



# भारत हेवी इलेक्ट्रिकल्स लिमिटेड BHARAT HEAVY ELECTRICALS LIMITED

सामान्य प्रशासन समूह - भेल सदन कैम्पस / COMMON ADMIN GROUP – BHEL  
SADAN

प्लॉट सं. -25, सैक्टर-16 ए, फ़िल्म सिटी / PLOT No.-25, SECTOR-16A, FILM CITY  
नोएडा-201301 (उ. प्र.) / NOIDA- 201301 (U.P.)



## OPEN TENDER DOCUMENT

FOR

Misc. Civil & Electrical Works for renovation and upgradation of 22 rooms of  
HRDI Building at BHEL SADAN Campus, Noida.

निविदा संख्या/NIT No.- AA: CAG: BSN: 25 -26: HRDI Rooms Renovation: 07 Dt 06.08.2025

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निविदा जमा करने की अंतिम तिथि / LAST DATE FOR SUBMISSION: 20.08.2025 at 15:00 Hrs.

निविदा खोलने की तिथि / DATE FOR OPENING OF TENDER: 20.08.2025 at 15:30 Hrs.

06.08.2025  
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SPL. Engr.  
सहायक निदेशक / सामान्य प्रशासन  
भारत हेवी इलेक्ट्रिकल्स लिमिटेड  
नोएडा-201301 (उ. प्र.)  
BHEL Sadan, Plot No. 25, Sector-16A, Film City, NOIDA-201301 (U.P.)



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Ltd.

सामान्य प्रशासन समूह - भेल सदन परिसर, सैक्टर-16 A, नोएडा - 201301 (यू.पी.),  
COMMON ADMIN GROUP- BHEL SADAN CAMPUS, Sector-16 A, Noida-201 301 (UP)

**खुली निविदा आमंत्रित करने की सूचना/NOTICE FOR INVITING OPEN TENDER**

Sealed tenders are invited in Two Part Bid System for the following work: -

Name of Work	Misc. Civil & Electrical Works for renovation and upgradation of 22 rooms of HRDI Building at BHEL SADAN Campus, Noida.
NIT No.	AA: CAG: BSN: 25 -26: HRDI Rooms Renovation: 07 Dt: 06.08.2025
Completion Period	06 MONTHS (180 DAYS)
Last date for submission of e-Tender	20.08.2025 at 15:00 Hrs
Date of opening e-Tender	20.08.2025 at 15:30 Hrs
Venue for Opening of e-Tender	BHEL-SADAN Tower, Plot No- 25, Sector-16A, Film City, Noida.

The Tender Document may be obtained from the Office of Sr Engineer (HR-ADMIN/ CAG), BHEL SADAN Building, Sector-16A, Noida free of cost or may be downloaded from BHEL e-Procurement Portal (<https://eprocurebhel.co.in>) and submit through online mode latest by 25.07.2025 at 15:00 Hrs. *Tenderers have to submit their bids/offers electronically/ through online only by logging to BHEL e-Procurement portal <https://eprocurebhel.co.in/>. Sealed cover bids/E-mails/Fax/Manual offers will not be accepted.* All corrigendum/addendum in subject NIT shall be updated on BHEL e-Procurement portal <https://eprocurebhel.co.in/>. Bidders are requested to visit above portals/website on regular intervals to keep abreast with latest updates. In case of any clarification the bidder can contact Sr Engineer (HR- ADMIN/NBP) on Mobile No.: +91 - 9717173544 or at e-mail: [sandipan@bhel.in](mailto:sandipan@bhel.in).

*06.08.2025*  
For and on behalf of "BHEL"

Sandipan Goswami  
Sr. Engineer (HR-Admin/CAG)



## **PART 'A' – TECHNO- COMMERCIAL BID**

### **A. INSTRUCTIONS FOR THE BIDDERS:**

1. The offer shall be submitted as per the instructions of tender document. Only one set of tender documents duly signed & stamped on each page shall be submitted as detailed further. Tenderer should note specifically that all pages of tender document, including the NIT page for this particular tender shall be submitted by them (after signing/ stamping on each page) as a part of their offer. Price shall not be mentioned by them anywhere in the techno-commercial portion of offer, except in the relevant price bid and submitted ONLINE. In case of any clarification, bidder may contact this office.
2. Bid should be free from correction, overwriting, using corrective fluid, etc. any interlineation, cutting, erasure or overwriting shall be valid only if they are attested under full signature (s) of person (s) signing the bid else bid shall be liable for rejection.
3. Tenderers have to submit their bids/offers electronically/ through online only by logging to BHEL e-Procurement portal <https://eprocurebhel.co.in/>. Sealed cover bids/E-mails/Fax/Manual offers will not be accepted. Tender must be submitted in two parts, i.e., (i) Techno-Commercial Bid along with un-price bid and (ii) Price Bid.
4. Tender to be submitted through electronic mode only, by logging to e-Procurement portal <https://eprocurebhel.co.in/>. Sealed cover bids/E-mails/Fax/Manual offers will not be accepted.
5. It is mandatory to have a valid digital signature certificate (DSC) for submission of tender on e-Procurement portal.
6. Tenders shall be uploaded with all relevant PDF/zip format. The relevant tender documents should be uploaded by an authorized person having Class 3- SHA2- 2048 BIT- SIGNING & ENCRYPTION digital signature certificate (DSC).
7. Bidders interested in participating against an electronic tender are advised to obtain "Digital Signature Certificate" and get themselves registered on "<https://eprocurebhel.co.in/>" website well in advance of the tender closing date. BHEL shall not be able to provide any assistance to the vendor in this regard, and shall not be responsible for failure of the vendor to submit their offer timely against the electronic tender. Bidders are advised to go through the FAQ available in the web portal.
8. Before quoting the price, Bidders are also requested to go through General Terms & conditions, Special Terms & conditions of tender, Scope of work and all other documents which are part of tender and shall form part of the agreement to be entered into.
9. All the corrections / cancellations / insertions, if any, shall be duly attested by the Bidders concerned as per options available on the GePNIC portal.
10. Kindly ensure that the total size of the scanned documents to be uploaded remains minimum and within the permissible limits available on the GePNIC portal. If required, documents may be scanned at lower resolutions. However, it shall be sole responsibility of bidder that the uploaded documents are legible.
11. For two-part bid double covers system consisting 'Part-A & Techno-commercial Bid' in one cover & 'Part-B/Price Bid' in the second cover has to be submitted on the GePNIC portal.
12. Price bid should not be submitted along with the techno commercial bid in the cover type 'Part-A & Techno-commercial Bid' specified for techno commercial bid. The price bid has to be submitted separately in the cover type 'Part-B/Price Bid' specified for price bid only.
13. The digital signature of the tenderer on the e-tender form will be considered as confirmation that the tenderer has read, understood and accepted all the conditions laid down in the documents unless special deviation is quoted by the tenderer.
14. The Tender shall be digitally signed by the Authorized Signatory Only.

  
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15. The e-Bidding Notice shall be published on e-procurement portal, stipulating the bid submission end date and bid opening date. The bidders are strictly advised to follow date and time as indicated in the e- Bidding Notice. The date and time shall be binding on all bidders.
16. No Vendor shall be required to be present in the BHEL office for any e-Tender opening process. BHEL does not guarantee opening of tenders at the specified Date and Time which may change due to reasons beyond control and hence tenders can be opened after due date and time also. It will, however, be ensured that no bids are submitted after tender closing Date and Time. Vendors cannot submit any offer or attach any file after the due date and time as stipulated under the tender notice.
17. Price Bid should contain only the "Part-B, Price Bid Format" after quoting the rates as specified in the Price bid format.
18. Rates must be quoted in figures as well as in words.
19. On the date of opening of tender, only Techno-Commercial Bid shall alone be opened.
20. After evaluation of Pre-Qualification Documents, a list of short listed agencies will be prepared.
21. Thereafter the Price bids of only the qualified and technically acceptable bidders shall be opened at the notified time and date in the presence of the qualified bidders or their representatives, if present.
22. Price Bid Opening Date & Time Shall be intimated to qualified bidders through e-mail or telephone.
23. BHEL reserves the right to accept or reject any or all offers without assigning any reason thereof. Also, BHEL shall not entertain any correspondence from bidders in this matter.
24. In case any typing error/other clerical errors is noticed by the tenderer, in the tender documents, the same must be pointed out and got clarified before submission of offer, or else, BHEL's interpretation shall prevail & shall be binding on the tenderer.
25. The Tenderer should accept all terms & conditions of the tender unconditionally. Tenders with deviations from terms and conditions shall be rejected.
26. In case any document required as per PQR is not submitted in techno-commercial bid (part-A) the party shall be asked to submit the same within 48 hours by email, etc. If the document(s) is/are not received within 48 hours the offer may be rejected.
27. As per BHEL Works Policy, it has been clarified that benefits as envisaged in the Public Procurement Policy for MSEs order 2012 are to be provided in respect of the procurement related to the Goods (defined as Materials in Purchase Policy 2013) and Services (as defined in Works Policy 2016), produced and provided by Micro and Small Enterprises (MSEs) only and no benefit is to be given in case of Works Contract. Since the subject proposal falls under the category of a Works Contract, exemption for MSME bidders has not been provided.
28. **Tenderers are requested to go through the scope of work, visit the site/location etc. and get fully acquainted with the work place and prevailing working conditions to get all their doubts clarified regarding the subject work before submitting the offer.** Engineer-in-charge's decision will be full and final in the event of any doubt. Any queries regarding this tender may be clarified from Sr Engineer (HR-ADMIN/ NBP), Mobile No.: +91 - 9717173544 or at e-mail: [sandipan@bhel.in](mailto:sandipan@bhel.in).

- B. SCOPE OF WORK:** - The scope of work for Misc. Civil & Electrical Works for renovation and upgradation of 22 rooms of HRDI Building at BHEL SADAN Campus, Noida is detailed out in the tender document and described in Bill of Quantities (BOQ) of Contract. The Contractor shall carry out and complete the said works in every respect in accordance with this Contract and with the directions of and to the satisfaction of BHEL Engineer-in-Charge. In case of any doubt regarding the specification and its quality of work, Engineer in Charge's clarification and decision will be final and binding on the contractor.

**List of Preferred Makes for Repair and Maintenance of BHEL - SADAN Campus Existing Boundary Wall work:**





Preferred makes of materials to be used in the work are as under as applicable. In case of non-availability of these makes, the Engineer-in-charge may allow use of alternative materials in the work. All makes applicable as per Schedule of Quantities must be as per the BHEL preferred make.

Sl. N.	Name of Material/ Fittings	Make/ Brand
1	Cement	ACC, Ultra Tech, Ambuja
2	Reinforcement Bars	SAIL, Tata Steel Ltd, RINL, Jindal Steel & Power Ltd. and JSW Steel Ltd
3	Water proofing compounds	Dr. Fixit, Sika, Fosroc, Asian Paint smart care or equivalent
4	P. Fittings	Jaquar, Hindware, Viking or equivalent
5	Wash Basin, W. C.	Hindware, Parryware, Cera, Kohler or equivalent.
6	PVC door shutter	Sintex, Raunaq Plastics Ltd., Polyline Extrusion Pvt. Ltd. Or equivalent.
7	Roller Blind	Vista, Johnson Blinds or equivalent
8	Floor/Wall tiles	Kajaria, Somany, Orient or equivalent.
9	All GI Box/ modular sheet/ plate/ Switch/ Socket/ blank palte/ regulator etc.	Anchor- Roma/ Legrand (myrius)/ Siemens (Delta)/ Havells Crabtree (Coral / Magnus).
10	All PVC insulated copper and Aluminium cable & wire	Polycab/Havells/KEI/ Finolex
11	PVC Conduit Pipe	polycab/Finolex/AKG
12	MCB/MCCB/ Power Contactor/	L&K / C&S/ABB
13	MCB Distribution Board	L&K / C&S/ABB
14	Geyser	Havells/ Crompton/Ao Smith
15	Celling Fan	Kuhl/Havells/ Crompton/Orient
16	Wall Fan	Kuhl/Havells/ Crompton/Orient
17	All light fixture	Philips/ Havells
18	Cable Gland	Siemens /Comet
19	Thimbles/ Lugs	Raychem/ Dowells/Comet

**Note:** No make or brand of Civil and Electrical items other than those specified above shall be accepted at the time of execution of work.

### C. PRE - QUALIFYING CRITERIA:

- The bidder should have valid PAN & GST No.
- The Bidder's average annual financial turnover during the last three financial years i.e. 2021-22, 2022-23, 2023-24. (2024 -25 may be submitted if available instead of F/Y 21-22) should be at least Rs 52.67 Lacs (including GST).
- The experience of having successfully completed similar Works (Similar work shall mean execution of Civil Construction / Renovation / Repair works in PSUs/ PSU Banks/ Financial Institutions/ MNCs/Corporates etc.) during last 7 years ending on 30.06.2025 should be either of the following: -

- Three similar completed jobs/ works costing not less than Rs. 70.22 Lacs (including GST) each.

OR

- Two similar completed jobs/ works costing not less than Rs. 87.78 Lacs (including GST) each.



OR

- c) One similar completed jobs/ works costing not less than Rs. 140.45 Lacs (including GST).

**Note:** Failure to meet the above mentioned PQR requirement may result in disqualification from the Bidding or Contracting process.

**D. DOCUMENTS REQUIRED IN SUPPORT OF PRE-QUALIFYING REQUIREMENT:**

- a. Self-attested copies of CA Certificates of Average Annual Turnover bearing UDIN No. of last three financial years i.e. 2021-22, 2022-23, 2023-24. (2024 -25 may be submitted if available instead of F/Y 21-22).
- b. OR audited Balance Sheet and Profits & Loss Account statements bearing UDIN No. of last three financial years i.e. 2021-22, 2022-23, 2023-24 (2024 -25 may be submitted if available. instead of F/Y 21-22).
- c. Self-attested copies of acknowledgements of IT return of last three financial years i.e.2021-22, 2022-23, 2023-24 (2024 -25 may be submitted if available. Instead of F/Y 2021-22).
- d. Self-attested copies of Work Orders/ Award letters along with certificates of completion in support of proof of experience for the works executed by the bidders during last 7 years ending on 30.06.2025. BHEL reserves the right to cross check the documents from the issuing department/ company. BHEL reserves the right to reject any or all applications at any stage without assigning any reason, thereof.
- e. Self-attested copy of the PAN & GST No.
- f. Un-Price bid as per Annexure - I
- g. The Bidder must Submit a declaration (enclosed at Annexure - II), that the bidder has not been suspended /blacklisted by PSU or any organization.
- h. No deviation certificate as per Annexure - III (enclosed) must be signed and stamped.
- i. Bidder must submit the bidder's details in the enclosed format (Annexure - IV).

**E. GENERAL TERMS & CONDITIONS: -**

- 1) BHEL will not be responsible for delay submission of tender under any circumstances for non-receipt of Tenders by due date & time.
- 2) BHEL has the right to reject all or any of the tenders and accept any tender(s) irrespective of its / their being the lowest / highest.
- 3) If any information/ documents submitted by the tenderer are found false/fake at any stage, the tender will be cancelled.
- 4) The Tenderers are required to quote for the complete scope of work. Tenders for part of the work or incomplete in any respect are liable to be rejected.
- 5) Rates/amount/percentage quoted by the bidder will be firm for the entire contract period including extended period of contract. No price variation and escalation due to increase in labour / material cost will be allowed.
- 6) The Rates/amount/percentage quoted by the bidder are deemed to be inclusive of all and any other incidental works required to complete the work and inclusive of all the taxes including GST.
- 7) The rate should be indicated both in words and figures. All entries in the Tenders must be written in ink or typewritten. Over-writing should be avoided. Corrections, if any, should be attested with signature by the bidder.
- 8) In case L-1 bidder quotes abnormally low rates, BHEL may ask such bidder to submit the rate analysis of the item with justification. Failure to which, bid may be considered non-responsive and liable for rejection.
- 9) Shut Downs: No routine shut down shall be permitted during office hours. The contractor shall be at liberty to carry out maintenance on holidays and after office hours but with prior permission of BHEL.





- 10) This is being a pure works contract, the personnel engaged by the contractor and deployed by him at BHEL premises will be in no way be deemed as working under employment of BHEL and there shall not exist any employer-employee relationship between BHEL and the contractor or his personnel deployed by him. The Contractor or personnel shall have nothing to do with BHEL either in respect of wages/salary or such other statutory benefits or compensation etc. under the Labour Laws and other related Laws i.e. Gratuity, Bonus or Workmen Compensation Act or any other law in force. The contractor shall obtain an appropriate/adequate Policy i.e. Contractor All Risks (CAR) Policy so as to meet any obligation in any eventuality. The Contractor will be responsible for providing benefits like ESI, PF, Bonus, Group Insurance Scheme etc. under the relevant rules/laws of the State and Central Government. The Contractor shall be solely liable for any dispute that might arise in any matter in future for violation/non-compliance of Labour Laws/regulations and BHEL will have no responsibility, whatsoever.
- 11) Thorough checking of employees of the contractor during entry/exit would be done by security staff of BHEL.
- 12) The employees of the contractor will work strictly under the direction and administrative control of the contractor's Manager/Supervisor/Site Engineer. However, the contractor's supervisory staff will have to execute the work through their employees according to the requirement, need and/ instructions of the designated officers of BHEL.
- 13) The employee of the contractor will ensure strict discipline and behavior and diligent performance of their duties most befitting to the décor of the most modern mechanized building and the employees of the contractor shall not in any manner cause any interference, annoyance, nuisance etc. to BHEL staff or its business or working and will be liable for immediately replacing/relocating the individual employee if the services rendered by him are not found to be satisfactory.
- 14) In case of any damage to BHEL's property/premises for which contractor is accountable, the contractor will be liable to pay the compensation to BHEL as may be advised by BHEL. The contractor shall also take full responsibility and compensate BHEL for any loss/damage/break-down caused to the installation due to negligence of his workers.
- 15) BHEL will not be responsible for any injury/death caused to the employees provided by the contractor at site. It will be the responsibility of the contractor to abide with the all the provisions of the Workmen Compensation Act, 1923 and no compensation, whatsoever shall be paid by BHEL in this regard.
- 16) The workforce deployed by the contractor should be adequately covered under Personal Accident Insurance Plan.
- 17) The evaluation currency for this tender shall be INR (Indian National Rupee).
- 18) **VALIDITY OF RATES:** The rates in the Tender shall be kept open for acceptance for a minimum period of 90 days from last due date of offer submission (including extension, if any). In case BHEL (Bharat Heavy Electricals Ltd) call for negotiations, such negotiations shall not amount to cancellation or withdrawal of the original offer which shall be binding on the tenderers.
- 19) **EVALUTION CRITERIA:** The criteria of evaluation of techno-commercial bids shall be on the basis of documents submitted by the bidders. Estimated rates have been disclosed in the tender documents and percentage rate tenders are invited. Accordingly, the basic amount as per basic rates has been calculated against each item.
- Bidders have to quote a single overall percentage, (+) above or (-) below or at par with the tender rates in ONLINE EXCEL Price Bid format. The same quoted percentage will be applied on every item of the BOQ. Evaluation of Price Bid will be done on overall L-1 rate in Reverse Auction inclusive of all including all taxes and duties.**





**20) REVERSE AUCTION:**

"BHEL shall be resorting to Reverse Auction (RA) (Guidelines as available on [www.bhel.com](http://www.bhel.com)) for this tender. RA shall be conducted among all the techno-commercially qualified bidders. Price bids of all techno-commercially qualified bidders shall be opened and same shall be considered as initial bids of bidders in RA. In case any bidder(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking."

**21) CORRECTION OF ARITHMETIC ERRORS:** Provided that the bid is substantially responsive, BHEL shall correct arithmetical errors on the following basis:

- (i) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the 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 shall be corrected.
- (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected.
- (iii) 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 (i) and (ii) above.
- (iv) If there is any discrepancy between total quoted amount and actual total amount after applying quoted percentage (above/ below/ at par), the actual total amount after applying quoted percentage shall be prevailing and corrected.
- (v) If any bidder does not accept the correction of errors, their bids are liable to be disqualified.

**22) WATER & ELECTRICITY:** Water and electricity shall be supplied to the contractor by BHEL subject to the following conditions: -

- a) Water & Electricity shall be provided free of cost.
- b) Contractor shall make his/ their own arrangement of water/ electricity connection and laying of pipelines of water/connection from existing main of source of supply as directed by Engineer in charge.
- c) BHEL do not guaranty to maintain uninterrupted supply of water/ electricity and it will be incumbent on the contractor to make alternative arrangement for proper supply of the same at his/ their own cost in the event of any break down in the government water/ electricity mains so that the progress of his/ their work is not held up for the want of the same. No claim of damage or refund will be entertained on account of such break down.

**23) STORES AND MATERIALS ON SITE: -**

- a) No space belonging to BHEL shall be occupied by the contractor without written permission of BHEL.
- b) All materials for the work are to be deposited by the contractor only in places to be indicated by the Engineer-in-Charge.
- c) The safety & security of the contractor's materials will be the responsibility of contractor himself.
- d) BHEL will not provide any compensation due to theft or loss of contractor's materials. The stores provided by the contractor will not be utilized as the accommodation for the workers or for any other purpose.
- e) Accommodation in any manner will not be provided to the workers of the contractor deployed in the execution of work.





**24) COMPLETION PERIOD:**

**Time as the essence of contract:** The time allowed for carrying out the Work as entered in the tender shall be strictly observed by the Contractor and shall be deemed to be of the essence of the Contract. The Work shall proceed with due diligence until Final Completion. The Contractor shall prepare a Construction Programme with time schedule keeping in view the completion period stipulated for specific portions of the Work and also the overall completion time and submit the same for the approval of the Project Manager. The Contractor shall comply with the time schedule as approved by the Project Manager. In the event of the Contractor failing to comply with the overall and individual milestones contained in the time schedules as applicable, he shall be liable to pay penalty as provided for in this Contract.

The Entire scope of work as detailed in tender document shall be completed within 06 months (180 days) from the date of start of work, inclusive of the rainy season and any intermittent rain spells, if any.

**The milestone - wise completion period shall be in accordance with the Milestone Schedule as specified in Annex - V.**

The contractor is required to ensure completion of each milestone mentioned under the contractual completion schedule within the period indicated against them. Delay in completion of the individual milestone that may take place beyond contractual schedule OR any extension thereof for the reasons attributable to the contractor shall be subject to imposition of penalty at the rate of 0.5 % of the total value of work covered under the milestone (as per awarded rates) for every week of delay or part thereof subject to maximum ceiling of 10% (for all milestones combined together) of the total contract value.

However, the penalty so recovered from RA Bills shall be released with the final bill on prorata basis for the makeup of delay in the overall completion schedule as per contract.

**25) L. D./ PENALTY FOR DELAY:**

- (i) Liquidated Damages, wherever referred under this Tender/Agreement, shall mean and refer to the damages, not in the nature of penalty, which the contractor agrees to pay in the event of delay in delivery of stores, installation, commissioning, breach of contract etc. as the case may be.
- (ii) Liquidated Damages leviable upon the contractor is a sum which is agreed by the parties as a reasonable and genuine pre-estimate of damages which will be suffered by BHEL on account of delay/breach on the part of the contractor.
- (iii) Liquidated Damages shall be calculated in the manner stipulated hereinafter:
- (iv) In case the work is not completed within the stipulated time period, BHEL at its discretion may grant provisional time extension to contractor for the sole purpose of completion of balance works keeping its right reserved under the contract and law.
- (v) Grant of any provisional time extension shall by no means be considered as waiver of BHEL rights under the contract or law.
- (vi) After the completion of work, duly certified by Engineer In charge, a comprehensive delay analysis shall be carried out to ascertain the attribution of delays in the provisional time extensions granted to contractor. The delay analysis shall record:
  - (a) Delays solely attributable to contractor
  - (b) Delays attributable to BHEL
  - (c) Delays on account of Force Majeure (as specified at Sl No. 26 of General Terms & Conditions of contract).
- (vii) The total period under the final time extension shall be equal to the period between the scheduled date of completion and the actual date of completion of contract. LD shall be imposed/ levied for

  
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the portion of time extensions solely attributable to contractor and recoverable from the dues payable to the contractor.

- (viii) For the periods, wherein the delay as per the comprehensive delay analysis carried out is solely attributable to contractor, BHEL shall have the right to impose Liquidated Damage at the rate of 0.5% of the contract value (excluding GST), per week of delay or part thereof subject to a maximum of 10% of the contract value (excluding GST).
- (ix) Contract Value (excluding GST) for this purpose, shall be the final executed value. Before levying LD, the contractor shall be duly intimated the amount and reasons thereof for imposition of LD.

## 26) FORCE MAJEURE:

- (a) Force Majeure" shall mean any event beyond the reasonable control of the parties including but not limited to fire, flood, earthquake or other acts of God, war, riots, civil war and restraints of Governing States, as the case may be, and which is unavoidable notwithstanding the reasonable care of the party affected. The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: (i) any strike, work-to-rule action, go-slow or similar labour difficulty (ii) late delivery of equipment or material (unless caused by Force Majeure event) and (iii) economic hardship.
- (b) 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.
- (c) 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.
- (d) Delay or non-performance by either party hereto caused by the occurrence of any event of Force Majeure shall not:
- Constitute a default or breach of the Contract.
  - Give rise to any claim for damages or additional cost or 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.

- 27) **QUANTITY VARIATION:** Depending on actual site conditions the individual BOQ item quantities given in the contract may change to any extent limited to  $\pm 30\%$  of the awarded contract value. The quoted rates for individual items shall remain firm irrespective of any variations in the individual quantities. In case the finally executed contract, value increases above the awarded Contract Value due to quantity variation, there will be no upward revision in the rates for the individual items and also contractor is not eligible for any compensation.

## 28) PAYMENT TERMS:

1. No advance payment or the payment for mobilization of work will be made to the Contractors. Running bills payment (If demanded by Contractors) excluding GST portion, against the work executed shall be made to the Contractor. GST amount shall be released only after confirmation from GST portal that such invoice has been declared in GSTR-1 return filed by contractor and is available in GSTR-2B of BHEL within the stipulated time for the relevant period and tax amount thereon has been paid by contractor to Govt. within the stipulated time period as per GST Law. However only one running bill will be accepted in a month. **The payment of 90 % of running bill will be made and 10 % will be withhold, which will be released along with full & final bill.**
2. The payment of final bill will be made only after obtaining certificate of satisfactory completion & satisfactory quality of the work as per tender by the Engineer-in-Charge, clearance of the site &





clearance of all the liabilities on Contractors' part. No claim will be entertained after signing the final bill.

3. No payment shall be made for the work done without the permission of Engineer-in-Charge.
4. Bills raised by the Contractors shall be certified by the official in-charge of BHEL and the payments will be made against running/ final bill excluding GST portion, within 90 days for Non MSME (whereas 60 days for Medium Enterprises and 45 days for Micro & Small Enterprises) by NEFT/ RTGS from the date of receipt of in-discrepant bill subject to conditions mentioned for Taxes & Duties. The Contractors shall not be entitled to any interest with respect to any money, which may be due to him from BHEL.
5. Payment shall be made for the actual executed quantity of work after recording joint measurement in Measurement Book (MB) by Engineer-in-Charge.
6. The measurement will be checked by BHEL Engineer and quantities and percentage eligible for payment under various BOQ Items shall be decided by BHEL Engineer. The abstract of quantities and percentage so arrived as based on the terms of payment shall be entered in Measurement Book and signed by both the parties.
7. Based on the above quantities, contractor shall prepare the bills, along with statutory documents, in prescribed format and work out the financial value. These will be entered in Measurement Book and signed by both the parties. Payment shall be made by BHEL after effecting the recoveries due from the contractor.
8. All recoveries due from the contractor for the month/period shall be effected in full from the corresponding running bills unless specific approval from the competent authorities is obtained to the contrary.
9. Measurement shall be restricted to that portion of work for which it is required to ascertain the financial liability of BHEL under this contract.
10. The measurement shall be taken jointly by persons authorized on the part of BHEL and by the Contractor.
11. The Contractor shall bear the expenditure involved if any, in making the measurements and testing of materials to be used/ used in the work. The contractor shall, without extra charges, provide all the assistance with appliances and other things necessary for measurement.
12. If at any time due to any reason whatsoever, it becomes necessary to re-measure the work done in full or in part, the expenses towards such re measurements shall be borne by the contractor unless such re measurements are warranted solely for reasons not attributable to contractor.
13. Measurement shall be recorded on Measurement Book and the Bill entries will be counter-signed by the contractor.
14. The contractor shall be liable for indemnifying the BHEL from any liability on account of his employees and/or meeting any Statutory Obligations required under labour Laws of the Central/State Government(s). BHEL will therefore not assume any responsibility thereto.
15. BHEL is not responsible for any injury/death caused to the employees provided by contractor at BHEL. It will be the responsibility of contractor to abide with the all the provisions of the Workmen Compensation Act, 1923 and no compensation, whatsoever shall be paid by BHEL in this regard.
16. The Contractor shall bear the expenditure involved if any, in making the measurements and testing of materials to be used/ used in the work. The contractor shall, without extra charges, provide all the assistance with appliances and other things necessary for measurement.

## **29) TAXES AND DUTIES:**

- a. To enable BHEL to avail GST input tax credit, contractor shall submit GST compliant Tax invoice containing all the particulars as stipulated under invoice Rules of GST Law. Payment shall be



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made to the contractor only after submission of GST complaint Tax invoice. The contractor shall raise GST compliant invoice affixing GSTIN of BHEL's unit availing the services.

- b. If BHEL, is liable to discharge tax liability under the Reverse Charge Mechanism, the contractor shall provide all necessary documents within 10 days from date of completion of service to enable BHEL to meet the GST liability. Any implications arising from a delay shall be the responsibility of the contractor and will be charged to the contractor's account.
- c. The contractor has to submit their GST registration certificate along with a declaration regarding applicability of GST Reverse Charge (if applicable) to respective BHEL Unit/region along with the bid.
- d. Any statutory changes as and when made applicable by the Government shall become applicable against documentary evidence. However, no increase in price on account of statutory increase in the rate of GST taking place during the period of delivery period extension with liquidated damages shall be admissible. Nevertheless, the Buyer shall be entitled to the benefit of any decrease in price on account of reduction in GST taking place during extended delivery period.
- e. Payment to the contractor will be subjected to TDS as per rules in force from time to time. The Tax Deduction at Source (TDS) shall be done as per the provisions of Income Tax Act and GST as applicable, as amended from time to time and a certificate to this effect shall be provided to the contractor by BHEL.
- f. Incase the Input Tax Credit of GST is denied or demand is recovered from BHEL on account of any act/ omission of the Contractor in this regard, the Contractor shall be liable in respect of all claims of tax, penalty and / or interest, loss, damages, costs, expenses and liability that may arise due to such non-compliance. BHEL shall have the right to recover such amount from any payments due to the Contractor or from Performance Security, or any other legal recourse from the said Contractor. If any tax is required to be paid by the Contractor in pursuance of any demand from tax authorities, on account of Contractor's suppression of facts, fraud or willful misstatement of facts while offering the products or submitting the bids, then the same shall not be passed on to BHEL through debit notes or Invoices or Supplementary invoices and the contractor shall be solely liable for payment of the same.
- g. To enable BHEL to avail GST Input tax credit, Contractor shall submit GST compliant tax invoice containing all the particulars as stipulated under Invoice Rules of GST Law. Payment shall be made to the Contractor only after submission of GST complaint Tax invoice. The Contractor shall raise GST compliant invoice affixing GSTIN of BHEL's unit availing the works.
- h. GSTIN of respective BHEL Unit will be provided to the Contractor along with the site clearance instructions/ order issued by respective Unit for SITC.
- i. Applicable GST shall also be recoverable from the Contractor in case of LD recovery/penalty on account of breach of terms of contract/ any penalty for the contract.
- j. GST amount shall be released only after confirmation from GST portal that such invoice has been declared in GSTR-1 return filed by contractor and is available in GSTR-2B of BHEL within the stipulated time for the relevant period and tax amount thereon has been paid by contractor to Govt. within the stipulated time period as per GST Law.

**30) BONUS CLAUSE, PVC & ORC are not applicable for the Subject Work NIT.**

The price quoted shall remain firm during the entire contract period including any extension of the original contract period and no price variation compensation shall be paid by BHEL for whatsoever reason. The contractor will not be entitled to any compensation/extra payment/ cost overrun compensation on this account.

**31) MAINTENANCE PERIOD / DEFECT LIABILITY PERIOD: - The contractor will be responsible for the quality of the work. Maintenance Period shall mean the period of one year which will be calculated from the date of actual completion of the works certified by the Engineer-in-charge in accordance with conditions of the contract. The period of maintenance shall always be reckoned**





from the date of completion of the whole of the works as accepted / taken over by Engineer-in-charge.

**32) Earnest Money Deposit (EMD):** EMD of amount Rs. 2.00 lacs is to be paid by tenderers for securing fulfilment of any obligations in terms of the NIT.

**Modes of deposit-** The EMD may be accepted only in the following forms:

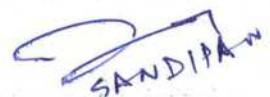
- (i) Cash deposit as permissible under the extant Income Tax Act (before tender opening)
- (ii) Electronic Fund Transfer credited in BHEL account (before tender opening)
- (iii) Banker's cheque/ Pay order/ Demand draft, in favour of BHEL (along with offer)
- (iv) Fixed Deposit Receipt (FDR) issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL).

**33) SECURITY DEPOSIT:**

- a) The total amount of Security Deposit will be **5 %** of the contract value. The security deposit should be collected before start of work by the contractor.
- b) Security deposit may be furnished in any one of the following forms:
  - i) Cash (as permissible under the Income Tax Act)
  - ii) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL
  - iii) Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
  - iv) Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act (FDR should be in the name of the Contractor, a/c BHEL)
  - v) Securities available from Indian Post offices such as National Saving Certificates, Kisan Vikas Patras etc. (held in the name of Contractor furnishing the security and duly endorsed/ hypothecated/ pledged, as applicable, in favour of BHEL)  
(Note: 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)
  - vi) At least 50% of the Security Deposit, should be collected before start of the work. Balance of the Security Deposit can be collected by deducting 10% of the gross amount progressively from each of the running bills of the Contractor till the total amount of the required Security Deposit is collected.
- c) The security deposit will be released only after completion of Maintenance period.
- d) The Security Deposit shall not carry any interest.
- e) Failure to pay the security deposit shall be treated as failure to discharge the duties under the contract and shall result in cancellation of the contract and the contractor shall be liable to

compensate BHEL for any losses incurred by BHEL. BHEL reserves the right to appropriate any part / whole of the amount of the security deposit without prejudice to other claims against the contractor for losses suffered by BHEL due to failures on the part of the contractor, due to termination of contract or contractor becoming disqualified because of liquidation / insolvency. The decision of BHEL in respect of such losses, damages, charges, expenses or costs, shall be final and binding to the contractor.

- f) Bidder agrees to submit performance security required for execution of the contract within 15 working days from the date of start of work order / contract. 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 till such time the first bill becomes due, the



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amount of performance security due shall be recovered as per terms defined in NIT/ contract, from the bills along with due interest.

- g) **Collection of Security Deposit:** At least 50% of the required Security Deposit, including the EMD (if applicable), should be collected before start of the work. Balance of the Security Deposit can be collected by deducting 10% of the gross amount progressively from each of the running bills of the Contractor till the total amount of the required Security Deposit is collected. If the value of work done at any time exceeds the contract value, the amount of Security Deposit shall be correspondingly enhanced and the additional Security Deposit shall be immediately deposited by the Contractor or recovered from payment/s due to the Contractor. The recoveries made from running bills (cash deduction towards balance SD amount) can be released against submission of equivalent Bank Guarantee in acceptable form, but only once, before completion of work, with the approval of the authority competent to award the work.
- h) Electronic Fund Transfer may be credited in the following BHEL account-

Bank name	KOTAK MAHINDRA BANK
Address of Bank	G-F 3A-3J, GROUND FLOOR, AMBA DEEP, 14 K.G. MARG, NEW DELHI
IFSC	KKBK0000172
CA No.	9011196535
MICR No.	110485002
BANK ACCOUNT NAME	BHARAT HEAVY ELECTRICALS LTD

34) **TERMINATION OF CONTRACT:** BHEL may terminate the contract earlier by giving not less than Fifteen Day's written notice of termination to the successful tenderer, if the successful tenderer does not remedy a failure in performance of their obligation under the contract or without assigning any reason, within thirty days after being notified and without prejudice to the rights of the Company to recover any amount becoming due under this Contract. In such a case, the Contractor shall not be entitled to any compensation thereof. The decision of BHEL about the failure on the part of the Contractor shall be final and binding on the Contractor.

35) **TERMINATION OF CONTRACT ON DEATH:** Without prejudice to any of the rights or remedies under this contract, if the contractor dies, the accepting officer shall have the option of terminating the contract without compensation to the contractor's survivors.

36) **RECOVERY FROM CONTRACTOR:** Whenever under the contract, any sum of money shall be recoverable from or payable by the contractor, the same may be deducted from any sum then due or which at any time thereafter may become due to the contractor under the contract or under any

other contract with BHEL or from his security deposit, or the contractor shall pay the claim on demand without any terms & conditions.

37) **POST TECHNICAL AUDIT OF WORK AND BILLS:** BHEL reserves the right to carry out a post payment audit and technical examination of the work and final bill including all supporting vouchers, abstracts etc. and to enforce recovery of any sums becoming due as a result thereof in the manner provided into the proceeding sub-paragraph provided however, that no such recovery shall be enforced after three years of passing the final bill.

38) **ARBITRATION / CONCILIATION:**





**CONCILIATION**

If at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which term shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the agreement, contract), which the Parties are unable to settle mutually, arise inter-se the Parties, the same may, be referred by either party to Conciliation to be conducted through Independent Experts Committee (IEC) to be appointed by competent authority of BHEL from the BHEL Panel of Conciliators under BHEL Conciliation Scheme.

**Note:**

- i) No serving or a retired employee of BHEL/Administrative Ministry of BHEL shall be included in the BHEL Panel of Conciliators.
- ii) Any other person(s) can be appointed as Conciliator(s) who is/are mutually agreeable to both the parties from outside the BHEL Panel of Conciliators.
- iii) 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 Forms & Procedure to this GCC. The Procedure together with its Formats will be treated as if the same is part and parcel hereof and shall be as effectual as if set out herein in this GCC.

The Contractor/ supplier hereby agrees that BHEL may make any amendments or modifications to the provisions stipulated in the Procedure to this terms and conditions from time to time and confirms that it shall be bound by such amended or modified provisions of the Procedure with effect from the date as intimated by BHEL to it.

The venue of conciliation shall be Delhi/ Delhi-NCR.

**ARBITRATION:**

Except as provided elsewhere in this Contract, in case amicable settlement is not reached between the Parties, in respect of any dispute or difference; arising out of the formation, breach, termination, validity of 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, then, either Party may, by a notice in terms of Section 21 of Arbitration & Conciliation Act in writing to the other Party commence arbitration. The notice shall as far as possible contain the particulars of all claims to be referred to arbitration.

The arbitration shall be conducted by Sole Arbitrator to be appointed mutually by the Competent Authority of BHEL (BHEL) & Supplier within the statutory period as applicable. As far as practicable, names of 2 or more persons shall be forwarded to the Supplier for seeking consent of the Supplier to one of the names proposed for appointment as arbitrator in the case. If the parties

fail to agree on the name of Sole Arbitrator, then appointment shall be made as per the provisions of section 11 of the Arbitration & Conciliation Act.

The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties. The language of Arbitration shall be English.

Subject as aforesaid, the provisions of Arbitration of Conciliation Act 1996 (India) or statutory modification/ Amendments or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause. The seat and venue of arbitration shall be Delhi/ New Delhi/ PO issuing agency city.



The cost of arbitration shall be borne equally by the parties' subject to the final apportionment of the cost of the arbitration as per the award/order of the arbitrator.

Subject to the arbitration in terms of Clause above, the Courts at Delhi-NCR shall have exclusive jurisdiction over any matter arising out of or in connection with this contract.

Notwithstanding the existence or any dispute or difference and/or reference for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract.

In Case of Contract with Public Sector Enterprise (PSE) or a Government Department & Institutes, the Following Shall be Applicable:

In the event of any dispute or difference relating to the interpretation and application of the provisions of the commercial contract between Central Public Sector Enterprises(CPSEs)/Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning railways, Income Tax, Customs and Excise Departments) such dispute or difference shall be taken up by either party for resolution through Administrative Mechanism for Resolution of CPSEs Disputes(AMRCD) as mentioned in Department of Public Enterprises(DPE) office Memorandum No. 4 (1)/2013-DPE(GM)/FTS-1835 dated 22.05.2018 as amended from time to time.

A copy of the extant Department of Public Enterprises (DPE) Office Memorandum is available on Govt. of India website and the same shall apply with any amendments as made from time to time.

**39) RIGHTS of BHEL: -**

1. BHEL reserves the following rights in respect of this contract during the original contract period or its extensions if any, as per the provisions of the contract, without entitling the contractor for any compensation.
2. To terminate the contract or get any part of the work done through other agency or deploy BHEL's own/hired/otherwise arranged resources, at the risk and cost of the contractor after due notice period of two weeks by BHEL in the event of:
  - (i) Contractor's continued poor progress.
  - (ii) Withdrawal from or abandonment of the work before completion of the work
  - (i) Contractor's inability to progress the work for completion as stipulated in the contract.
  - (ii) Poor quality work
  - (v) Insolvency of the Contractor
  - (vi) Persistent disregard to the instructions of BHEL
  - (vii) Assignment, transfer, sub-letting of contract without BHEL's written permission
  - (viii) Non fulfilment of any contractual obligations.

**40) BREACH OF CONTRACT, REMEDIES AND TERMINATION:**

Following cases shall be considered as terms of breach of contract: -

- i. Contractor's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to contractor including unexecuted portion of work does not appear to be executable within balance available period considering its performance of execution.





- ii. Withdrawal from or abandonment of the work by contractor before completion of the work as per contract.
- iii. Non-completion of Work by the Contractor within scheduled completion period as per Contract or as extended from time to time, for the reasons attributable to the contractor.
- iv. Termination of Contract on account of any other reason (s) attributable to Contractor. If at any time the Contractor defaults in proceeding with the work with due diligence and continues to do so or commit any default in complying any of the tender terms and conditions even after the notice in writing is given, BHEL may, without prejudice to any other right to remedy which shall have accrued or shall accrue thereafter to BHEL, to terminate the contract by giving 15 days' notice in writing. The notice will be deemed to have been served as and when sent to the address given in the tender.
- v. Assignment, transfer, subletting of Contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL. The Contractor is solely responsible to BHEL for the work awarded to him.
- vi. Non-compliance to any contractual condition or any other default attributable to Contractor.

### **RECOVERY IN CASE OF BREACH OF CONTRACT**

In case of breach of contract, 10% of the contract value shall be recovered from the contractor. The recovery shall be made from Security Deposit (if any)/ Retention Money (if any)/ available bills. In case 10% amount is not recovered from these instruments the balance amount shall be recovered from the bills available under any other contract with BHEL unit(s)/Division(s).

Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure etc., shall be applied as per provisions of contract.

In case of breach of contract, wherever the value of security instruments like Security Deposit / Performance Bank Guarantee available with BHEL against the said contract is at least 10% of the contract value, the same may be encashed. In case the value of the security instruments available is less than 10% of the contract value, the balance amount be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, etc. with BHEL) or legal remedies be pursued. The balance scope shall be got done independently without Risk & Cost of the failed supplier/ contractor. Further, levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract. Accordingly, the tender/ contract terms shall be structured in such a way to ensure recovery of an amount equivalent to 10% of the contract value in case of breach of contract.

### **F. Responsibilities of the contractor in respect of local laws, employment of works etc.**

The contractor shall fully indemnify BHEL against any claims of whatsoever nature arising due to the failure of the contractor in discharging any of his responsibilities. The following are the responsibilities of the contractor in respect of observance of local laws, employment of personnel, payment of taxes etc:

1. The contractor shall comply with all applicable Uttar Pradesh State Government Statutory Rules, Laws and Regulations etc. such as Payment of Wages Act, Minimum Wages Act, Workmen Compensation Act, Employer's Liability Act, Industrial Dispute Act, Employers Provident Act, Employees State Insurance Scheme, Contract Labour (Regulation and Abolition) Act 1970, Payment of Bonus & Gratuity Act and other Acts, Rules and Regulations for labour as may be enacted by the Government during the tenure of the Contract and having force or jurisdiction at Site.
2. The Contractor shall pay all taxes, fees, license charges, deposits, tolls, royalties or other charges which may be liable on account of his operations in executing the contract.
3. The Contractor shall ensure that no damage is caused to any person/property of other parties working at site. If any such damage is caused, it is responsibility of the contractor to make good the losses or compensate for the same.





4. All safety rules and codes applied by the BHEL at site shall be observed by the contractor without exception. The contractor shall be responsible for the safety of the equipment/material and works to be performed by him and shall maintain all light, fencing guards, slings etc. or other protection necessary for the purpose. Contractor shall also take such additional precautions as may be indicated from time to time by the Engineer with a view to prevent pilferage, accidents, fire hazards. Due precautions shall be taken against Fire Hazards and Atmospheric conditions. Suitable number of Clerical staff, watch and ward, store keepers to take care of equipment/materials and tools and tackles shall be posted at site by the contractor till the completion of work under this contract.
5. The contractor shall arrange for such safety devices as are necessary for such type of work and carry out requisite site tests of handling equipment, lifting tools, tackles etc. as per prescribed standards and practices.
6. Contractor has to ensure the implementation of Health, Safety and Environment (HSE) requirements as per directions given by BHEL. The contractor has to assist in HSE audit conducted by BHEL and submit compliance Report. The contractor has to generate and submit record/reports as per HSE plan/activities as per instruction of BHEL.
7. The contractor will be directly responsible for payment of wages to his workmen.
8. The Contractor shall establish a fully equipped First Aid Box on the Site to deal with accidental injuries. The Contractor shall provide such First Aid and Medical facility to at his own cost. The Contractor shall make necessary arrangements with a local hospital and with local doctors so that his sick or injured persons may receive prompt medical treatment with minimum delay at any hour of the day or night.
9. The Contractor shall take full responsibility for the adequacy, stability and safety of all Site operations and ensure that the methods of carrying out the Work by the Contractor including his workmen, employees, Sub-Contractors and Vendors meet all the necessary safety standards and requirements of the HSE Plan.
10. **Implementation of Safety Measures:** Notwithstanding anything herein before contained, the Contractor shall be liable to ensure and implement all safety measures, whether or not statutorily prescribed, to safeguard, preserve and protect the life, health and welfare of every workman employed/deployed/engaged directly or indirectly by the Contractor on the Site and in relation to or connected with the Work and all Vendors employed in later phases of the Project in addition to installing, providing every prescribed safety and protective equipment, clothing etc., and the mere absence of any reference to or specification of a particular statute or rule or regulation in this Contract shall not absolve the Contractor of an obligation to comply with every such law, rule or regulation. The obligations stipulated in the contract shall not in any manner be deemed to limit or restrict any obligation or duty that any law, rule or regulation may otherwise impose upon the Contractor. The Contractor shall be liable for all consequences/liabilities arising out of his violating any of the aforesaid provisions, including fines, penalties, compensations, damages, prosecutions, proceedings, medical expenditure and costs, rehabilitation costs and all other expenses connected therewith.

#### G. Insurance:

1. It is the sole responsibility of the contractor to insure his materials, equipments, workmen, etc. against accidents and injury while at work and to pay compensation, if any, to workmen as per Workmen's compensation Act. The work be carried out in protected area and all the rules and regulations of the BHEL in the area of project which are in force from time to time will have to be followed by the contractor.
2. If due to negligence and or non-observation of safety and other precautions by the contractors, any accident/injury occurs to the property/manpower belong to third party, the contractor shall have to pay necessary compensation and other expense, if so by the appropriate authorities.



**3. Compensation:** BHEL shall recover the amount of compensation paid to victim(s) by BHEL towards loss of life / permanent disability due to an accident which is attributable to the negligence of contractor, agency or firm or any of its employees as detailed below:

- (i) Victim: Any person who suffers permanent disablement or dies in an accident as defined below.
- (ii) Accident: Any death or permanent disability resulting solely and directly from any unintended and unforeseen injurious occurrence caused during the manufacturing/ operation and works incidental thereto at BHEL factories/ offices and precincts thereof, project execution, erection and commissioning, services, repairs and maintenance, trouble shooting, serving, overhaul, renovation and retrofitting, trial operation, performance guarantee testing undertaken by the company or during any works / during working at BHEL Units/ Offices/ townships and premises/ Project Sites.
- (iii) Compensation in respect of each of the victims:
- In the event of death or permanent disability resulting from Loss of both limbs: ₹10,00,000/- (Rupees Ten Lakhs).
  - In the event of other permanent disability: ₹7,00,000/- (Rupees Seven Lakhs).
- (iv) Permanent Disablement: A disablement that is classified as a permanent total disablement under the proviso to Section 2 (I) of the Employee's Compensation Act, 1923."

The contractor will take necessary precautions and due care to protect the material, while in his custody from any damage/loss due to theft or otherwise till the same is taken over by BHEL or customer. The contractor will submit necessary documents for lodging/processing of insurance claim. BHEL will recover the loss from the contractor, in case the damage /loss is due to carelessness / negligence on the part of the contractor. In case of any theft of material under contractor's custody, matter shall be reported to police by the contractor immediately and copy of FIR and subsequently police investigation report shall be submitted to BHEL for taking up with insurance. However, this will not relieve the contractor of his contractual obligation for the material in his custody.

#### **H. SPECIAL CONDITIONS RELATED TO THE WORK**

- 1) The subject work shall be carried out up to the satisfaction of Engineer-in-charge. The work will be carried out as per BOQ enclosed and as per latest CPWD Specifications and relevant IS codes for all the works. In case of any doubt regarding the specification and its quality of work, Engineer in Charge's clarification and decision will be final and binding on the contractor. If the quality of work is not up to the mark re-work will be done without any extra claim.
- 2) The Contractor shall not be entitled to any compensation for any loss suffered by him on account of delays in commencing or executing the work, whatever the cause of delays may be, including delays arising out of modification to the work entrusted to him and BHEL shall not be liable for any claim in respect thereof.
- 3) In the event of any work failure attributable to materials or workmanship during the maintenance period, the Contractor shall, upon written notice and verification, carry out necessary repairs at no extra cost to BHEL.
- 4) The contractor shall immediately remove from works any material and/or workmanship which in the opinion of Engineer-In-Charge are defective or unsuitable and shall replace with proper materials and workmanship at his own cost. If the contractor fails to proceed at once with the replacement of defective or unsuitable materials or workmanship, the Engineer-In-Charge may by contract or otherwise replace such materials and/or such workmanship and charges the cost thereof to the contractor.





- 5) The contractor shall stick to the approved brand/ make unless it is absolutely unavoidable. Any change shall be done with the prior approval of the Engineer-in-Charge for which tests etc. shall be done by the contractor at his own cost. Similarly, the contractor shall submit brand/ make of various materials not specified in the agreement, to be used for the approval of the Engineer-in-Charge along with samples and once approved, he shall stick to it.
- 6) If the Contractor finds any discrepancy in the NIT Terms & Conditions, Drawings or between the Drawings, Specifications and Bill of Quantities he shall immediately refer the same in writing to BHEL, who shall decide which shall be followed, and their decision shall be final and binding on all the parties.
- 7) The Contractors will supply, fix and maintain at his cost during the execution of any works, all the necessary centring, scaffolding, lifting machine, staging, strutting, shoring, pumping, fencing, hoarding, watching and lighting by night as well as by day required not only for the proper execution and protection of the public and safety of any adjacent roads, pavements, walls, buildings and all other erections, matters or things. The Contractor shall pull down and remove any or all such scaffolding, after completing his work as occasion shall require or when ordered to do so, and shall fully reinstate and make good all matters and things disturbed during the execution of the works, to the satisfaction of the BHEL Engineer-in-Charge.
- 8) The work will be done as per the convenience of existing infrastructure.
- 9) Any misconduct with the BHEL Officials & other staff will not be tolerated.
- 10) The contractor shall take full responsibility and compensate BHEL for any loss/damage/break-down caused to the installations due to negligence of his workers
- 11) After completion of the subject work the contractor will remove all unwanted material/ rubbish from the site with no extra claim.
- 12) All materials, Tools & Tackles like, hammer, chisels wall cutting machine, screw driver, player, tester, testing equipment ladder, etc. will be arranged and provided by contractor at his own cost. No material, tools or testing equipment or consumable materials like Cable, PVC conduit, MS box, switches, sockets, cement, sand, OBD/paint etc, for work to done shall be issued from BHEL. All materials will be approved by Engineer In-charge before use.
- 13) The contractor will have to complete all the work in a flat including recess cutting, piping, wiring, plastering and making good as same by painting within the assigned period including holidays by deploying sufficient man powers.
- 14) The Electrical work will be done in three stages, namely, removing existing wiring, recess cutting, piping, wiring, Installation of electrical board and panels & final connection of MCB in DB after cleaning of the site. Each stage will be verified by the Engineer in charge before start of next stage. The work progress report after completion of each flat shall be submitted by the Contractor
- 15) After the wiring work with copper cable in recessed PVC conduit and fixing of metal box/ MCB DB deep in recess, contractor will prepare the surface smooth by removing old wirings and filling all recessed/small holes with cement/POP/putty at no extra cost to BHEL.
- 16) Any damage of BHEL material like copper cable, Energy meters etc, or resident's own belonging due to the wrong connection/short circuiting/mishandling or negligence of contractor's worker, the recovery will be done from the contractor.
- 17) After completion of the work in the building the contractor will remove all unwanted material /debris /rubbish from the site and will dumped to approved municipal dumping ground or as approved by Engineer –in- Charge at no extra claim.
- 18) Regular meeting (fortnightly or as decided by BHEL) may be held between BHEL and contractor to review the issues related to progress, penalty, quality and any other aspect.
- 19) All repairs & patch work, if any, shall be neatly carried out to match with the original finish and to the entire satisfaction of the Engineer In-charge. Any damages to the building due to execution of work shall have to be made good immediately by the Vendor at his own cost.
- 20) The contractor shall have to deploy sufficient number of skilled, semi-skilled and unskilled manpower for quality and timely completion of the work.







- 21) No excuses like hindrance because of extreme weather conditions, non-availability of labour and material etc. will be entertained for not completing the work in time.
- 22) All necessary precautions with respect to safety at site and environmental aspects and their impacts shall have to be taken by the contractor for activities performed by his workers.
- 23) In case of any dispute, the decision taken by BHEL Management will be final and binding on the contractor.
- 24) No party shall be permitted to tender for work in BHEL in which any of their near relatives is an employee connected with the award and execution of the contract. They shall also intimate the names of persons who are working with them in any capacity or subsequently employed by them and who are near relatives of any employee of the BHEL. Any violation of this condition which comes to the Notice of the BHEL after the contract is awarded will entitle the BHEL to treat the contractors as having committed a breach of contract and to exercise all the rights and remedies available to the BHEL on account thereof.
- 25) Bidders are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their Tenders to ascertain the nature of work, site conditions, means of access to the site etc. Non-familiarity with the site conditions will not be considered a reason either for extra claims or for not carrying out the work in strict conformity with the specifications. For site visit and any clarification / information/Assistance, the intending Bidders may contact Sandipan Goswami, Sr. Engineer (HR - ADMIN/NBP), BHEL SADAN Building, Sector -16A, Noida on M: - +91 9717173544, or at e-mail: [sandipan@bhel.in](mailto:sandipan@bhel.in).
- 26) The bidder(s) shall be responsible for arranging and maintaining at his own cost all materials, tools & plants, access facilities for workers and all other services required for executing the subject work unless otherwise specifically provided for in the contract documents. Submission of a bid by a bidder(s) implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates.

#### **I. CONTRACTOR'S OBLIGATION:**

- 1) Contractor shall supervise the Work allotted to him to be carried out by his workforce. The contractor shall visit the site every day to ensure the work is carried out in fast pace for completion within schedule time.
- 2) Contractor to ensure that the workforce deployed in the premises of BHEL are physically and mentally fit and do not have any criminal record. Such employees should possess requisite skill, proficiency, qualification, experience etc.
- 3) The workforce deployed by the contractor shall be hail and healthy and should not be suffering from any communicable diseases.
- 4) BHEL will have no liability whatsoever concerning the persons deployed by the contractor for the purpose. The contractor shall keep the Company indemnified against all losses or damages or liability arising out of or imposed in the course of employment of persons by the contractor.
- 5) Statutory requirement of the local authority / State Govt. / Central Govt. shall be responsibility of the contractor.
- 6) The contractor will be solely responsible for any unlawful act of their workforce while on duty. In case of theft or loss of Company's property take place due to the negligence or carelessness of workforce, the contractor will be responsible and shall make good of the same.
- 7) The Contractor shall duly comply with all acts, laws, or other statutory rules, regulations, bye-laws applicable or which might be applicable to with regard to the performance of the contract included herein or concerning this Agreement but not limited to Environmental Pollutions Acts, Minimum Wages Act- 1948, Contract Labour (Regulation & Abolition) Act, 1970, Industrial Dispute Act, 1947, Workmen's Compensation Act 1923, Employees' State Insurance Act 1948 (to the extent as may be applicable, if any), Employees' Provident Fund and Misc. Provisions Act, 1952 and the amendments made thereafter to these Acts / Laws and from time to time take such steps as may be deemed necessary in this regard. The Contractor shall keep the Company Indemnified against all



penalties, claims and liabilities of every kind under or for any violation of such acts, laws or regulations etc. by him or his workers.

- 8) In case, while on duty and during the course of engagement in work premises of the Company under this Agreement, if any of the Contractor's workforce suffers with any injury / indisposition due to accident or other natural calamities, the Contractor shall ensure that immediate and adequate medical aid viz., first -aid and subsequent treatment facilities are provided to the person(s)

concerned free of cost without fail. In addition, the Contractor shall also be liable for meeting with statutory liabilities like ESI etc. in respect to his workers.

- 9) The Contractor shall be fully responsible for the timely payment of wages, Allowances, Bonus or any other benefits payable under the aforesaid Acts, Laws and regulations to the workforce engaged by him at the work premises of the Company. Contractor shall also be fully responsible for timely deposit of PF and ESI with the appropriate authority including submission of return of PF & ESI and issue of PF slip issued by the PF Authority. The Company shall not be responsible for these payments or any other liability on this account. The Contractor shall also indemnify and compensate the Company for any liability incurred by the Company, if any, including costs incurred thereon. In that event the nominated officer of the Company shall be entitled to recover the amount so paid, from the contractor, including forfeiture of the Security Deposit; and, if the sum so payable and / the Security Deposit is less than the Company's claim, it shall be lawful for the Company to recover the balance amount as a debt from the Contractor.
- 10) The Contractor shall indemnify and compensate the Company, if the Company as Principal Employer under the Contract Labour (Regulation and Abolition) Act, 1970 becomes liable to assume any liability towards the workforce engaged by the contractor. In that event, the provisions relating to recover as provided in relevant clauses of the said Act shall be applicable in Toto.
- 11) The Contractor shall be held responsible for any damage / loss to the work premises /or the properties of the Company (i.e. missing or broken fittings, equipments, furniture etc. and loss of such things) caused due to the negligence of his work force and shall have to replace the same at his own cost. The decision of the Engineer-in-charge shall be final and binding on the Contractor.
- 12) The contractor shall hand over a copy of all legal and statutory documents and records to BHEL for fulfilling any future requirement with the statutory authority.
- 13) The contractor shall abide by all the rules / regulations / status imposed by the Govt. or other concerned authorities. The contractor will be responsible for workmen's compensation & other requirements of local Municipalities / Govt. or any other law regulating bodies
- 14) Contractor to maintain appropriate records of his employees deployed to carry out the job (s).
- 15) Contractor to get all his employees insured against all type of risks at his own cost.
- 16) Contractor to ensure that all precautions are taken for safety of his employees and equipments.
- 17) In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his employees from the site of BHEL. In case contractor decides to terminate services of his employees, he should settle all terminal dues including retrenchment compensation.
- 18) The contractor must comply to all statutory labour law regulations applicable to this contract like minimum wages act, timely payment of wages etc. including taking of insurance cover etc. for workers employed for this contract. Any obligation on account of the above will be the liability of the successful tenderer.
- 19) In case of any objection from any statutory / local authority, the contractor has to liaison with them for smooth progress of work.
- 20) The Contractor shall ensure proper conduct and behavior of the workforce engaged by him on the site and shall remove with immediate effect, the engagement of such person(s) who does/do not conduct himself / themselves properly or misbehave(s) with the residents of township or the staff of Estate office.
- 21) **CARE OF BUILDINGS:** Care shall be taken by the contractor to avoid damage to the existing buildings during execution of work. He shall be responsible for repairing all the damages and restoring the same to their original finish at his cost.





- 22) **QUALITY OF MATERIALS:** All materials supplied by the contractor shall be new and of the design, size, and specifications stated in the Bill of Quantities (BOQ). They shall be suitable for their intended function and meet the required standards of performance.
- 23) **INSPECTION OF MATERIALS:** All the materials delivered by the contractor at site shall be inspected and verified by Engineer-in-charge before use.
- 24) **WORKMANSHIP:** Good workmanship is an essential requirement to be complied with. The entire work shall conform to sound engineering practice. In case of bad workmanship re-work will be done by the contractor on no extra claim.
- 25) **SUPERVISION OF WORK:** The contractor will deploy sufficient numbers of Supervisors/Engineers of appropriate qualification and experience to ensure proper execution of work. They will carry out instructions of Engineer-in-charge and other senior officers of BHEL during the progress of work.



06.08.2025

For &amp; on behalf of "BHEL"

(Sandipan Goswami)  
Sr. Engineer (HR-ADMIN/NBP)

संदीपन गोस्वामी / SANDIPAN GOSWAMI  
ज्य. अभियंता / Sr. Engineer  
एन.बी.ए. / NBP / HR-ADMIN / CAG  
भारत हेवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy Electricals Ltd.  
बी.एच.ई.एल. बिल्डिंग, फ्लॉर नं. 25, सेक्टर-14A, नोडा-201304 (उ.प्र.)  
BHEL Sadan, Plot No. 25, Sector-14A, NOIDA-201304 (U.P.)



# ANNEXURE: I

## UN- PRICE BID

**Work: Misc. Civil & Electrical Works for renovation and upgradation of 22 rooms of HRDI Building at BHEL SADAN Campus, Noida.**

Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
<b>Civil Items</b>					
1	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	1185.00	45.05	53384.25
2	12 mm cement plaster: 1:6 (1 cement: 6 fine sand)	Sqm	38.00	282.00	10716
3	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	Sqm	100.00	253.05	25305
4	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	Cum	0.50	2007.1	1003.55
5	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	Cum	220.00	219.35	48257
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources).	Cum	1.00	10719.3	10719.3
7	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500D or more.	Kg	1000.00	89.65	89650
8	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	Sqm	1578.00	60.5	95469



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
9	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq.meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge. With cement mortar 1:4 (1 cement : 4 fine sand)	Sqm	88.00	462.3	40682.4
10	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead : Of area 3 sq. metres and below	Each	78.00	302.7	23610.6
11	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	3832.00	137.85	528241.2
12	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete	Sqm	2841.00	214.3	608826.3
13	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	Sqm	2841.00	64.45	183102.45
14	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	Sqm	2841.00	16.35	46450.35
15	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) decorative type, core of block board construction with frame of 1st class hard wood and well matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters. 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	Sqm	79.00	3086.1	243801.9
16	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of flush door shutters (over all area of door shutter to be measured).	Sqm	101.00	401.4	40541.4
17	Providing and fixing wooden moulded beading to door and window frames with iron screws, plugs and priming coat on unexposed surface etc. complete : 2nd class teak wood 50x12 mm	meter	253.00	191.55	48462.15
18	Providing and fixing chromium plated brass handles with necessary screws etc. complete: 125 mm	each	100.00	226.5	22650



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
19	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete : 250x10 mm	each	48.00	104.4	5011.2
20	Providing and fixing chromium plated brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles of approved quality with necessary screws etc. complete.	each	21.00	817.5	17167.5
21	French spirit polishing : Two or more coats on new works including a coat of wood filler	Sqm	959.00	368.3	353199.7
22	Melamine polishing on wood work (one or more coat).	Sqm	959.00	118.35	113497.65
23	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete.	each	22.00	109.6	2411.2
24	Providing and fixing 19mm thick both side balancing lamination factory pressed BWP grade marine ply as per IS 710 of approved brand boxes,shelves,racks,almirah,cupboard and drawer etc. including necessary nails,screws etc. complete as per direction of Engineer-in-charge.	Sqm	76.00	2339.6	177809.6
25	Providing and fixing stainless steel fancy handle of approved make fixed with SS screws etc. complete as per direction of Engineer-in-charge. 200 mm	each	44.00	153.15	6738.6
26	Providing and fixing special quality bright finished brass cupboard or ward robe locks with four levers of approved quality including necessary screws etc. complete. 40 mm	each	22.00	264.9	5827.8
27	Providing and fixing stainless steel soft closing heavy type telescopic drawer channels of approved make 500 mm long with screws etc. complete as per directions of Engineer- in-charge.	One Set	22.00	749.7	16493.4
28	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete. Triple strip vertical type	each	66.00	44.85	2960.1
29	Providing and fixing 2nd class teak wood lipping/ moulded beading or taj beading of size 18X5 mm fixed with wooden adhesive of approved quality and screws/nails on the edges of the Pre-laminated particle board as per direction of Engineer-in-charge.	meter	161.00	85.6	13781.6





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
30	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	Sqm	76.00	1982.7	150685.2
31	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete : 100x10 mm	each	22.00	58.65	1290.3
32	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Second class teak wood	Cum	2.55	131576.95	335521.2225
33	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos emulsifiable concentrate of 20%	Lit	20.00	200.9	4018





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
34	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300mm including excavation channel along the wall & rodding etc. complete: Treatment at points of contact of wood work by chemical emulsion Chlorpyrifos (in oil or kerosene based solution) @ 0.5 litres per hole by drilling 6 mm dia holes at downward angle of 45 degree at 150 mm centre to centre and sealing the same.	meter	50.00	257.55	12877.5
35	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	Sqm	958.00	1063.45	1018785.1
36	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., complete.	Sqm	913.00	935.6	854202.8
37	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material within 50 meters lead as directed by Engineer-in-charge.	Sqm	1393.00	46.5	64774.5





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
38	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc. 15 mm nominal dia Pipes	meter	570.00	441.15	251455.5
39	32 mm nominal dia Pipes	meter	43.00	712.75	30648.25
40	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. 25 mm nominal dia Pipes	meter	92.00	408.55	37586.6
41	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : (a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. (b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours.  The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	Sqm	570.00	516.6	294462





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
42	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :100 mm inlet and 75 mm outlet Sand cast iron S&S as per IS - 3989	each	76.00	1671	126996
43	Providing and fixing soil, waste and vent pipes :75 mm diameter : Hubless centrifugally cast (spun) ironpipes epoxy coated inside & outside IS:15905	meter	81.00	867.55	70271.55
44	Providing and fixing soil, waste and vent pipes: 100 mm dia Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905. including Pipe saddle for over hanging arrangement of pipess etc all complete.	meter	714.00	1061.25	757732.5
45	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 15mm nominal bore	each	126.00	500.35	63044.1
46	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931. 15 mm nominal bore	each	44.00	594.75	26169
47	Providing and fixing uplasticised PVC connection pipe with brass unions :45 cm length 15 mm nominal bore	each	96.00	85.2	8179.2
48	Providing and fixing C.P. brass shower rose with 15 or 20 mm inlet : 100 mm diameter	each	22.00	166.35	3659.7
49	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	each	22.00	3459.05	76099.1
50	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	each	30.00	886.25	26587.5
51	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	26.00	1411.15	36689.9





SL No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
52	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	each	22.00	942.15	20727.3
53	Providing and fixing toilet paper holder : C.P. brass	each	26.00	680.8	17700.8
54	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	each	26.00	299.35	7783.1
55	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	each	26.00	708.4	18418.4
56	Providing and fixing CP towel rail complete in all respect	Nos	22.00	4271.6	93975.2
57	Providing and fixing CP towel ring	Nos	22.00	1535.3334	33777.3348
58	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in- Charge.	each	26.00	110.7	2878.2
59	Dismantling 15 to 40 mm dia G.I. pipe including stacking of dismantled pipes (within 50 metres lead) as per direction of Engineerin- Charge. (a) Internal Work-Exposed on wall	meter	290.00	2.85	826.5
60	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete.	each	26.00	808.15	21011.9
61	Centering and shuttering including strutting, propping etc. and removal of form for Shelves (Cast in situ)	Sqm	19.00	766.55	14564.45
62	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	Sqm	14.00	1018.05	14252.7





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
63	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing of edges to give high gloss finish etc. complete at all levels. Granite stone slab of colour black, Cherry/Ruby red. Area of slab over 0.50 sqm	Sqm	10.00	4425.35	44253.5
64	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	meter	41.50	475.55	19735.325
65	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	each	26.00	5540.55	144054.3
66	Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all . complete. With 2nd class teak wood beading 62X19 mm	Sqm	21.00	1404.25	29489.25
67	Cutting holes up to 15x15 cm in R.C.C. floors and roofs for passing drain pipe etc. and repairing the hole after insertion of drain pipe etc. with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including finishing complete so as to make it leak proof.	each	52.00	377.1	19609.2
68	Wall Mixer with Provision for Over Head Shower and 115mm Long Bend Pipe (Chrome) Make - Hindware / Johnson/ Parryware/ Jaguar	each	22.00	6584	144848





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
69	Core cutting in RR masonry upto 75mm dia & 400mm (deep) cores will be extracted. Compressive will be conducted after necessary trimming, capping, etc as per IS-516. Profometer scanning will be carried out to identify peripheral bars & avoid the curing the same.	Nos	50.00	912.2816	45614.08
70	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe. 100 mm dia SS 304 grade coupling with EPDM rubber gasket	Each	955.00	406.3	388016.5
71	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe 75 mm dia SS 304 grade coupling with EPDM rubber gasket	Each	46.00	365.1	16794.6
72	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as	Sqm	910.00	1145.95	1042814.5



	per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with : 12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) :2011 (Board with BIS certification marks)				
73	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :n water pipe with fittings and clamps including stacking the material within 50 metres lead : 100 mm dia pipe	meter	306.00	64.3	19675.8
74	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : 100 mm diameter	meter	661.00	73.35	48484.35
75	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :200 mm diameter	meter	60.00	86.3	5178
76	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps : 150 mm dia	meter	42.00	81.1	3406.2
77	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps :250 mm diameter	meter	120.00	91.45	10974
78	Providing and laying Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside: 150 mm dia pipe <b>including Pipe saddle for over hanging arrangement of pipess etc all complete.</b>	meter	123.00	1856	228288
79	Providing and laying Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside :200 mm dia pipe, <b>including Pipe saddle for over hanging arrangement of pipess etc all complete.</b>	meter	120.00	4040	484800

  
SANDIPAN



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
80	Providing and laying Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside :100 mm dia pipe including Pipe saddle for over hanging arrangement of pipess etc all complete.	meter	306.00	1232	376992
81	Providing and fixing M.S. holder-bat clamps of approved design to Sand Cast iron/cast iron (spun) pipe embedded in and including cement concrete blocks 10x10x10 cm of 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), including cost of cutting holes and making good the walls etc. :For 100 mm dia pipe	each	176.00	308.45	54287.2
82	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.100 mm dia. Sand cast iron S&S as per IS - 1729	each	72.00	530.7	38210.4
83	Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes and fittings of diameter : 100 mm	each	85.00	549.65	46720.25
84	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm nominal dia Pipes	meter	42.00	370.65	15567.3



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
85	Providing and fixing double scaffolding system (cup lock type) on the exterior side of building/structure, upto 25 metre height, above ground level, including additional rows of scaffolding in stepped manner as per requirement of site, made with 40mm dia M.S. tube, placed 1.5 metre centre to centre, horizontal & vertical tubes joint with cup & lock system with M.S. Tubes, M.S. tube challis, M.S. clamps and staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for execution of work of cleaning and/ or pointing and/ or applying chemical and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connecting with the building etc, wherever required, if feasible, for inspection of work at required locations with essential safety features for the workmen etc., complete as per directions and approval of Engineer-in-charge. Note:- (1) The elevational area of the scaffolding shall be measured for payment purpose. (2) The payment will be made once only for execution of all items for such works.	Sqm	252.00	285	71820
86	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge.	each	2.00	89.45	178.9
87	Providing lead caulked joints to spun iron or C.I. pipes and specials, including testing of joints but excluding the cost of pig lead :200 mm diameter pipe.	each	4.00	818.35	3273.4
88	Providing and laying S&S C.I. standard specials such as tees, bends, collars, tapers, caps etc. (Heavy class): Up to 300 mm dia	Quintal	1.00	5649.65	5649.65
89	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe. 150 mm dia SS 304 grade coupling with EPDM rubber gasket	each	124.00	640	79360
90	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe. 200 mm dia SS 304 grade coupling with EPDM rubber gasket	each	121.00	1276	154396



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
91	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	24.00	744.6	17870.4
92	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing: 1:3:6 (1 cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum	6.00	8843.45	53060.7
93	Providing and fixing soil, waste and vent pipes :75 mm diameter : Sand cast iron S&S pipe as per IS: 1729	meter	14.00	931.55	13041.7
94	Providing and fixing soil, waste and vent pipes : 100 mm dia Sand cast iron S&S pipe as per IS: 1729	meter	10.00	1018.05	10180.5
95	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Wash basin size 550x400 mm with a pair of 15 mm C.P. brass pillar taps	each	4.00	2040.85	8163.4
96	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 35 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	Sqm	11.00	2015.75	22173.25





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
97	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	Sqm	3.50	219.75	769.125
98	Providing and fixing 75 mm high, 50 mm deep and 18 mm thick stone slab table rubbed, edges rounded and polished, fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in-charge and finished smooth. Granite Stone of approved shade	Sqm	1.00	3542.85	3542.85
99	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	each	4.00	7004.45	28017.8
100	24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm ( $\pm 0.2$ mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/ plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm ( $\pm 0.2$ mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm ( $\pm 0.1$ mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge. (For W.C. and bathroom door shutter).	Sqm	9.50	1790.65	17011.175



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
101	Providing and fixing aluminium die cast body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 35 kg and door width upto 700 mm), with necessary accessories and screws etc. complete.	each	6.00	1025.65	6153.9
102	Providing and Fixing CP brass soap holder	each	4.00	200	800
103	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	Sqm	139.00	417.6	58046.4
104	Grid Ceiling:-Providing & Fixing of metal works lay-in system of white/ silver grey 9006. The grid to be superfine xl 15mm (micro look 8) (Superfine exposed Tee grid system. The tiles are to be of aluminium (standard weight for 600 x 600 is 2.08 Kg/ sqm) with 1.8 mm dia holes (20% open area diagonal pitch) with black acoustic fleece with minimum 0.7 NRC. All as per approved typical shop drawings with a 10 year limited manufacturer's warranty.Tile Size : 600 X 600mm	Sqm	395.00	1640	647800
105	Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture.	Sqm	101.00	79.6	8039.6
106	Removing all loose concrete up to cover of reinforcement for exposing damaged / corroded steel reinforcement by mechanical way with power or manual chiseling. The surface to be made dust free by wire brushing and washing thoroughly with water. This rate is including material, labour, tools and tackles all complete.	Sqm	100.00	219.16	21916.3642
107	Cleaning of steel reinforcement by removing the rust from the steel bar by wire brushing, sand paper etc. and applying cement slurry over surface with addition of corrosion inhabitant of approve make like Fosroc/ Sika or equivalent. The rate to include materials, tools, tackles, labour all complete.	Sqm	100.00	170.057352	17005.7352
108	Fixing of new reinforcement (main bar / shear reinforcement) of same diameter with existing steel by proper overlap and welding (Necessary lapping of good steel area not less than 15d) for all steel having corroded more than 25% of its original dia.The rate to include cutting, bending and placing.	No	150.00	204.42	30663.5154





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
109	Applying single coat of Bonding agent slurry prepared by mixing Bonding agent: Water: Cement in the ratio 1:2:3 (v/v) on the saturated bare concrete surface by a brush. The rate to include material, labour, tools and tackles all complete. (bonding agent shall be of reputed make like SIKA/ Fosroc)	Sqm	100.00	346.90	34690.0766
110	Supplying, mixing and placing of high strength Shotcrete over ceiling/ beams/ columns- structure. Of minimum M30 grade strength of shotcrete material after 28 days. The Rate to include Materials, Manpower, Tools etc. all complete including required shuttering and staging. Minimum thickness of shotcrete shall be 50 to 75 mm	Sqm	100.00	2656.33	265633.1512
111	Supply and placing in position mild steel wire fabric (Chicken Wire Mesh) of square mesh 25 mm size and wire diameter of 2 mm in slabs, beams, columns, etc. for encasing in concrete including cutting, bending, fixing etc. complete.	Sqm	100.00	197.96	19796.388
112	Roller Blinds with 5% openness factor:- Supply & Installation of manually operated roller Blinds. HARDWARE; TOP TUBE : Made of extruded aluminium with 38 mm Dia. and wall thickness of 1.2 mm with spline adoptable to accommodate. CLUTCH MECHANISM : Moulded plastic having self lubrication with Glass fibre reinforcement, having a minimum lifting capacity of 8 lbs weight capacity - 8 lbs Head adoptability - 38 mm OPERATING CHAIN : PLASTIC / STEEL ball chain adoptable to the clutch pitch for smooth operation of blinds. LOCKING MEMBER : Plastic/ steel stop locks for limit setting adoptable to the steel chain. Bonding ( Fabric > Tube ) : 30/36 mm wide double sided adhesive tape of 3M for strong holding capacity. SPRING BOOSTERS: provided as per the requirement Bottom Bar : aluminium extruded circular section with powder coated finish, having a Min. weight to be 365 gms / Rmt for a perfect fall of fabric to avoid warpage / floating. Ends are covered with end caps to give a perfect finish.FABRIC: - Screen fabric Roller Blinds WINFAB MAKE Composition: 30% polyester and 70% PVC.Openness factor - 5%, Weight 380 gms / sq mtr +/- 5%, thickness 0.53 mm +/-5%, Fire classification : NFPA NO.701-2004 TM#1,california administrative code Title	Sqm	288.46	840	242309.76



	19 BS 5867 part 2 Type B. Width(mm) :183/250/300 Mesh/ IN : 52 * 48 Breaking strength: WARP> = 1300 WEFT> = 1200 Tear strength: WARP> =20 WEFT> = 20. color fastness : ISO 105 B02 grade B. Anti ultraviolet : 95%				
	<b>Electrical Items</b>				
113	Group C Wiring for light point/ fan point/ exhaust fan point/ call bell point with holder/ Celing rose/ etc. 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Each	268	1467.00	393156
114	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	22	369.00	8118
115	Wiring for twin control light point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface /recessed medium class PVC conduit, 2 way modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable etc. as required.	Each	52	1562.00	81224
116	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/ submain wiring alongwith earth wire with 2X10 sq.mm + 1X 6 sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit and making good the same as required.	Metre	640	570.00	364800
117	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/ submain wiring alongwith earth wire with 2X4 sq.mm + 1X4sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit and making good the same as required.	Metre	1750	334.00	584500
118	Circuit/Sub-main wiring in PVC conduit: Wiring for circuit/ submain wiring alongwith earth wire with 2X2.5 sq. mm+ 1X2.5sq. mm earth wire of FRLS PVC insulated copper conductor, single core cable in surface/ recessed PVC conduit and making good the same as required.	Metre	1430	275.00	393250
119	Supplying and fixing suitable size GI box with modular plate and over in front on surface or in recess, including providing and fixing 6 pin 5/6 A & 15/16 A modular socket outlet and 15/16 A modular switch, connections etc. as required.	Each	154	586.00	90244



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
120	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 A modular socket outlet and 5/6 A modular switch, connections etc. as required.	Each	88	477.00	41976
121	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required. Make: Anchor/ Crabtree.	Each	145	40.00	5800
122	Supplying and fixing 3 Module (100mmX75mm) , GI box alongwith modular base & cover plate for modular switches in recess etc. suitable for key tag switch as required.	Each	100	327.00	32700
123	Supplying and fixing 6 Module (200mmX75mm), GI box alongwith modular base & cover plate for modular switches in recess etc. as required.	Each	55	402.00	22110
124	Supplying and fixing 5/6 A switch modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required	Each	55	103.00	5665
125	Supplying and fixing pin 5/6 A socket outlet modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required	Each	55	122.00	6710
126	Supplying and fixing Telephone socket outlet modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required	Each	31	148.00	4588
127	Supplying and fixing TV antenna socket outlet modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required	Each	34	148.00	5032
128	Supplying and fixing of 25 mm of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required	Metre	640	145.00	92800
129	Supplying and drawing following pair 0.5 mm dia FRLS PVC insulated annealed copper conductor, unarmored telephone cable in the existing surface/ recessed steel/ PVC conduit as required.	Metre	1150	38.00	43700



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
130	Supplying and drawing 2 x 1.5 sq. mm sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface/ recessed steel/ PVC conduit as required	Metre	1180	70.00	82600
131	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube/lamp etc. directly on ceiling/ wall, including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	500	206.00	103000
132	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, including providing and fixing phenolic laminated sheet cover on the fan box etc. as required.	Each	22	339.00	7458
133	Supplying and drawing co-axial TV cable RG-6 grade, 0.7 mm solid copper conductor PE insulated, shielded with fine tinned copper braid and protected with PVC sheath in the existing surface/ recessed steel/ PVC conduit as required. Metre 3	Mtr	90	47.00	4230
134	Supply, Erection and testing of 400 mm sweep AC 230/250 volts, 50 HZ wall mounting revolving fan with brackets including connection with 3x1.5 sqmm flexible copper connecting wire of required length and screw etc. as required.	Each	25	3481.00	87025
135	Supply and fixing Key Tag Switch on the existing modular plate & switch box excluding modular plate as required.	Each	22	590.00	12980
136	single pole 30A, 240V 50Hz power contactor	Each	22	708.00	15576
137	Supplying fixing and testing of Storage type Geyser Storage of Capacity: 10 Litres; Wattage: 2000 Watts; Pressure: 8 Bars ; BEE Rating: 4 Star; Waterproof Degree : IPX-4 Protection for longer product life Adjustable knob for temperature settings between 25 degree C to 75 degree C, Made of ultra thick superior steel, Provides superior corrosion resistance & anti-rust property resulting in longer life,	Each	14	5310.00	74340





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
138	Supply,Erection and testing of 1200 mm sweep AC 230/250 volts, 50 HZ BLDC Ceiling Fan with Down rod up extension up to 4feet to including connection with 3x1.5 sqmm flexible copper connecting wire of required length and screw etc. as	Each	22	3422.00	75284
139	Supplying and fixing of 12 way (4 + 36), Double door ways surface/ recess mounting, vertical type, 415 V, TPN MCCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer ) as required . (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.)	Each	8	12833.00	102664
140	Providing and fixing 200 A, 16 KA,TPMCCB rating and breaking capacity and pole MCCB with thermomagnetic release and terminal spreaders in existing cubicle panel board including drilling holes in cubicle panel, making connections, etc. as required	Each	16	7691.00	123056
141	Supplying and fixing 8 way, Double door, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	Each	40	2573.00	102920
142	Supplying and fixing 40 A rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB),having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as	Each	40	2642.00	105680
143	Supplying and fixing 5 A to 32 A rating, 240/415 V, 10 kA, "C" curve, miniature circuit breaker suitable for inductive load of Single pole in the existing MCB DB complete with connections, testing and commissioning etc. as required.	Each	400	256.00	102400



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
144	Supply and fixing of 100 mm wide x 38 mm deep raceway (1 compartment) size of under floor GI raceways for distributing cabling in screed floor installations. Raceway should be made up of Pre galvanized sheet with minimum thickness of 1.5 mm consist of body and cover. It should have average of 275GSM zinc coating. Raceway should be supplied with required accessories such as fixing brackets and coupling plates as required. Raceway should be confirmed with the standard EN 50085-2-2 including all accessories complete as required.	Meter	195	1475.00	287625
145	Supply and fixing of 150 x 150 x x 60 mm size of Height adjustable under floor /crossover Junction box with flyover for Raceways for direct access to cables at the intersection of Raceways supplied completely with base and cover plate(lid). Junction box should be made of Pre galvanized sheet consist of body and cover. Height of the junction box should be adjustable from minimum 60mm. Junction box should be supplied with the metal cover for protecting the junction box during constructions at site. It should be confirmed with the standard EN 50085-2-2s including all accessories complete as required:	Each	26	2360.00	61360
146	Supply and fixing of 250 x 250 x x 60 mm size of Height adjustable under floor /crossover Junction box with flyover for Raceways for direct access to cables at the intersection of Raceways supplied completely with base and cover plate(lid). Junction box should be made of Pre galvanized sheet consist of body and cover. Height of the junction box should be adjustable from minimum 60mm. Junction box should be supplied with the metal cover for protecting the junction box during constructions at site. It should be confirmed with the standard EN 50085-2-2s including all accessories complete as required:	Each	20	3776.00	75520





Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
147	Providing, fixing, connecting & testing of 50 pair krone box (Telephone Tag Block) in a thermoplastic, IP 65 (weather proof) enclosure, internally embedded gasket, anti corrosive, insulated and shock proof with provision for cable through IP 65 glands complete in all respects.	Each	4	2950.00	11800
148	Providing, laying, connecting, testing & commissioning of 50 pair -core telephone Armoured cables of conductor size 0.5 mm. PVC insulated & PVC sheathed with G.I strip armouring, generally confg. to ITD specifications S/WS-113C & S/WS-114. Armouring & Outer sheath conforming to IS:554 (part-1) to be laid in existing conduit/pipe/cable tray as required complete in all respects.	Metre	200	501.50	100300
149	Maintenance Free Chemical Gel Earthing of Dual Pipe Technology (GI) - with 3 mtr long 80 mm dia Outer pipe (MS), galvanization of 100 microns and 50 mm dia Inner pipe (MS), galvanization of 300 microns, and space between the two pipes filled with special conducting compound, permanently sealed at both ends with lead terminal of 32 x 10mm at the top along with 50 Kgs of chemical compound (Moisture Booster) to retain the moisture, duly tested & certified by CPRI Laboratory. For DG -4Nos., CSS-4Nos., LT Panel- 4 Nos., MV Panel Body-2Nos., HVAC Panels- 4Nos.	Set	6	19470.00	116820
150	Providing and fixing 25 mm X 5 mm G.I. strip on surface or in recess for connections etc. as required. Metre 206	Mtr	300	244.00	73200
151	Supply of 70 sqmm, Single core, unarmoured, PVC Insulated and FRLS PVC Round Sheathed copper flexible cable	Mtr	16	938.10	15009.6
152	Supply of following size of 1.1KV grade 3½ Core x 70 sq mm aluminium conductor XLPE insulated and PVC sheathed armoured cable as per IS : 7098:1988 with upto date amendments.	Mtrs.	500	552.50	276250



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
153	Supplying and laying of 90 mm dia (OD-90 mm & ID-76 mm nominal) size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc. in the existing trench, complete as required.	Metre	200	170.00	34000
154	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of Above 35 sq. mm and up to 95 sq. mm size direct in ground including excavation, sand cushioning, protective covering and refilling the trench etc as required.	Mtr	400	405.00	162000
155	Supplying and making end termination with brass compression gland and aluminium lugs for 3.5x 70 sqmm size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.	Nos	8	1645.00	13160
156	Recess linear LED 2 feet RC780LED 12S, Make Philips	Each	80	2301.00	184080
157	Suspended linear LED 4 feet RC780LED 22S	Each	40	2832.00	113280
158	Philips recess circular downlighter 18w with 2000lm Dia-150mm Life Rated : 50000hrs Make Philips	Each	200	767.00	153400
159	2X2 LED PANEL RC380B LED36S 30W Life rated : 50000hrs Make Philips	Each	40	1699.20	67968
160	Philips Meraki Bathroom Wall light Product SKU : 919215851240 Make Philips	Each	25	2107.00	52675
161	Glint Wall light Shed suitable for B22/E27 LED Make Philips	Each	44	2149.00	94556
162	4 Feet 36 watt Ultron Tube light Make Philips	Each	50	599	29950



Sl. No.	Description of Items	Unit	Qty	Rate (incl. GST) ₹	Amount (incl. GST) ₹
163	PHILIPS Orbit White Polycarbonate 3 in 1 Colour Changing Rechargeable LED Table Lamp with Brightness Control, 5 W (Product SKU : 919215850922)	Each	22	1399	30778
164	Dismantling, shifting & stacking of all the Electrical Equipments (e.g. HVAC Ducting and fittings, light fitting, Fan, Conduiting, Distribution Board etc.) from first and second floor including basement for each building as per the instructions of Architect/Consultants/BHEL complete in all respect.	Lump sum Job on a floor	2	30000	60000
165	Buy-back cost for serviceable materials - HVAC Ducting and fittings, light fittings, Fans, Conduiting, Distribution Board, including the Cabling, Wiring, power sockets, etc. extracted from the first and second Floor (Negative values shall be quoted in the rate and amount column and shall be accounted in the total cost)	Lot extracted from a floor	2	-18000	-36000
Total (A)					17555916.7
Percentage above/below (+/-) or at par (B)					
Total after (A) X (B)					

### Note:

- Bidders have to quote only a single overall percentage, (+) above, (-) below or at par with the tender rates in EXCEL Price Bid format.
- The same quoted percentage will be applied on every item of the BOQ.

*SANDIPAN*  
**संविदा विभाग / CONTRACTS DIVISION**  
**बी.एच.ई.एल. सादन, प्लॉट नं. 25, सेक्टर-16A, नोडा-201301 (उ.प्र.)**  
**BHEL Sadan, Plot No. 25, Sector-16A, NOIDA-201301 (U.P.)**

(Digital Signature of the Bidder)



**ANNEXURE: II****DECLARATION**

I / We, do hereby declare that I/We have not been suspended / delisted / blacklisted by any other Govt. Ministry / Department/Public Sector Undertaking/ Autonomous Body/Financial institution/Court. We also certify that either our firm or any of the partners are not involved in any scam or disciplinary proceedings settled or pending adjudication.

**(Digital Signature of the Bidder)**

Place:

Date:

  
संदीपन गोस्वामी / SANDIPAN GOSWAMI  
Sr. Engineer  
H.B.P. / C.A.G.  
Electricals Ltd.  
21001





**ANNEXURE: III**

**No Deviation Certificate**

Notwithstanding anything mentioned in our bid, we hereby accept all the terms and conditions of the above tender and there is no deviation in the terms & conditions of tender. We confirm that the offer submitted by is confirming to all the terms and conditions mentioned in the tender document. We hereby undertake and confirm that we have understood the scope of services properly and shall carry out the job as mentioned in this tender.

**(Digital Signature of the Bidder)**

  
**संदीपन गोस्वामी / SANDIPAN GOSWAMI**  
वरिष्ठ अभियंता / Sr. Engineer  
एच.बी.पी./सी.ए.सी./N.B.P./C.A.G.  
भारत भारी बिजनेस लिमिटेड / Bharat Heavy Electricals Ltd.  
सेक्टर - 16ए, गोरखा-201301 (उ.प्र.)



**ANNEXURE: IV**

### BIDDER'S DETAILS

Name of the Contractor /Party/ Firm	
Name of Representative	
Postal Address	
Phone/ Landline Nos.	
Mobile Nos.	
Fax No.	
E-Mail Address	
Web Site Address ( If Any)	
Bank details for payment through NEFT/RTGS and for release of EMD*	Name of Bank: Branch: Account No.: IFSC No.: MICR No.:

**Note:** Submit a cancelled cheque for verification of above bank details.

(Digital Signature of the Bidder)

[illegible]

  
संदीपन गोस्वामी / SANDIPAN GOSWAMI  
वरि. अभियंता / Sr. Engineer  
एन.बी.पी. / सी.ए.जी. / N.B.P. / C.A.G.  
प्रार्थना लिमिटेड / Bharat Heavy Electricals Ltd.  
25, सेक्टर-16ए, नोएडा-201301 (उ.प्र.)  
15A, NOIDA-201301 (U.P.)



# ANNEXURE: V

## MILESTONE SCHEDULE

Annexure - V																
			Duration in Days													
	Activity Description	Period	0	15	30	45	60	75	90	105	120	135	150	165	180	
Milestone - 1	3rd floor Rooms and corridor area renovation.															
1	Dismantling and removal of existing false ceiling, floor tiles, wall tiles, and old bathroom fittings on 3rd floor.	15														
2	Execution of Electrical Conduiting and Fitting Works on 3rd Floor.	30														
3	Execution of complete civil works, including shotcreting on the ceiling area of the corridor.	45														
Milestone - 2	2nd Floor 10 rooms renovation works. (1st Phase)															
1	Dismantling and removal of existing false ceiling, floor tiles, wall tiles and old bathroom fittings on 2nd floor.	45														
2	Execution of electrical and plumbing installations as per approved specifications.	60														
3	Execution of civil finishing works, carpentry and electrical works as per approved specification.	105														
Milestone - 3	2nd Floor another 10 rooms renovation works. (2nd Phase)															
1	Dismantling and removal of existing false ceiling, floor tiles, wall tiles and old bathroom fittings on 2nd floor.	60														
2	Execution of electrical and plumbing installations as per approved specifications.	90														
3	Execution of civil finishing works, carpentry and electrical works as per approved specification.	120														
Milestone - 4	1st floor and 2nd Floor: Public Toilet Renovation Work															
1	Dismantling and removal of existing floor tiles, wall tiles, and old bathroom fittings on 1st and 2nd floor.	30														
2	Execution of electrical and plumbing installations as per approved specifications.	60														
3	Execution of civil finishing works, carpentry and electrical works as per approved specification.	90														
Milestone - 5	2nd Floor Corridor Area Renovation Works.															
1	Dismantling of floor tiles, false ceiling, and other fittings, along with associated electrical works.	135														
2	Execution of civil, electrical, and plumbing works in the corridor area.	150														
Milestone - 6	Renovation of Training Rooms and Corridor Area on 1st Floor.															
1	Dismantling of Gypsum false ceiling in Corridors area and Traing Rooms, including execution of associated electrical works.	135														
2	Execution of plumbing and ceiling civil & electrical works in the corridor area.	165														
Milestone - 7	Execution of Finishing works in Training Rooms, polishing of Staircase and 1st floor corridor Area.															
1	Execution of balance Civil finishing and associated electrical works.	180														

**Note:** The entire work shall be completed by the contractor within the above time schedule.

  
**संदीपन गोस्वामी / SANDIPAN GOSWAMI**  
 चरि. अभियंता / Sr. Engineer  
 भ. प्र. उ. वि. / N.B.P. / C.A.G.  
 भारती भारती भारती / Bharat Heavy Electricals Ltd.  
 प्लॉट नं. १६९, गेट नं. २०१०१ (उ.प्र.)