc. belonging to BHEL and also of systems, procedures, reports, input documents, manuals, results and any other BHEL documents discussed and / or finalized during the course of execution of Purchase Order / Contract.</p>

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<b>43.</b>	<b>INDEMNIFICATION :</b> The Supplier / Contractor shall indemnify and keep indemnified and hold harmless BHEL and its employees and officers from and against any and all claims, suits, actions or administrative proceedings, demands, losses, damages, costs and expenses and any other claim of whatsoever nature in respect of the death or injury of any person or loss of or damage to any property arising during the course and out of the execution of the Purchase Order / Contract.
<b>44.</b>	<b>TITLE OF GOODS :</b> a) Ownership of the equipment / material procured in India, shall be transferred to BHEL upon loading on to the mode of transport to be used for transportation of the said equipment / material from the works to the site / destination and upon endorsement of the dispatch documents in favour of BHEL. b) Ownership of the equipment / material to be imported into the country where the site is located, if not procured in India, shall be transferred to BHEL upon loading on the mode of transport to be used for transportation of the equipment / material from the country of origin to that country / destination and upon endorsement of despatch document in favour of BHEL. c) Notwithstanding the transfer of ownership of the equipment / material, the responsibility for care and safe custody thereof together with the risk of loss or damage thereto for whatsoever reason shall remain with the Supplier.
<b>45.</b>	<b>COMPLIANCE OF STATUTORY REQUIREMENTS :</b> The vendor shall comply with all State and Central Laws / Acts, Statutory Rules, Regulations etc., as may be enacted by the Government during the tenure of the Purchase Order / Contract and having in force and applicable to the Purchase Order / Contract and nothing shall be done by the Supplier / Contractor in contravention of any Law / Act and / or Rules / Regulations, thereunder or any amendment thereof. The Supplier / Contractor shall pay all taxes, fees, licence charges / deposits, duties, tolls, royalty, commissions or other charges which may be levied on account of any of his operations connected with the Purchase Order / Contract. In case BHEL is constrained to make any of such payments, BHEL shall recover the same from the Supplier / Contractor either from moneys due to him or otherwise as deemed fit.
<b>46.</b>	<b>ACCEPTANCE OF ORDER :</b> Supplier should acknowledge and accept the Letter of Award / Purchase Order issued by BHEL within 7 days of the issue of Letter of Award / Purchase Order. In case of any discrepancy / typographical error in issue of Purchase Order / Contract, the agreed terms & conditions, scope of work, rates / prices for placement of PO / award of contract shall be applicable and BHEL reserves the right to issue amendment(s) to PO / Contract for correction of discrepancies / typographical errors in the PO / Contract at a later date.
<b>47.</b>	<b>FRAUD PREVENTION POLICY :</b> The Bidder along with its associate / collaborators / sub-contractors / sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <a href="http://www.bhel.com">http://www.bhel.com</a> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

Signature of Bidder (Authorized Signatory) with Date & Seal

**BANK GUARANTEE FOR ADVANCE**

Bank Guarantee No: Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of Bharat Heavy Electricals Limited<sup>1</sup> (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at \_\_\_\_\_ through its Unit at.....(name of the Unit) having awarded to..... ( Name of the Vendor / Contractor / Supplier), with its registered office at \_\_\_\_\_ (hereinafter called "the Vendor/Contractor/Supplier" which expression shall include its successors and permitted assigns) a contract Ref

No.....dated .....valued at Rs.....(Rupees -----)/FC.....(in words.....) for .....(hereinafter called the 'Contract')

AND WHEREAS the Employer has agreed to advance to the Vendor/Contractor/Supplier, a sum of Rs..... (Rupees..... only), equivalent to \_\_\_\_\_% of the said value of the Contract (hereinafter called "the said Advance"), upon the condition, that the said Advance shall be secured by a guarantee for Rs/ FC ----- ( Rupees/ FC -----) from a Bank as hereinafter appearing.

We, ....., (hereinafter referred to as the Bank), having registered/Head office at ..... and a branch at ..... being the Guarantor under this Guarantee, hereby irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer any sum or sums upto a maximum amount but not exceeding Rs/FC ----- ( Rupees/FC -----) without any demur, merely on your first demand and without any reservation, protest and recourse and without the Employer needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Vendor/Contractor/Supplier in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment hereunder and the Vendor/Contractor/supplier shall have no claim against us for making such payment.

We, the .....Bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We .....>>>> Bank further agree that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Vendor/Contractor/Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Vendor/Contractor/Supplier and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Vendor/Contractor/Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Vendor/Contractor/Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Vendor/Contractor/Supplier and notwithstanding any security or other guarantee that the Employer may have in relation to the Vendor/Contractor/Supplier's liabilities.

This Guarantee shall remain in force upto and including..... and shall be extended from time to time on the request of the Employer for such period as may be desired by the Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Vendor/Contractor/Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms hereof. However, unless a demand or claim under this Guarantee is made on us in writing on or before the ..... we shall be discharged from all liabilities under this Guarantee.

We, ..... BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

This Bank Guarantee shall be governed, construed and interpreted in accordance with the laws of India.

Courts at ..... shall alone have exclusive jurisdiction over any matter arising out of or in connection with this Bank Guarantee

Notwithstanding anything to the contrary contained hereinabove:

- The liability of the Bank under this Guarantee shall not exceed.....
- This Guarantee shall be valid up to .....
- Unless the Bank is served a written claim or demand on or before \_\_\_\_\_ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank

We, \_\_\_\_\_ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of  
(Name of the Bank)

Date.....

Place of Issue.....

<sup>1</sup> NAME AND ADDRESS OF THE EMPLOYER. i.e Bharat Heavy Electricals Limited

<sup>2</sup> NAME AND ADDRESS OF VENDOR /CONTRACTOR / SUPPLIER

<sup>3</sup> DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

<sup>4</sup> CONTRACT VALUE AND PROJECT/SUPPLY DETAILS

<sup>5</sup> BG AMOUNT IN FIGURES AND WORDS

<sup>6</sup> VALIDITY DATE

<sup>7</sup> DATE OF EXPIRY OF CLAIM PERIOD

**Note:**

1. Units are advised that expiry of claim period may be kept 3-6 months after validity date. It may be ensured that the same is in line with the agreement/ contract entered with the Vendor.

**BANK GUARANTEE FOR PERFORMANCE SECURITY**

Bank Guarantee No: .....

Date:

To

NAME

&amp; ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of Bharat Heavy Electricals Limited (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at \_\_\_\_\_ through its Unit at.....(name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) with its registered office at\_\_\_\_\_ hereinafter referred to as the 'Vendor / Contractor / Supplier', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No.....dated ..... valued at Rs..... (Rupees -----)/FC.....(in words.....) for ..... (hereinafter called the 'Contract') and the Vendor / Contractor / Supplier having agreed to provide a Contract Performance Bank Guarantee, equivalent to .....% (... Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract,

we, ..... (hereinafter referred to as the Bank), having registered/Head office at ..... and inter alia a branch at ..... being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer any sum or sums upto a maximum amount of Rs ----- (Rupees -----) without any demur, immediately on first demand from the Employer and without any reservation, protest, and recourse and without the Employer needing to prove or demonstrate reasons for its such demand.

Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. \_\_\_\_\_.

We undertake to pay to the Employer any money so demanded notwithstanding any dispute or disputes raised by the Vendor / Contractor / Supplier in any suit or proceeding pending before any Court or Tribunal, Arbitrator or any other authority, our liability under this present being absolute and unequivocal.

The payment so made by us under this Guarantee shall be a valid discharge of our liability for payment thereunder and the Vendor / Contractor / Supplier shall have no claim against us for making such payment.

We the .....bank further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract/satisfactory completion of the performance guarantee period as per the terms of the Contract and that it shall continue to be enforceable till all the dues of the Employer under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

We .....BANK further agree with the Employer that the Employer shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Contract or to extend time of performance by the said Vendor / Contractor / Supplier from time to time or to postpone for any time or from time to time any of the powers exercisable by the Employer against the said Vendor / Contractor / Supplier and to forbear or enforce any of the terms and conditions relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Vendor / Contractor / Supplier or for any forbearance, act or omission on the part of the Employer or any indulgence by the Employer to the said Vendor / Contractor / Supplier or by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

The Bank also agrees that the Employer at its option shall be entitled to enforce this Guarantee against the Bank as a principal debtor, in the first instance without proceeding against the Vendor / Contractor / Supplier and notwithstanding any security or other guarantee that the Employer may have in relation to the Vendor / Contractor / Supplier 's liabilities.

This Guarantee shall remain in force upto and including..... and shall be extended from time to time for such period as may be desired by Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Vendor / Contractor / Supplier but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms thereof.

Unless a demand or claim under this guarantee is made on us in writing on or before the .....we shall be discharged from all liabilities under this guarantee thereafter.

This Bank Guarantee shall be governed, construed and interpreted in accordance with the laws of India.

Courts at ..... shall alone have exclusive jurisdiction over any matter arising out of or in connection with this Bank Guarantee

We, ..... BANK lastly undertake not to revoke this guarantee during its currency except with the previous consent of the Employer in writing.

Notwithstanding anything to the contrary contained hereinabove:

- a) The liability of the Bank under this Guarantee shall not exceed.....
- b) This Guarantee shall be valid up to .....
- c) Unless the Bank is served a written claim or demand on or before \_\_\_\_\_ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

We, \_\_\_\_\_ Bank, have power to issue this Guarantee under law and the undersigned as a duly authorized person has full powers to sign this Guarantee on behalf of the Bank.

For and on behalf of  
(Name of the Bank)

Dated.....

Place of Issue.....

<sup>1</sup> NAME AND ADDRESS OF EMPLOYER I.e Bharat Heavy Electricals Limited

<sup>2</sup> NAME AND ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.

<sup>3</sup> DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

<sup>4</sup> CONTRACT VALUE

<sup>5</sup> PROJECT/SUPPLY DETAILS

<sup>6</sup> BG AMOUNT IN FIGURES AND WORDS

<sup>7</sup> VALIDITY DATE

<sup>8</sup> DATE OF EXPIRY OF CLAIM PERIOD

**Note:**

1. Units are advised that expiry of claim period may be kept 3-6 months after validity date. It may be ensured that the same is in line with the agreement/ contract entered with the Vendor.
2. The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Vendor/Contractor/Supplier /Bank issuing the guarantee.

	<p><b>Transmission Business Group</b>  <b>HSE Department, HQ, Noida</b></p>	
	<p><b>HSE Policy</b></p>	

**1. BHEL HSE Policy**



In BHEL, Health, Safety and Environment (HSE) responsibilities are driven by our commitment to protect our employees and people we work with, community and environment. BHEL believes in zero tolerance for unsafe work/non-conformance to safety and in minimizing environmental footprint associated with all its business activities. We commit to continually improve our HSE performance by:

- Developing safety and sustainability culture through active leadership and by ensuring availability of required resources.
- Ensuring compliance with applicable legislation, regulations and BHEL systems.
- Taking up activities for conservation of resources and adopting sound waste management by following Reduce/Recycle/Reuse approach.
- Continually identifying, assessing and managing environmental impacts and Occupational Health & Safety risks of all activities, products and services adopting approach based on elimination/substitution/reduction/control.
- Incorporating appropriate Occupational Health, Safety and Environment criteria into business decisions, design of products & systems and for selection of plants, technologies and services.
- Imparting appropriate structured training to all persons at workplace and promoting awareness amongst customers, contractors and suppliers on HSE issues.
- Reviewing periodically this policy and HSE Management Systems to ensure its relevance, appropriateness and effectiveness.
- Communicating this policy within BHEL and making it available to interested parties.



Atul Sobti  
 Chairman & Managing Director

June 5, 2018

Creating  of tomorrow

