



Additional Terms & Conditions(ATC)		14-07-26
Service contract for Retrofitting/Upgradation of MULLER WEINGARTEN Segmental Notching Machine (Model: NNS 3-32)		
1	Bidder to ensure they have all required facilities for quoting bid on the portal as indicated above.	
2	E-Procurement Portal	GeM Portal
3	Due date and Time for bid submission and Opening of Techno-Commercial Bid	Refer E-Bid Portal.
4	Applicability of Reverse Auction(RA)	Applicable
5	Nature of contract	Normal
6	Total Contract Period (in Months) refer STC.	6
7	Guarantee Period (in Months)	18
8	Quantum	Quantum shall be as per section III of ATC
9	Earnest Money Deposit (EMD)	₹ 200,000
10	Security Deposit	Applicable
11	Security amount	The total amount of Security Deposit will be 10% of the Work Order Value
12	Initial ePBG/Security Deposit validity period in months	26
13	PP- Make In India Order provisions	Applicable
14	MSE Benefit	Applicable As the service is not divisible the distribution shall be as below: If L-1 is not an MSE and MSE Service Provider (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band as defined in the relevant policy, then 100% order quantity will be awarded to such MSE bidder subject to acceptance of L1 bid price.
15	Terms Of Payment	As per clause 13 of STC & clause 2.6.C of GCC
16	Terms Of Delivery	As per clause 09 of STC
17	Distribution	Single contractor is sufficient to do the work
18	LD/Penalty	As per clause 11 of STC
19	Price Variation Clause (PVC)	Not Applicable
20	PF/ESI/Bonus/Leave with wages	Not Applicable
21	Integrity Pact	Not applicable
22	Price Evaluation	Overall Evaluation excluding GST
Enclosures to Tender Enquiry: 1.Section- I & II: General Condition of Contract (GCC Rev. 03G) 2. Section –III: Special Terms and Conditions (STC).		



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Fabrication, Stamping & Insulator Plant (FSIP)
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Note: The contractors may personally visit the work place to understand the scope of work before submitting their bids.



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BHEL FSIP_General condition
of contract_Works/Service
Rev. 03G Issue date
20.03.2026.

BHEL FSIP



General condition of Contract-Rev. 03G

Contents

Section I of GCC.....	8
1. DEFINITIONS:.....	8
2. OFFICIAL SECRET ACT:.....	8
3. Submission of Offer: -.....	8
4. SIGNING OF TENDER DOCEMENTS	10
5. PRICE SCHEDULE (PRICE BID)	11
6. EVALUATION OF OFFERS	11
7. REVERSE AUCTION:.....	12
8. CONTRACT AGREEMENT	12
9. Taxes and Duties:	12
10. SAFETY AND OCCUPATIONAL HEALTH:	13
11. EXTENSION	13
12. PREFERENCES FOR MSMEs:	13
13. Terms & Conditions for contractors for Deployment of Contract Laborers Under Service Or Works Contract	14
14. GENERAL GUIDELINES TO CONTRACTOR:	18
15. Conflict of Interest:.....	19
16. Order of Precedence	19
17. Land Border Related Guidelines	19
18. Integrity Pact (IP):	19
19. Preference to Make in India:	20
20. Variation in Taxes & Duties:	20
Section II of GCC	22
Chapter-1 General instruction to tenderers.....	22
1.1 Despatch instruction.....	22
1.2 Submission of tenders.....	22
1.3 Language.....	23
1.4 Price discrepancy	23
1.5 Qualification of tenderers	23
1.6 Evaluation of bids	23
1.7 Data to be enclosed.....	24
1.8 Authorization and attestation	24
1.9 Earnest Money Deposit.....	25
1.10 Security Deposit	26
1.11 Return of security deposit.....	27



General condition of Contract-Rev. 03G

1.12 Bank Guarantees.....	27
1.13 Validity of offer	27
1.14 Execution of contract agreement.....	27
1.15 Rejection of tender and other conditions.....	27
1.16 Intimation of change of name/ re-constitution of the organization	29
Chapter-2.....	29
2.1 DEFINITION:	29
2.2 Law Governing The Contract.....	32
2.3 Issue of notice.....	32
2.4 Use of land	32
2.5 Commencement of work.....	32
2.6 Terms of Payment.....	32
2.7 Rights of BHEL	34
2.8 Responsibilities of the Contractor In Respect of Local Laws, employment of Workers etc.	39
2.9 Execution Plan, Progress Monitoring, Monthly Review And Performance Evaluation.....	42
2.10 Time Of Completion	43
2.11 EXTENSION OF TIME FOR COMPLETION	44
2.12 Blank.....	44
2.13 Blank.....	44
2.14 Blank.....	44
2.15 Extra Works.....	44
2.16 Supplementary Items	45
2.17 Blank.....	45
2.18 Insurance.....	45
2.19 STRIKES & LOCKOUT	46
2.20 Force Majeure	46
2.21 Settlement of Dispute.....	47
2.22 Blank.....	49
2.23 PAYMENTS.....	49
2.25 CLOSING OF CONTRACTS.....	50
2.26 SUSPENSION OF BUSINESS DEALINGS	51
2.27 Limitation On Liability:.....	51
2.28 Non-Disclosure Agreement (NDA):	51
2.30 Cartel Formation.....	51
2.31 Fraud Prevention Policy.....	51



General condition of Contract-Rev. 03G

2.32 Blank	51
2.29 Other Issues	51
3. Maintaining Quality of the Job and rectification of any deficiency.....	52
4. Subcontracting.....	52
5. Termination Of Contract	52
6. Recovery From Contractor	52
7. Post Payment Audit Of Work & Bills.....	52
8. Confidential Information	52
9. No Claim Certificate	52
10. Liasoning with local and state authorities	52
11. Reporting	53
12. Commission for employment	53
13. Contractor's representative	53
14. Statutory obligations/ compliances/ requirements.....	53
15.Death cum accidental insurance policy	54
16.Contractor's obligations.....	54
17.Care & treatment:	56
18.Registers And Records And Collection Of Statistics.....	56
19>Returns Under Labour Laws	57
20.Compliance With BHEL Rules.....	57
21.Indemnity	57
22.Company Representative.....	57
23.Withdrawal Of Workforce	57
24.Instruction Book.....	57
25.Identity.....	58
26.Attendance Record.....	58
27.Character Verification And Antecedence	58
28. Working Days / Holidays / Leave	58
29.Safety, Health And Environment (She) Management	58
30.BHEL's Right To Withdraw / Relax	59
31.No Employer Employee Relationship.....	59
32.Contractor's Workforce.....	59
33. Supervision Of Contractor's Workforce	60
34. Assignment	61
35.Termination	61
36.Grievance Redressal Mechanism.....	61



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General condition of Contract-Rev. 03G

37. For goods / works / services on Indian Suppliers / Contractors.....62
38. List of Annexures



General condition of Contract-Rev. 03G Section I of GCC

1. DEFINITIONS:

The following terms and expressions shall have the meaning hereby assigned to them, except where the context otherwise requires:

- 1.1 'BHEL' shall mean Bharat Heavy Electricals Limited, a Company registered under the Indian Companies Act, 1956 with its Registered Office at BHEL House, Siri Fort, New Delhi, Pin-110049 through its office at FSIP-Jagdishpur or its authorized Officers or its Engineers or other employees authorized to deal with any matters with which these persons are concerned on its behalf.
- 1.2 'CONTRACTOR' or 'FIRM' shall mean the individual, firm or Company who is enlisted with BHEL for providing the services and shall include their executors, administrators, successors and permitted assigns.
- 1.3 'CONTRACT' or 'CONTRACT DOCUMENT' shall mean and include guidelines and declarations of the registration, the General Terms & Conditions and Statutory Compliances, schedules of quantities, accepted appendices of rates, if any, technical specifications, special specifications, if any, Letter of Intent, agreement & the work order, issued by BHEL. Any conditions or terms stipulated by the bidder in the tender documents or subsequent letters shall not form part of the contract unless specifically accepted in writing by BHEL and incorporated in the work order.
- 1.4 'TENDER DOCUMENTS' shall mean Instruction to Tenderers, General Terms & Conditions, Special Terms & Conditions, Tender Specifications including drawings and all other documents issued to the bidder against invitation of bid.
- 1.5 'LETTER OF INTENT' shall mean the intimation by a letter / email / fax to the bidder that the tender has been accepted in accordance with provision contained in that letter. The responsibility of the contractor commences from the date of issue of this letter and all the terms and conditions of contract are applicable from this date.
- 1.6 'APPROVED, DIRECTED or INSTRUCTED' shall mean approved, directed or instructed by BHEL Shop Engineer / Shop- in-charge/ Concerned authorities.
- 1.7 'WORK' or 'CONTRACT WORK' shall mean and include the work to be done in relevant work category by the firm or as specified in the Tender documents.

2. OFFICIAL SECRET ACT:

The contractor shall give an undertaking under the official secret Act for maintaining secrecy of the drawings, documents or other records connected with the work given to them. The contractor shall return all the drawings/documents given to them. A third party non-disclosure agreement as per Annexure-G shall be submitted.

3. Submission of Offer: -

- 3.1 Bids shall be submitted strictly in accordance with the requirements of tender documents. Incomplete offers are liable to be rejected.
- 3.2 Tenders shall be submitted in Two parts (or as specified in NIT) on or before the Due Date and time indicated in the NIT/ RFQ.
- 3.2.1 **PART – I (Techno-Commercial Bid):** Techno commercial bid should be filled as per ANNEXURE-H to this section and should contain documents in the same order as listed there along with Documents for Pre-qualifying requirements, if applicable.



General condition of Contract-Rev. 03G

- 3.2.2 **PART – II (Price Bid):** Price bid should contain only Price Offer to be submitted strictly as per given format of Price Schedule given in the tender document. The Price Bid not submitted as per Price Schedule may not be considered.

Note:

1. Offers are liable to be rejected for changes made by bidders in the Price Schedule in Price Bid, except those specified in the unpriced bid and accepted by Purchaser.
2. Where-ever it is specified in NIT that the bids are to be submitted on BHEL e-procurement portal, bidder to upload the bid documents on specified portal and no paper bids are required to be submitted.

3.3 Submission of Bid through NIC

- 3.3.1 Bidders shall have to visit BHEL E-Procurement web site (<https://eprocurebhel.co.in/nicgep/app>) and have to upload submit their quotation on BHEL e-bid portal in line with NIT requirement by due date and time.
- 3.3.2 For submitting Bids, bidders have to use their organization's authorized Digital signature (DSC class-III/ applicable class for bidding). In case the same is not available with the bidder then such bidder has to arrange as per the existing provisions of BHEL E procurement portal and ensure timely submission of the bids.
- 3.3.3 Bidders to note that hard copy of the bid is not required to be submitted and Bid is to be submitted on BHEL E procurement portal only. In case paper bids are received from any of the bidder against e-bid, same shall be ignored
- 3.4 **Submission of Bid through Gem:** Bidders to follow relevant clause of GeM GTC for submission of offer through GeM
- 3.5 The bidder shall quote the rates in English Language using international numerals. These rates shall be entered in figures as well as in words. For the purpose of the tender, the metric system of units shall be used.
- 3.6 All entries in the tender shall either be typed or be written in ink. Overwriting or cutting is not acceptable.
- 3.7 Tenders shall be opened by authorized officers of BHEL through online mode on as per type of e mode at the time and date specified in the NIT or any extension.
- 3.8 The offers should be strictly in accordance with the tender specifications & General Instructions to the bidder. Should the bidder require any clarification on the tender specification, or is interested in offering any deviation from the tender specification, he shall contact the authority inviting the tender for clarification before submission of the tender. No deviation w.r.t. terms & conditions of the tender are acceptable.
- 3.9 If there are varying or conflicting provisions made in any one document forming part of the contract, BHEL shall be the deciding authority to the intention of the document.
- 3.10 Before tendering, the bidder is advised to inspect the site of work and the environments and be acquainted with the actual working and other prevalent conditions, facilities available etc. No



General condition of Contract-Rev. 03G

claim will be entertained later on grounds of lack of knowledge.

- 3.11 The acceptance of tender will rest with BHEL which does not bind itself to accept the lowest tender or any tender and reserves to itself full rights to reject any or all the tenders.
- 3.12 Conditional and unsigned tenders, tenders containing absurd or unworkable rates and amounts, tenders which are incomplete or otherwise considered defective and tenders not in accordance with the tender conditions, specifications, etc., are liable to be rejected.
- 3.13 If the bidder deliberately gives wrong information in his tender, BHEL reserves the right to reject such tender at any stage or to cancel the contract, if awarded and forfeit the Earnest Money / Security Deposit / any other moneys due.
- 3.14 Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the Bidder who resorts to canvassing are liable to be rejected.
- 3.14.1 In case of non-conformities/errors/discrepancies are observed between the quoted prices in figures and that in words, following guidelines shall be followed:
- 3.14.2 If, in the price structure quoted for the required goods / services / works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly. Unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
- 3.14.3 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 an
- 3.14.4 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 of (a) and (b) above
- 3.15 If there is such discrepancy in an offer the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.
- 3.16 BHEL reserve the right to accept or reject any of the bid/all bids or cancel/withdraw the invitation for bid without assigning any reason whatsoever and in such case no bidder/intending bidders shall have any claim arising out of such action by BHEL.

4. SIGNING OF TENDER DOCUMENTS

The tenderer shall furnish following, duly enclosing documents relating thereto for the person who signs the tender documents:

- a) Authorized signatory shall be the person holding 'power of attorney' on behalf of the firm/company/bidder-concerned authorized/empowered to act on behalf for the specific purpose.
- b) **Power of Attorney:** An attested copy of the Power of Attorney, in case an individual other than the sole proprietor signs the tender shall be submitted along with the tenders. Refer annexure-15 for format of Power of Attorney.
- c) **Sole Proprietor-ship Firm:** Undertaking on oath (Rs. 100 stamp paper) that Proprietor is solely responsible for all rights and liabilities while working under the name and style of Sole Proprietorship firm namely (_____)



General condition of Contract-Rev. 03G

- d) **Partnership Firms:** The names of all the partners and their address. A copy of the partnership deed duly certified by the Notary Public/ Deed registered at the office of Registrar of Firms shall be enclosed. The tender must be signed by all the partners of the firm or by the managing partner who has power to do.
- e) **Company:** Certified copy Memorandum of Association, Article of Association and Incorporation Certificate.
- f) **Society:** Registration certificate issued by Registrar of societies.

Note: It shall be presumed that tenders submitted through GePNIC/GeM are made by the authorized signatory. Consequently, the documents specified above shall not be required for GePNIC/GeM tenders.

BHEL will not be bound by any other power of attorney granted or the change in composition of the firm made after the execution of the contract agreement. They may, however, recognize such power of attorney or change in status only after legal advice.

5. PRICE SCHEDULE (PRICE BID)

- 5.1 Rate should be quoted strictly as per prescribed Price Schedule.
- 5.2 Rates to be quoted in figures and words by the Contractor.
- 5.3 There should not be any corrections in price bid contradictory to the above the offer will be liable for rejection.

6. EVALUATION OF OFFERS

- 6.1 Technical-cum-Commercial Bid (Part-I) shall be opened first on due date specified in NIT.
- 6.2 The bidders shall be evaluated as per Pre-qualifying and techno-commercial requirements mentioned in the tender documents.
- 6.3 Price Bid (Part-II) shall be opened only of Technical-cum-Commercial qualified bidder.
- 6.4 Any discount/revised offer submitted by a bidder on its own shall be accepted provided it is received on or before the due date and time of offer submission (i.e. part-1 bid). The discount shall be applied on pro rata basis to all items unless specified otherwise by the bidder. Unsolicited discount received after the due date and time of Bid Submission shall not be considered for evaluation. However, if the party who has submitted the unsolicited discount/rebate becomes the L-1 party, then the awarded price i.e. contract value shall be worked out after considering the discount so offered.
- 6.5 Evaluation of the offer will be strictly based on the information submitted by the bidder. In view of this the bidder is requested to go through tender document carefully and furnish all details clearly. Missing information may not be asked by BHEL.
- 6.6 **Evaluation in case of more than one L-1 bidder:** In the course of evaluation, if more than one bidder happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 bidders. In case more than one bidder happens to occupy the L-1 status even after soliciting discounts, the L-1 bidder shall be decided by a toss / draw of lots, in the presence of the respective L-1 bidder(s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final and binding.
- Note:** For GeM Tenders provisions of GeM will prevail.



General condition of Contract-Rev. 03G

- 6.7 BHEL reserve the right to split the work in two or more bidders, if required. If not specified, total work in full shall be ordered on a single party i.e. L-1 bidder.
- 6.8 BHEL reserves its right to negotiate with the L1 Bidder. and/ or go for Reverse Auction (RA).
- 7. REVERSE AUCTION:**
- 7.1 BHEL may go for Reverse Auction (on line bidding on Internet) instead of opening the submitted sealed price bid. Bidder should confirm participation in Reverse Auction along with Techno-Commercial Bid.
- 7.2 The decision to go for Reverse Auction will be taken after techno-commercial evaluation. Only technically and commercially acceptable bidders shall be eligible to participate in reverse auction. Information and general terms and conditions governing RA shall be communicated to technically and commercially acceptable bidders.
- 7.3 In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids already submitted and available with BHEL shall be opened as per BHEL's standard practice.

Note: - For tenders floated on GeM, bidders shall adhere to the GeM General Terms and Conditions (GTC) for the RA process.

8. CONTRACT AGREEMENT

A contract agreement is required to be signed at the earliest & prior to the submission of first RA Bill. Execution of Contract Agreement shall be as per Annexure-19 of list of Annexures. The following documents shall be furnished by contractor for preparation of Contract Agreement: -

8.1 Applicable Security Deposit in line with clause no. 1.10.3 of Section-II of GTC.

8.2. Non judicial stamp paper of Rs. 100/-.

Note that the Security deposit shall be remitted by the contractor before start of work and any payment against this contract shall be released only after remittance of Security deposit & Retention amount and thereafter signing of the contract.

9. Taxes and Duties:

- 9.1 BHEL shall be releasing payments against the work order after deduction of income tax at source (TDS) as per requirement of income tax rules as well as TDS under GST and BHEL will issue appropriate certificates in this regard.
- 9.2 GST, if applicable, shall be paid to the contractor as per the Government's rules, against actual running bills, supported by documentary evidence. The GST shall be paid in addition to the quoted rate wherever Input Tax Credit (ITC) is available to BHEL. Bidders are required to submit their quotes excluding GST, in accordance with the NIT/ATC. However, in cases where Input Tax Credit is not available to BHEL, bidders shall quote prices including GST in accordance with NIT/ATC and no additional GST shall be paid over the quoted rate.
- 9.3 The GST Credit entry maintained by GSTN to the BHEL Accounts on 'GSTN Common Server' must be ensured by the contractor. In absence of the same or any loss of GST Credit due to the fault of contractor, same shall be recovered/not payable to the contractor.
- 9.4 No interest shall be payable by BHEL on Earnest Money, Security Deposit or on any money due



General condition of Contract-Rev. 03G

to the firm by BHEL.

- 9.5 Firm shall arrange his own finance for smooth execution of contract, wages payment, other statutory payments to his employees and all other agreed conditions.
- 9.6 Contractor is required to submit the bill within 30 days from work completion. If for any reason contractor is unable to submit bill beyond 30 days, then contractor has to submit bill within 6 months from work completion. Beyond this period bill will not be accepted.
- 9.7 Clarifications from the contractors on bills will be intimated in one go within 07 days of receipt of clear bills, generally. Further, contractors are also required to submit the clarification in one go by next 07 days of receipt of clarification letter from BHEL.

10. SAFETY AND OCCUPATIONAL HEALTH:

The contractor has to assume full responsibility of the safety of the vehicles/ equipment, crew and to comply with the security/ safety regulations of BHEL and Government, as applicable, inside the BHEL factory. The contractor is required to keep and maintain first aid box at work place at his own cost.

11. EXTENSION

The contract may be extended as per BHEL's policy on mutual agreement of BHEL and the contractor.

12. PREFERENCES FOR MSMEs:

In compliance of MSE preference clause, the distribution of work amongst MSE bidders shall be in the following manner:

- 12.1 Distribution shall apply only in case MSE bidder has quoted prices within L1+15% & L1 is non-MSE bidder.
- 12.2 In case the work can be split in smaller portions and work is to be awarded to L1 bidder only, then 25% of the work shall be provided to lowest priced bidder amongst MSE who accepts L1 prices. Rest 75% to be allocated to L1 bidder.
- 12.3 In case the work is proposed to be split amongst specified (n) bidders:
- If none of the bidders who are selected to receive split portion of work is MSE, then lowest priced bidder amongst MSE who accepts L1 prices will be provided 25% of the work. Rest of the bidders shall share balance 75% work on pro-rata basis as per applicable distribution matrix as per TTC.
 - In case some MSE bidders are eligible for receiving the split portions of work as per their bids (Ln ranking) & the total quantum to MSE bidders exceeds 25%, the splitting shall be as per applicable distribution matrix as per TTC.
 - In case some MSE bidders are eligible for receiving the split portions of work as per their bids (Ln ranking) & the total quantum to MSE bidders is less than 25%, then the MSE bidder's quantum of work shall be increased in pro-rata manner so that the sum of all MSE bidder's allocation is 25%. Rest of the bidders shall share balance 75% work on pro-rata basis as per applicable distribution matrix as per TTC.



General condition of Contract-Rev. 03G

NOTE: For GeM tenders MSE/MII preference shall be given to only those bidders who will have selected for MSE/MII benefits in the tender. If the seller fails to claim MSE/MII provisions on GeM portal at profile updating/bid submission stage, the said seller will become ineligible for getting the MSE/ MII benefits for that bid automatically.

13. Terms & Conditions for contractors for Deployment of Contract Laborers Under Service Or Works Contract

13.1 LABOUR LICENCE AND OTHER REQUIREMENTS

- 13.1.1 Contractor shall within 15 days of commencement/completion of work-order submit Form VI-A to RLC office. The first & final bill shall be processed only on clearance regarding submission of Form VI-A by contractor.
- 13.1.2 Contractor shall apply for Form V to BHEL for obtaining labour license (if the number of workers deployed is more than 19) from appropriate government (as on date Central Government) and submit the same within one month from the date of award of the contract. Contractor shall possess separate valid Labour license from appropriate government for each contract in line with CL(R&A) Act before deploying their employees.
- 13.1.3 In case the number of employee desired to be deployed by the contractor against the contract during execution exceeds the number of employees allowed in the license then the contractor shall obtain prior amended valid labour license for the contract for the requisite number of employees.
- 13.1.4 The contractor cannot deploy the contract worker without obtaining requisite Labour licence from the Appropriate Government (Central Govt.) authority. Till then the contractor shall be allowed to deploy maximum 19 workers or the numbers required whichever is less.
- 13.1.5 The contractor shall also have to submit copy of PAN card and latest IT return.
- 13.1.6 The contractor must possess Service Tax Registration number under relevant code head.
- 13.1.7 The contractor should possess GSTIN Number if material is supplied/consumed. The contractor should not be disqualified from bidding in case the contractor does not have GSTIN. However, he shall have to produce GSTIN before opening of Price bid.

13.2 APPOINTMENT AND ENTRY IN FACTORY PREMISES

- 13.2.1 The contractor shall submit the request for issuance of gate passes of their workers along with following documents to HR Department through contracting department in the format given by BHEL:
 - a. Identity Proof (Voter ID/ Aadhar).
 - b. Police Verification Certificate by appropriate authority or Character certificate issued by District Magistrate's Office or Proof of remittance of fees for character certificate at District Magistrate's Office. Further, he should submit the character certificate within 30 days failing which he will be discontinued.
 - c. Copy of employment card issued by contractor to his own worker.
 - d. The firm shall arrange the working permission beyond normal working hours on their own, if required.



General condition of Contract-Rev. 03G

- 13.2.2 After submission of documents as in Para 22.2.1, the contractor shall issue photo identity card to the labour and submit to HR department. This identity card shall be forwarded by HR department to BHEL Security, which shall then authorize the labour to enter the factory premises initially for a period of one month.
- 13.2.3 The photo identity card shall have to be revalidated in every three months on last working day of the month or any other date fixed to do so. In absence of such revalidation, duly forwarded by HR department, BHEL Security shall not allow any labour to enter the premises of BHEL FSIP Jagdishpur.
- 13.2.4 The contractor shall maintain a register of persons employed by him in the format prescribed under Rule 75 of Contract Labour (R&A) Central Rules.

13.3 BILLS PAYMENT, ATTENDANCE AND PAYMENT OF WAGES:

- 13.3.1 The Contractor shall pay wages to all his Labourers as prescribed by the BHEL HR from time to time based on U.P. government norms.
- 13.3.2 Contractor shall ensure payment of wages as applicable on or before seventh day of each month.
- 13.3.3 Wages payment shall be made by Contractor to the Labourers through bank only and shall maintain proper records of their timely disbursement. Contractor shall issue wages slips to his labourers.
- 13.3.4 The payment of wages to the workers shall not be subject to payment against the bills by BHEL. Bills to be issued within period specified in GST.
- 13.3.5 The contractor shall submit bills to the contracting department only after payment of wages for previous months.
- 13.3.6 The contractor's bills should be accompanied with the following: -
- 13.3.6.1 Copy of Measurement Book entries / Statement of work done / work completion report by the Contractor duly verified by concerned BHEL representative(s).
- 13.3.6.2 Self-Declaration of Minimum Wages of labours deployed by him under the Service contract, PF/ESI no., statutory deductions etc.
- 13.3.6.3 PF and ESI challans for period for which bill has been raised -separate for concerned Service contract. Print of online challan along with list of contributing contract workers for ESI duly certified by the contractor.
- 13.3.6.4 Wage payment sheet for the bill period.
- 13.3.6.5 Statement of material supplied by the contractor, if any.
- 13.3.6.6 Copy of Labour Licence if increase in no. of labours deployed against Work Order if applicable.
- 13.3.6.7 In cases where the payment to the contractor is due only after completion of work and the payment is not made monthly then the contractor shall have to produce documents as enumerated in respect of all workers deployed by him against the contract, for each month separately, along with final bills.



General condition of Contract-Rev. 03G

- 13.3.7 The contractor shall remit the cheques favouring RPFC and ESI Office with the appropriate banks with such period as stipulated under relevant provisions. Last date for remittance of PF is 15th and that in case of ESI is 21st of each month.

13.4 PROVIDENT FUND (PF)

- 13.4.1 The contractor should get independent EPF code before deployment of his contract worker against work contract.
- 13.4.2 The Contractor should allot PF account number and get the nomination form, duly filled in, from each worker deployed by him at the time of joining. Each worker must have his/her Provident Fund KYC completed and his respective UAN must have been allocated.
- 13.4.3 In case the worker already has PF/pension account number, allotted to him, previously, then the contractor shall get the transfer form filled up at the time of joining and send to the office of concerned Regional Provident Fund Commissioner.
- 13.4.4 After termination of contract the contractor shall provide due assistance to the labour for withdrawal of PF/pension amount, when due.
- 13.4.5 The Contractor shall liaison with the PF officials to get the annual PF slips and distribute amongst his own workers. Security deposit shall be released only after submission of PF slips of workers.

13.4.6 PF CONTRIBUTION:

Employee's Contribution

12.00%

Employer's Contribution

13.00 %

The PF Contribution will be applicable as per present government guideline. If any change occurs as per govt guidelines/notification same will be applicable.

- 13.4.7 The Contractor shall submit annual returns in Form-6A and Form 3A, prescribed under statutory EPF scheme, 1952, in respect of each worker deployed by him with a copy to HR.

13.5 EMPLOYEES STATE INSURANCE (ESI)

- 13.5.1 The Contractor should allot ESI account number and get the nomination form, duly filled in, from each labour deployed by him at the time of joining.
- 13.5.2 At the time of joining the contractor shall get the self/family registration form filled by the workers and submit to the local ESI office.
- 13.5.3 The contractor shall facilitate collection of issued ESI cards by his worker. Only those workers shall be allowed entry into factory premises who have valid ESI Card.

13.5.4 ESI CONTRIBUTION:

Employee's Contribution

0.75%

Employer Contribution

3.25%

The ESI Contribution will be applicable as per present government guideline. If any change occurs as per govt guidelines/notification same will be applicable.



General condition of Contract-Rev. 03G

- 13.5.5 The Contractor shall submit annual returns in Form-6 prescribed under ESI Act, deployed by him with a copy to HR and finance department.
- 13.5.6 The Contractor shall produce the following Registers and forms as per Contract Labour (R & A) Rules 1971 for inspection by the concerned BHEL Officer(s):
- a. Form XIII - Register of Workmen employed by contractor (Rule 75)
 - b. Form XIV - Employment Card issued by contractor (Rule 76)
 - c. Form XVI - Muster Roll 78(1)
 - d. Form XVII - Register of Wages (Rule 78 (1) (a) (i))
 - e. Form XVIII - Register of wages-cum Muster Roll (in case of weekly Payment)
 - f. Form XIX - Wage Slip (Rule 78)(1) (b)
 - g. Form XX - Register of deduction for damages of loss (Rule (78)(1) (a) (ii))
 - h. Form XXI - Register of fines (Rule 78) (1) (a) (ii)
 - i. Form XXII - Register of advance (Rule 78) (1) (a) (ii)
 - j. Form XXIII - Register of overtime (Rule 78) (1) (a) (iii)
 - k. Form XXIV - Return to be sent by the contractor to licensing officer (Rule 82)
 - l. Form XII – Register of Adult Workers
 - m. Form XIV – Leave with wage register
- 13.6 BONUS**
The contractor shall be liable to pay statutory bonus under payment of Bonus Act, 1965 and the payment of bonus (amendment) act, 2015.
- 13.7 DISCIPLINE**
- 13.7.1 The Contractor shall be responsible for the discipline of his own labourers deployed under the service contract. In case of any loss to the BHEL FSIP Jagdishpur on account of indiscipline of contract labourer then such loss shall be assessed and recovered from the running bills of the contractor or from the security deposit.
- 13.7.2 The contractor shall not employ any person who has not completed his 18 years of age and person who has attained 60 years of age. Contractor to ensure that the employees 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. acceptable to concerned department.
- 13.7.3 The contractor, on advice of authorized BHEL official, shall immediately remove any person employed by him, who may in the opinion of such authorized BHEL official is involved in misconduct. Such person shall not be re-employed by the contractor without prior permission.
- 13.8 PROHIBITION ON INFLUENCING AND INTERFERING ON BEHALF OF CONTRACTOR:**
The Contractor shall neither try to influence, chase or interfere into the working of BHEL officials nor engage BHEL employee or any other third person for the same. In case such incident does



General condition of Contract-Rev. 03G

occur, it may lead to disqualification/debarring from the contract. Any contractor shall be debarred from consideration if any of his relations is working in the product/functional group in which the contract is being issued.

14. GENERAL GUIDELINES TO CONTRACTOR:

- 14.1 BHEL shall have the privity of the contract with the contractor only and will give instructions to the contractor or his authorized representative. BHEL will have nothing to do or be concerned with the employment of employees working for the contractor. The relationship between BHEL and the Contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or an employer-employee relationship.
- 14.2 Contractor to should submit a copy of standing orders if engaging 100 or more workmen and shall comply with the provisions of Factories Act.
- 14.3 The Contractor shall compensate BHEL for any loss or damage to the plant/property, material of BHEL due to his workmen/representatives' negligence or otherwise during execution of work.
- 14.4 The contractor shall be responsible for all acts and omissions of their staff and liabilities arising out of the acts and omissions of such staff shall be borne by the contractor, BHEL shall in no way be responsible for any such acts, omissions or any liabilities arising there from.
- 14.5 If any accident/injury/loss/ occurs due to the operation of any equipment, to any other persons/public and the properties of BHEL/client/other agencies/third party, the contractor shall have to pay necessary compensation and other expense, so decided by the appropriate authorities/victims.
- 14.6 Only the authorized staff attached to the contracted work or representative nominated by the contractor shall be allowed entry inside the company's or any other premises during the period of contract.
- 14.7 The persons employed by the Contractor in respect of work will treated as the authorized representative(s) and shall also be held responsible along with the contractors, for any breach of the terms and conditions as provided in this contract.
- 14.8 If BHEL Executive feels that the persons deployed on job are not having required skill to perform the job, the contractor will have to replace those persons by adequately trained staff.
- 14.9 The Contractor will have to indemnify BHEL against:
 - a) All claims for injury or damage to any person or property caused by his negligence of his employees whilst in BHEL premises.
 - b) Observance of Labor & Industrial Laws, including regular remittance to EPF and ESI.
 - c) All claims by way of compensation and all other types of unforeseen claims, which may arise in the period of contract.
 - d) The Contractor will accept liability for compensation in accordance with the provision of the Indian Worker's Compensation Act, 1948, amendments thereafter and or other law for the time being in force for personal injury caused to any workmen by accident arising out of and in the course of this contract.
 - e) The Contractor will indemnify the company against all payments by way of compensation or otherwise which the company may be called upon to make under the provisions of the said Acts to any workmen as aforesaid, and any cost incurred by the company in connection with any claim preferred by such workmen and or against all actions, claims and demand whatsoever in respect thereof or in respect of any loss, injury or damages whatsoever to any third person arising out or occasioned by the negligent, imperfect or improper performance of this contract by the



General condition of Contract-Rev. 03G

Contractor, their workmen servants or agents.

- f) The Company shall not be held liable for any loss, damage or compensation to third parties arising from or in relation to transport operation done by the bidder, such loss, damage or compensation shall be reimbursed by the Contractor to the company together with the costs incurred by the company on any legal proceedings pertaining there to.

The Contractor will be required to submit Indemnity Bond in favor of BHEL on a Non Judicial Stamp paper of Rs. 100 value.

15. Conflict of Interest:

Bidder to submit Annexure no 21 regarding 'conflict of interest' and same should be signed by the authorized signatory of the bidder:

- 16** For order exceeding Rs 25 lakhs, Successful L1 bidder to submit mandatorily the GeM Seller ID before placement of Order/Award of contract.

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

16. Order of Precedence

In case of any conflicting provisions in different documents of NIT such as STC, GTC etc., Terms and conditions will supersede in the following order of Precedence:

- 1) Conditions stipulated in Enquiry letter
- 2) STC
- 3) Section-I
- 4) Section-II

17. Land Border Related Guidelines

Bidder to ensure Compliance of Restrictions under Rule 144 (xi) of GFR 2017 as per DOE Order (Public Procurement No.4) dated 23.02.2023 (as amended from time to time).

18. Integrity Pact (IP):

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

SI	IEM	Email
1.	Dr. Sarat Kumar Acharya, Ex-CMD, NLC	iem1@bhel.in
2.	Shri R. Mukundan, IRPS (Retd.)	iem2@bhel.in
3.	Shri Madan Lal Meena, IAS (Retd.)	iem3@bhel.in



General condition of Contract-Rev. 03G

- b) The IP as enclosed with the tender is to be submitted (duly signed by authorized signatory) along with techno-commercial bid (Part-I, in case of two/ three part bid). Only those bidders who have entered into such an IP with BHEL would be competent to participate in the bidding. In other words, entering into this Pact would be a preliminary qualification.
- c) Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the tendering process, the matter may be referred to the panel of IEMs. All correspondence with the IEMs shall be done through email only.

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

19. Preference to Make in India:

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

20. Variation in Taxes & Duties:

Any upward variation in GST shall be considered for reimbursement provided supply of goods and services are made within schedule date stipulated in the contract or approved extended schedule for the reason solely attributable to BHEL. However downward variation shall be subject to adjustment as per actual GST applicability.

In case the Government imposes any new levy/tax on the output service/goods after price bid opening, the same shall be reimbursed by BHEL at actual. The reimbursement under this clause is restricted to the direct transaction between BHEL and its Supplier/Vendor only and within the contractual delivery period only.

In case any new tax/levy/duty etc. becomes applicable after the date of Bidder's offer but before opening of the price Bid, the Bidder/ Supplier/Vendor must convey its impact on his price duly substantiated by documentary evidence in support of the same before opening of price bid. Claim for any such impact after opening the price bid will not be considered by BHEL for reimbursement of tax or reassessment of offer.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited
फैब्रिकेशन, स्टैम्पिंग ऐन्ड इंसुलटर प्लांट
Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

Section II

General condition of Contract-Rev. 03G

Section II of GCC	
Chapter-1 General instruction to tenderers	
1.1 Despatch instruction	
1.1.1	The General Conditions of Contract form part of the Tender specifications. For this tender, bidders shall use electronic Signature viz Digital Signature Certificate while uploading the tender documents on the e-procurement portal. The information furnished shall be complete by itself. The tenderer is required to furnish all the details and other documents as required in the following pages.
1.1.2	Tenderers are advised to study all the tender documents carefully. Any submission of tender by the tenderer shall be deemed to have been done after careful study and examination of the tender documents and with the full understanding of the implications thereof. Should the tenderers have any doubt about the meaning of any portion of the Tender Specification or find discrepancies or omissions in the drawings or the tender documents issued are incomplete or shall require clarification on any of the technical aspect, the scope of work etc., he shall at once, contact the authority inviting the tender well in time (so as not to affect last date of submission) for clarification before the submission of the tender. Tenderer's request for clarifications shall be with reference to Sections and Clause numbers given in the tender documents. The specifications and terms and conditions shall be deemed to have been accepted by the tenderer in his offer. Non-compliance with any of the requirements and instructions of the tender enquiry may result in the rejection of the tender.
1.1.3	Integrity pact (IP) shall be applicable for all tenders / contracts if indicated in NIT. This IP shall be issued as part of the Tender documents and shall be submitted by the bidder along with Techno-commercial bid duly filled, signed and stamped by the authorized signatory who signs the bid. Entering into this pact shall be a preliminary qualification.
1.2 Submission of tenders	
1.2.1	The tenderers must submit their tenders to Officer inviting tender as per instructions in the NIT.
1.2.2	Tenders shall be submitted through E-Procurement portal as per instruction in NIT. Tenderers to upload offers well in advance in order to avoid last minute congestion in e-procurement website. However, after submission of the tender, the tenderer can re-submit revised tender but before due date and time of submission of tender as notified.
1.2.3	Tenders shall be opened by Officer of BHEL at the time and date as specified in the NIT. For this tender, bidders may attend through online mode, if provisions are available in e-procurement portal
1.2.4	Tenderers whose bids are found techno commercially qualified shall be notified through e-procurement system about the date and time of opening of the Price Bids. BHEL's decision in this regard shall be final and binding.
1.2.5	The information given in the tender documents is for general guidance and shall not be construed as contractually binding on BHEL/ Owner. All relevant site data/ information as may be necessary for bidding shall have to be obtained/ collected by the Tenderer.
1.2.6	The Tenderers are advised to physically visit the site to acquaint and satisfy themselves about the weather conditions, working culture in the area, socio-political environment, safety & security aspects, law & order situation, law of the land, transportation routes, various distances, surroundings of plant/ project premises together with all statutory, obligatory, mandatory requirements of various authorities and obtain for themselves all necessary information as to the risks, contingencies and all other circumstances, which may influence or affect the discharge of various obligations under the Contract during contract period including extended period (if any).

General condition of Contract-Rev. 03G

1.2.7	The submission of bid will tantamount to due diligence having been done and it shall be deemed that:
a)	the Tenderer has obtained all necessary information as to risks, contingencies and other circumstances which may influence or affect the Works.
b)	the Tenderer accepts total responsibility for having foreseen all difficulties and costs of successfully completing the Works
c)	the Tenderer accepts that, the Contract Price shall not be adjusted to take account of any unforeseeable or unforeseen difficulties or costs and the Tenderer shall not raise any claims/ disputes against BHEL and/ or Owner at later date in any manner whatsoever.
1.2.8	The Tenderer shall mandatorily be required to submit "Site Visit Confirmation Declaration" along with the Technical Bid
1.3 Language	
1.3.1	The tenderer shall quote the rates in English language and international numerals. These rates shall be entered in figures as well as in words. Tenderers are requested to refer the clauses of NIT/ Vol-II "Price Bid" for more details. For the purpose of the tenders, the metric system of units shall be used.
1.3.2	All entries in the tender shall either be typed or written legibly in ink. Erasing and over-writing is not permitted and may render such tenders liable for rejection. All cancellations and insertions shall be duly attested by the tenderer.
1.4 Price discrepancy	
1.4.1	Price Bid opening: During opening of price bids, if there is any difference between the amount in figures and in words, the amount quoted by the bidder in words shall be taken as correct.
1.4.2	Reverse Auction: In case of Reverse Auction, the successful bidder shall undertake to execute the work as per overall price offered by him during the Reverse Auction process. (Guidelines as available on www.bhel.com on "supplier registration page".).
1.5 Qualification of tenderers	
i)	Only tenderers who have previous experience in the work of the nature and description detailed in the Notice Inviting Tender and/or tender specification are expected to quote for this work duly detailing their experience along with offer.
ii)	Offers from tenderers who do not have proven and established experience in the field shall not be considered.
iii)	The offers of the bidders who are on the debarred list shall be rejected. Further, offer of the bidders, who engage the services of the debarred firms or associated with the debarred firm, for present bid, shall also be rejected. The list of debarred firms is available on BHEL web site www.bhel.com . (Refer clause 2.26).
iv)	Offers from tenderers who do not comply with the latest guidelines of Ministry/Commissions of Govt. of India shall not be considered.
1.6 Evaluation of bids	
1.6.1	Technical Bids submitted by the tenderer will be opened first and evaluated for fulfilling the Pre- Qualification criteria and other conditions in NIT/Tender documents, based on documentary evidences submitted along with the offer.
1.6.2	In case the same qualifying experience is claimed by more than one agency, then: a) The agency who has executed the work as per documentary evidence submitted shall only be qualified. Scope of qualifying work should be totally with the agency who has executed and in case it is only labour and consumables without T&P, then the credentials of execution is assigned to the first agency and not to the agency who has executed only as labour supply contractor. Further, BHEL reserves the right to ask for any other proof for the said job.



General condition of Contract-Rev. 03G

	b) However, if the same is on account of subletting, part of scope by one agency to another agency in a project of BHEL, experience of both the agencies may be considered for the sublet portion of the work provided subletting has been done with the approval of BHEL.
1.6.3	In case the qualifying experience is claimed by bidder is based on 'Work Order' and 'Experience Certificates' from any organization other than BHEL (main agency), then it shall be the responsibility of the bidder to submit (in addition to the experience certificate from main agency) relevant certificate regarding qualifying experience from the end Customer or the Turnkey-Contractor (if any) who has awarded the work to main agency, as a proof for having executed subject qualifying work. BHEL reserves the right to ask for any other proof for the said job.
1.6.4	Assessing Bidder's Capacity for executing the current tender shall be as per Notice Inviting Tender.
1.6.5	Price Bids of shortlisted bidders shall only be opened through the electronic price bid opening with/without Reverse Auction, at the discretion of BHEL. Unless specified otherwise in the tender, the L1 bidder amongst all the shortlisted bidders shall be considered for award. However, the L1 bidder shall have no claim on the award & BHEL reserves the right to award the tender at its sole discretion.
1.6.6	Price Bids of unqualified bidders shall not be opened. Reasons for rejection shall be intimated in due course either through system generated e-mail or through letter/e-mail after award to successful bidder.
1.6.7	Bidders are advised to also refer to clause no. 2.9.4 regarding evaluation of their performance in ongoing projects.
1.7 Data to be enclosed	
	<i>Full information shall be given by the tenderer in respect of the following. Non-submission of this information may lead to rejection of the offer.</i>
i	INCOME TAX PERMANENT ACCOUNT NUMBER Certified copies of Permanent Account Numbers as allotted by Income Tax Department for the Company/Firm/Individual Partners etc. shall be furnished along with tender.
ii	ORGANIZATION CHART The organization chart of the tenderer's organization, including the names, addresses and contact information of the Directors/Partners shall be furnished along with the offer.
iii	An attested copy of the Power of Attorney, in case the tender is signed by an individual other than the sole proprietor.
iv	IN CASE OF INDIVIDUAL TENDERER: His / her full name, address, PAN and place & nature of business.
v	IN CASE OF PARTNERSHIP FIRM: The names of all the partners and their addresses, copy of the partnership deed/instrument of partnership duly certified by the Notary Public shall be enclosed.
vi	IN CASE OF COMPANIES:
a)	Date and place of registration including date of commencement certificate in case of Public Companies (certified copies of Memorandum and articles of Association are also to be furnished).
b)	Nature of business carried on by the Company and the provisions of the Memorandum relating thereof.
1.8 Authorization and attestation	
	Tenders shall be signed by a person duly authorized/empowered to do so, for which a Power of Attorney is to be submitted along with the tender offer. For company, a Power of Attorney (as per format in Annexure-15) shall be submitted.

General condition of Contract-Rev. 03G

1.9 Earnest Money Deposit	
	BANK DETAILS FOR EMD & PERFORMANCE SECURITY SUBMISSION: For Electronic Fund Transfer the details are as below: a) Name of the Beneficiary: Bharat Heavy Electricals Limited b) Bank Particulars Name of the Company - BHARAT HEAVY ELECTRICALS LTD. Address of the company – Fabrication, Stamping & Insulator Plant (FSIP), Industrial Area, Jagdishpur Name of the bank –State Bank of India Bank branch – IGFCC-BRANCH, I A Jagdishpur City: Amethi-227817 Branch code - Account Number – 10405292240 Account type – Cash Credit IFSC code - SBIN0009072
1.9.1	Every tender must be accompanied by the prescribed amount of Earnest Money Deposit (EMD) in the manner described herein.
i)	EMD shall be furnished before tender opening / along with the offer in full as per the amount indicated in the NIT.
ii)	The EMD up to an amount of Rs. 2 Lakh is to be paid only in the following forms:
a)	Cash deposit as permissible under the extant Income Tax Act (before tender opening).
b)	Electronic Fund Transfer credited in BHEL account (before tender opening).
c)	Banker's cheque / Pay order / Demand draft, in favour of 'Bharat Heavy Electricals Limited' and payable at Regional HQ issuing the tender (along with offer).
d)	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) duly marking lien in favour for BHEL (along with offer). The Fixed Deposit in such cases shall be valid for at least six months from the due date of tender submission.
e)	Insurance Surety Bonds
f)	In case EMD amount is more than Rs. Two Lakhs, Tenderer has the option to submit the amount in excess of Rs. Two lakhs in the forms described above in clause no. 1.9.1. ii) (a) to (e) or in the form of Bank Guarantee from Scheduled Bank (along with the Offer). The Bank Guarantee in such cases shall be valid for at least six months from the due date of tender submission. The Bank Guarantee format for EMD shall be in the prescribed formats.
iii)	No other form of EMD remittance shall be acceptable to BHEL.
iv)	Proof of EMD: Bidder shall upload the scanned copy of EMD along with bid submission through BHEL e-procurement Portal. However, for the purpose of realization, the bidder shall send the demand draft/ banker's cheque/ pay order/ Bank Guarantee/ FDR/ Insurance Surety Bonds, in original, to the designated officer through post/courier or by hand within reasonable time.
1.9.2	EMD by the Tenderer will be forfeited as per NIT conditions, if: a) After opening the tender and within the offer validity period, the tenderer revokes his tender or makes any modification in his tender which is not acceptable to BHEL or b) The successful Contractor, on whom the work has been awarded, fails to deposit the required Security deposit or commence the work within the period as per LOI/ LOA/ Contract or refuse to accept the LOI/LOA/Contract.
1.9.3	EMD by the tenderer shall be withheld in case any action on the tenderer is envisaged under the provisions of extant "Guidelines on Suspension of business dealings with



General condition of Contract-Rev. 03G

	suppliers/ contractors” of BHEL and forfeited/ released based on the action as determined under these guidelines.
1.9.4	EMD shall not carry any interest.
1.9.5	EMD given by all unsuccessful tenderers shall be refunded normally within fifteen days of award of work.
1.9.6	Cash portion of EMD of successful tenderer will be retained as part of Security Deposit. EMD submitted in the form of Bank Guarantee/ FDR shall be retained by BHEL until the receipt of the Security Deposit.
1.10 Security Deposit	
1.10.1	Upon acceptance of Tender, the successful bidder shall be required to deposit as follows as Security Deposit towards fulfilment of any obligations in terms of the provisions of the contract. a. Works/service contract: The total amount of Security Deposit will be 10% of the total works/service contract value. b. Framework agreement: The total amount of Security Deposit will be 5% of the total FA Value. Case-I: Input tax credit is available to BHEL: Contract value means Total price excluding GST for cases where Input tax credit is available to BHEL. Case –II: Input tax credit is not available to BHEL: Contract value means Total price including GST for cases where input tax credit is not available to BHEL.
1.10.2	The Security Deposit shall be furnished before start of the work by the contractor.
1.10.3	The required Security Deposit may be accepted in the following forms.
i)	Cash (as permissible under the extant Income Tax Act).
ii)	Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL.
iii)	Securities available from Indian Post offices such as National Savings 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).
iv)	Bank Guarantee from Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format for Security Deposit shall be in the prescribed formats.
v)	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). Specific lien in favour of BHEL on the FDR shall be marked and letter from the Bank having created such lien in the format shall be submitted along with FDR.
vi)	Insurance Surety Bonds.
	Note:
i.	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.
ii.	In case of delay in submission of Security Deposit, enhanced security deposit which would include interest (Repo rate + 4%) for the delayed period, shall be submitted by the bidder before submission of first bill
1.10.4	The Security Deposit shall not carry any interest.
1.10.5	In case the value of work exceeds the awarded / accepted value, the Security Deposit shall be correspondingly enhanced as given below:
i)	The enhanced part of the Security Deposit shall be immediately deposited by the Contractor or adjusted against payments due to the Contractor.

General condition of Contract-Rev. 03G

ii)	Contract value for the purpose of operating the increased value of Security Deposit due to Quantity Variation, shall be exclusive of Price Variation Clause, Over Run Compensation and Extra works done on man-day rates.
iii)	The recoveries made from running bills can be released against submission of equivalent Bank Guarantee in acceptable form, but only once, before completion of work, with the approval of competent authority of BHEL.
1.10.6	The validity of Bank Guarantees towards Security Deposit shall be valid till actual completion of work + 2 months.
1.10.7	BHEL reserves the right of forfeiture of Security Deposit in addition to other claims, damages and remedies in the event of the Contractor's failure to fulfil any of the contractual obligations or in the event of termination of contract as per terms and conditions of contract. BHEL reserves the right to set off the Security Deposit against any claims of other contracts with BHEL by giving prior notice to the contractor.
1.11 Return of security deposit	
	Security Deposit shall be released to the contractor upon fulfilment of contractual obligations as per terms of the contract including completion of Guarantee Period after deducting all expenses / other amounts due to BHEL under the contract.
1.12 Bank Guarantees	
	Where ever Bank Guarantees are to be furnished/submitted by the contractor, the following shall be complied with
i)	Bank Guarantees shall be from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. Bank Guarantees issued by Co-Operative Banks/ Financial Institutions shall not be accepted.
ii)	The Bank Guarantees shall be as per prescribed formats.
iii)	It is the responsibility of the bidder to get the Bank Guarantees revalidated/extended for the required period as per the advice of BHEL FSIP WCC Executive. BHEL shall not be liable for issue of any reminders regarding expiry of the Bank Guarantees.
iv)	In case extension/further extensions of any Bank Guarantees are not required, the bidders shall ensure that the same is explicitly endorsed by BHEL FSIP executive and submitted to BHEL FSIP WCC.
v)	In case the Bank Guarantees are not extended before the expiry date, BHEL reserves the right to invoke the same by informing the concerned Bank in writing, without any advance notice/communication to the concerned bidder.
vi)	Bidders to note that any corrections to Bank Guarantees shall be done by the issuing Bank, only through an amendment in an appropriate non judicial stamp paper.
vii)	The Original Bank Guarantee shall be submitted to BHEL FSIP Works Contract Cell (WCC).
1.13 Validity of offer	
	The rates in the Tender shall be kept open for acceptance for a minimum period of 90 days from latest due date of offer submission (including extension, if any). In case BHEL (Bharat Heavy Electricals Ltd) calls for negotiations, such negotiations shall not amount to cancellation or withdrawal of the original offer which shall be binding on the tenderers.
1.14 Execution of contract agreement	
	The successful tenderer's responsibility under this contract commences from the date of issue of the Letter of Award by Bharat Heavy Electricals Limited.
	The successful tenderer shall be required to execute an agreement in the prescribed form, with BHEL, within a reasonable time after the acceptance of the Letter of Award, and in any case before releasing the first running bill. The contract agreement shall be signed by a person duly authorized/empowered by the tenderer.
1.15 Rejection of tender and other conditions	



General condition of Contract-Rev. 03G

1.15.1	The acceptance of tender will rest with BHEL which does not bind itself to accept the lowest tender nor any tender and reserves to itself full rights for the following without assigning any reasons whatsoever: - a) To reject any or all of the tenders. b) To split up the work amongst two or more tenderers as per NIT. c) To award the work in part if specified in NIT. d) In case of either of the contingencies stated in (b) and (c) above, the time for completion as stipulated in the tender shall be applicable.
1.15.2	Conditional tenders, unsolicited tenders, tenders which are incomplete or not in the form specified or defective or have been materially altered or not in accordance with the tender conditions, specifications etc. are liable to be rejected.
1.15.3	Tenders are liable to be rejected in case of unsatisfactory performance of the tenderer with BHEL or tenderer under suspension (debarred) by any unit / region / division of BHEL or tenderers who do not comply with the latest guidelines of Ministry/Commissions of Govt of India. BHEL reserves the right to not consider a bidder for further processing of tender in case it is observed that they are overloaded and may not be in a position to execute this job as per the required schedule in STC. The decision of BHEL will be final in this regard.
1.15.4	If a tenderer who is a proprietor expires after the submission of his tender or after the acceptance of his tender, BHEL may at their discretion, cancel such tender. If a partner of a firm expires after the submission of tender or after the acceptance of the tender, BHEL may then cancel such tender at their discretion, unless the firm retains its character. In case BHEL resolves to cancel the tender under this clause, BHEL will issue a notice in this regard containing reasons as to the cancellation of tender. The contractor shall be required to furnish his response to such notice within a period of 14 days from the date of receipt of such notice through any means (BHEL reserves the right to decrease the period upto 05 days). BHEL after due consideration of the representation made by contractor shall communicate its final decision within a reasonable period. In case contractor fails to submit any response to the notice issued by BHEL within the period stipulated in the notice, BHEL at its discretion may proceed to cancel the contract. Contractor shall not be eligible for any compensation whatsoever for the cancellation of contract under this clause
1.15.5	BHEL will not be bound by any Power of Attorney granted by changes in the composition of the firm made subsequent to the execution of the contract. BHEL may, however, recognize such power of Attorney and changes after obtaining proper legal advice, the cost of which will be chargeable to the contractor concerned.
1.15.6	If the tenderer deliberately gives wrong information in his tender, BHEL reserves the right to reject such tender at any stage or to cancel the contract if awarded and forfeit the Earnest Money/Security Deposit/any other money due.
1.15.7	Canvassing in any form in connection with the tenders submitted by the Tenderer shall make his offer liable to rejection.
1.15.8	In case the Proprietor, Partner or Director of the Company/Firm submitting the Tender, has any relative or relation employed in BHEL, the authority inviting the Tender shall be informed of the fact as per specified format, along with the Offer. Failing to do so, BHEL may, at its sole discretion, reject the tender or cancel the contract and forfeit the Earnest Money/Security Deposit.
1.15.9	The successful tenderer (Contractor) shall not sub-contract any portion of work detailed in the tender specification undertaken by him without written permission of BHEL's



General condition of Contract-Rev. 03G

	Executive in charge. BHEL, at its discretion, may consider the written request from the Contractor and permit subletting of part scope. However, the Contractor is solely responsible to BHEL for the work awarded to him.
1.15.10	The Tender submitted by a techno commercially qualified tenderer shall become the property of BHEL who shall be under no obligation to return the same to the bidder.
1.15.11	blank
1.15.12	BHEL shall not be liable for any expenses incurred by the bidder in the preparation of the tender irrespective of whether the tender is accepted or not.
1.16 Intimation of change of name/ re-constitution of the organization	
	In the event of the organization (Proprietorship/Partnership/Company) undergoing any change of name or reconstitution, prior intimation of the same shall be given to BHEL. Upon such changes coming into effect, the same is to be intimated to BHEL immediately with supporting documents as applicable.
Chapter-2	
2.1 DEFINITION:	
	The following terms shall have the meaning hereby assigned to them except where the context otherwise requires
1.	BHEL shall mean Bharat Heavy Electricals Limited, a company registered under Indian Companies Act 1956, having its Registered Office at BHEL HOUSE, SIRI FORT, NEW DELHI – 110 049, and its office at BHEL FSIP Jagdishpur, Dist. Amethi (UP), 227817.
2.	EXECUTIVE DIRECTOR” or “GENERAL MANAGER (In- charge)” or “GENERAL MANAGER” shall mean the Officer in Administrative charge of the respective UNIT/Power Sector Region.
3.	COMPETENT AUTHORITY” shall mean BHEL Officers who are empowered to act on behalf of BHEL.
4.	ENGINEER” or “ENGINEER IN CHARGE” shall mean an Officer of BHEL as may be duly appointed and authorized by BHEL to act as “Engineer” on his behalf for the purpose of the Contract, to perform the duty set forth in this General Conditions of Contract and other Contract documents. The term also includes ‘CONSTRUCTION MANAGER’ or ‘SITE INCHARGE’ as well as Officers at Site or at the Headquarters of the respective Power Sector Regions. For the purpose of joint measurement, verification, certification and/ or approval of the work and/ or documents under the contract the word “Engineer” or “Engineer Incharge” shall be deemed to include the Engineers of the Customer and/ or his Consultant also.
5.	“SITE” shall mean the places or place at which the plants/equipments are to be erected and services are to be performed as per the specification of this Tender.
6.	CLIENT OF BHEL” or “CUSTOMER” shall mean the project authorities with whom BHEL has entered into a contract for supply of equipments or provision of services.
7.	“CONTRACTOR” shall mean the successful Bidder/Tenderer who is awarded the Contract and shall include the Contractor’s successors, heirs, executors, administrators and permitted assigns.
8.	“CONTRACT” or “CONTRACT DOCUMENT” shall mean and includes the Agreement or Work Order, the accepted appendices of Rates, Schedules, Quantities if any, Offer submitted by contractor including acceptance to General Conditions of Contract, Special Conditions of Contract, Instructions to the Tenderers, Drawings, Technical Specifications, the Special Specifications if any, the Tender documents, subsequent amendments /corrigendum to Tender mutually agreed upon and the Letter of Intent/Award/Acceptance issued by BHEL. Any conditions or terms stipulated by the contractor in the tender documents or subsequent letters shall not form part of the contract unless, specifically accepted in writing by BHEL in the Letter of Intent/Award and incorporated in the agreement or amendment thereof.

General condition of Contract-Rev. 03G

9.	"GENERAL CONDITIONS OF CONTRACT" shall mean the 'Instructions to Tenderers' and 'General Conditions of Contract' pertaining to the work for which above tenders have been called for.
10.	"TENDER SPECIFICATION" or "TENDER" or "TENDER DOCUMENTS" shall mean General Conditions, Common Conditions, Special Conditions, Price Bid, Rate Schedule, Technical Specifications, Appendices, Annexures, Corrigendums, Amendments, Forms, Procedures, Site information etc. and drawings/documents pertaining to the work for which the tenderers are required to submit their offers. Individual specification number will be assigned to each Tender Specification.
11.	"LETTER OF INTENT/ AWARD" shall mean the intimation by a Letter/Fax/email to the tenderer that the tender has been accepted in accordance with provisions contained in the letter. The responsibility of the contractor commences from the date of issue of this letter and all terms and conditions of the contract are applicable from this date.
12.	"COMPLETION TIME" shall mean the period by 'date/month' specified in the 'Letter of Intent/Award' or date mutually agreed upon for handing over of the intended scope of work, the erected equipment/plant which are found acceptable by the Engineer, being of required standard and conforming to the specifications of the Contract.
13.	"PLANT" shall mean and connote the entire assembly of the plant and equipments covered by the contract.
14.	"EQUIPMENT" shall mean equipment, machineries, materials, structural, electricals and other components of the plant covered by the contract.
15.	"TESTS" shall mean and include such test or tests to be carried out on the part of the contractor as are prescribed in the contract or considered necessary by BHEL in order to ascertain the quality, workmanship, performance and efficiency of the contractor or part thereof.
16.	"APPROVED", "DIRECTED" or "INSTRUCTED" shall mean approved, directed or instructed by BHEL.
17.	"WORK or CONTRACT WORK" shall mean and include supply of all categories of labour, specified consumables, tools and tackles and Plants required for complete and satisfactory site transportation, handling, stacking, storing, erecting, testing and commissioning of the equipments to the entire satisfaction of BHEL.
18.	"SINGULAR AND PLURALS ETC" words carrying singular number shall also include plural and vice versa, where the context so requires. Words imparting the masculine Gender shall be taken to include the feminine Gender and words imparting persons shall include any Company or Associations or Body of Individuals, whether incorporated or not.
19.	"HEADING" – The heading in these General Conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken as instructions thereof or of the contract.
20.	"MONTH" shall mean calendar month unless otherwise specified in the Tender.
21.	'Day' or 'Days' unless herein otherwise expressly defined shall mean calendar day or days of twenty-four (24) hours each. A Week shall mean continuous period of seven (7) days.
22.	"COMMISSIONING" shall mean the synchronization testing and achieving functional operation of the Equipment with associated system after all initial adjustments, trials, cleaning, re-assembly required at site if any, have been completed and Equipment with associated system is ready for taking into service.
23.	"WRITING" shall include any manuscript type written or hand written or printed statement or electronically transmitted messages, under the signature or seal or transmittal of BHEL.



General condition of Contract-Rev. 03G

24.	"TEMPORARY WORK" shall mean all temporary works for every kind required in or for the execution, completion, maintenance of the work.
25.	'CONTRACT PRICE' or 'CONTRACT VALUE' shall mean the sum mentioned in the LOI/LOA/Contract Agreement subject to such additions thereto or deductions there from as may be made under provisions hereinafter contained.
26.	'EXECUTED CONTRACT VALUE' shall mean actual value of works executed by the contractor and certified by BHEL. This value shall not include PVC, ORC, Extra Works and Taxes.
27.	"COMMENCEMENT DATE" or "START DATE" shall mean the commencement/start of work at Site as per terms defined in the Tender.
28.	"SHORT CLOSING" or "FORE CLOSING" of Contract shall mean the premature closing of Contract, for reasons not attributable to the contractor and mutually agreed between BHEL and the contractor.
29.	"TERMINATION" of Contract shall mean the pre mature closing of contract due to reasons as mentioned in the contract.
30.	"DE MOBILIZATION" shall mean the temporary winding up of Site establishment by Contractor leading to suspension of works temporarily for reasons not attributable to the contractor.
31.	"RE MOBILIZATION" shall mean the resumption of work with all resources required for the work after demobilization.
32.	"OVERRUN CHARGES (ORC)" shall mean and include all the costs incurred by the Contractor during the extended period of the contract, including but not limited to any cost arising out of idle labour, administrative cost, T & P and machinery.



General condition of Contract-Rev. 03G

2.2 Law Governing The Contract	
The Contract shall be governed by the Laws of India and shall be operated complying with all the relevant Acts / Rules / Regulations implemented / to be implemented by the Govt. of India / Various State Governments / Union territories regarding road transportation as amended from time to time.	
2.3 Issue of notice	
2.3.1	Service of notice to the Contractor Any notice to be given to the Contractor under the terms of the contract shall be served by sending the same by Email/ Registered Post/Speed Post to or leaving the same at the Contractor's last known address of the principal place of business (or in the event of the contractor being a company, to or at its Registered Office). In case of change of address, the notice shall be served at changed address as notified in writing by the Contractor to BHEL. Such dispatch or display posting or leaving of the notice as the case may be shall be deemed to be good service of such notice and the time mentioned to the condition for doing any act after notice shall be reckoned from the date so mentioned in such notice.
2.3.2	Service of notice to on BHEL Any notice to be given to BHEL In-charge of the Region under the terms of the Contract shall be served by sending the same by Registered/AD or Speed post to BHEL address or changed address as notified in writing by BHEL to the Contractor.
2.4 Use of land	
No land belonging to BHEL or their Customer under temporary possession of BHEL shall be occupied by the contractor without written permission of BHEL.	
2.5 Commencement of work	
2.5.1	The contractor shall commence the work as per the time indicated in the Letter of Intent/Award from BHEL and shall proceed with the same with due expedition without delay.
2.5.2	If the contractor fails to start the work within stipulated time as per LOI/ LOA or as intimated by BHEL, then BHEL at its sole discretion shall have the right to cancel the contract. The Earnest Money and/or Security Deposit furnished by the contractor to under this tender will stand forfeited without any further reference to him and without prejudice to BHEL's other rights and remedies under this contract and the applicable laws in this regard.
2.5.3	All the work shall be carried out under the direction and to the satisfaction of BHEL.
2.6 Terms of Payment	
A	- All payments due to the contractors shall be made by e mode only, unless otherwise found operationally difficult for reasons to be recorded in writing and approved by contract executing department. For progress running bill payments: - The Contractor shall present detailed measurement sheets in triplicate, duly indicating all relevant details based on technical documents and connected drawings for work done during the month/period under various categories in line with terms of payment as per contract. The basis of arriving at the quantities, weights shall be relevant documents and drawings released by BHEL. These measurement sheets shall be prepared jointly with BHEL Engineers and signed by both the parties. - These measurement sheets will be checked by BHEL Engineer and quantities and percentage eligible for payment under various groups shall be decided by BHEL Engineer. The abstract of quantities and percentage so arrived at based on the terms of payment shall be entered in Measurement Book and signed by both the parties.



General condition of Contract-Rev. 03G

	4. 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. 5. 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. 6. Measurement shall be restricted to that portion of work for which it is required to ascertain the financial liability of BHEL under this contract. 7. The measurement shall be taken jointly by persons authorized on the part of BHEL and by the Contractor. 8. 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. 9. 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. 10. Passing of bills covered by such measurements does not amount to acceptance of the completion of the work measured. Any left out work has to be completed, if pointed out at a later date by BHEL. Final measurement bill shall be prepared in the final bill format prescribed for the purpose based on the certificate issued by BHEL Engineer that entire works as stipulated in tender specification has been completed in all respects to the entire satisfaction of BHEL. The Contractor shall submit the final bill in line with WAM 7 format as per tender documents with an additional recording of the dispute, if any and shall sign with the following declaration: I/ We hereby certify that I/We have performed the work as per the terms and conditions of Contract Agreement/Work Order No.....dated.....for which payment is claimed as above and that I/We have no further claim under this agreement/work order* except for the following (nature of claim with details & amount claimed, if any. NIL may be mentioned if there are no further claims). – a)..... b)..... c) It is agreed that the authorized signatory of Contractor shall necessarily record his claims/ dispute in Form WAM 7 only and any claim(s)/ dispute in any other form/ letter shall not be taken cognizance of by BHEL and admissible before any forum. BHEL shall make the payment of undisputed amount within the stipulated time without any unreasonable delay. All the tools and tackles loaned to him should be returned in satisfactory condition to BHEL. The abstract of final quantities and financial values shall also be entered in the Measurement Books and signed by both parties to the contract. The Final Bill shall be prepared and paid within a reasonable time after completion of work. (Refer Clause No 2.23 also for Running bills)
B	For Service Point Contract: The payment under the service contract shall be made on monthly basis as per the agreed rates only after the completion of the services as per scope of work and after complying / ensuring all the statutory / contractual obligations.



General condition of Contract-Rev. 03G

C	Payment Timeline: For non MSME Bidders, 100% payment shall be released within 90 days from the date of acknowledged receipt & acceptance of material/Work/Service at site and submission of billing documents. For MSE Bidders, 100% payment shall be released within 45 days from the date of acknowledged receipt & acceptance of material/Work/Service at site and submission of billing documents. For MEDIUM ENTERPRISES Bidders, 100% payment shall be released within 60 days upon receipt & acceptance of material/Work/Service at site and submission of billing documents. *MSE/MEDIUM benefit as per above will not be applicable for Traders/Distributor/Sole agent/Works Contract.
2.7 Rights of BHEL	
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. 2.7.1 To withdraw any portion of work and/or to restrict/alter quantum of work as indicated in the contract during the progress of work and get it done through other agencies to fulfil BHEL's commitment to its customer or the date of completion is advance due to other emergent reasons/ BHEL's obligation to its customer. Where the contractor fails to deploy adequate manpower to meet the contractual target, BHEL reserves the right to deploy manpower to meet such shortfall, through any other agency for expediting activities in the interest of the project. Supplied manpower shall be put on job by the contractor. Fulfilling of all obligations towards payments and other statutory compliances related to such manpower shall be the contractor's responsibility. In case of contractor's failure to fulfil his obligations in respect of such manpower, BHEL shall be entitled to take action as provided herein. 2.7.2 Breach of Contract, Remedies and Termination 2.7.2.1 The following shall amount to breach of contract: - Non-supply of material/ non-completion of work by the Supplier/Vendor within scheduled delivery/ completion period as per contract or as extended from time to time. - The Supplier/Vendor fails to perform as per the activity schedule and there are sufficient reasons even before expiry of the delivery/ completion period to justify that supplies shall be inordinately delayed beyond contractual delivery/ completion period. - The Supplier/Vendor delivers equipment/ material not of the contracted quality - The Supplier/Vendor fails to replace the defective equipment/ material/ component as per guarantee clause. - Withdrawal from or abandonment of the work by the Supplier/Vendor before completion as per contract. - Assignment, transfer, subletting of Contract by the Supplier/Vendor without BHEL's written permission resulting in termination of Contract or part thereof by BHEL. - Non-compliance to any contractual condition or any other default attributable to Supplier/Vendor. - Any other reason(s) attributable to Vendor towards failure of performance of contract. In case of breach of contract, BHEL shall have the right to terminate the Purchase Order/	

General condition of Contract-Rev. 03G

Contract either in whole or in part thereof without any compensation to the Supplier/Vendor.

- ix. Any of the declarations furnished by the contractor at the time of bidding and/ or entering into the contract for supply are found untruthful and such declarations were of a nature that could have resulted in non-award of contract to the contractor or could expose BHEL and/ or Owner to adverse consequences, financial or otherwise.
- x. Supplier/Vendor is convicted of any offence involving corrupt business practices, antinational activities or any such offence that compromises the business ethics of BHEL, in violation of the Integrity Pact entered into with BHEL has the potential to harm the overall business of BHEL/ Owner.

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

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

LD against delay in executed work in case of Termination of Contract:

LD against delay in executed work shall be calculated in line with LD clause no. 2.7.9 of GCC, for the delay attributable to contractor. For limiting the maximum value of LD, contract value shall be taken as Executed Value of work till termination of contract.

Method for calculation of "LD against delay in executed work in case of termination of contract" is given below.

- i). Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor = T1
- ii) Let the value of executed work till the time of termination of contract = X
- iii) Let the Total Executable Value of work for which inputs/fronts were made available to contractor and were planned for execution till termination of contract = Y
- iv) Delay in executed work attributable to contractor i.e. $T2 = [1 - (X/Y)] \times T1$
- v). LD shall be calculated in line with LD clause (clause 2.7.9 of GCC) of the Contract for the delay attributable to contractor taking "X" as Contract Value and "T2" as period of delay attributable to contractor.

2.7.2.2 Remedies in case of Breach of Contract.

- i. Wherein the period as stipulated in the notice issued under clause 2.7.2.1 has expired and Contractor has failed to remedy the breach, BHEL will have the right to terminate the contract on the ground of "Breach of Contract" without any further notice to contractor.
- ii. Upon termination of contract, BHEL shall be entitled to recover an amount equivalent to 10% of the Contract Value for the damages on account of breach of contract committed by the Contractor. This amount shall be recovered by way of encashing the security instruments like performance bank guarantee etc available with BHEL against the said contract. In case the value of the security instruments available is less than 10% of the contract value, the balance amount shall be recovered from other financial remedies (i.e. available bills of the contractor, retention amount, from the money due to the Contractor etc. with BHEL) or the other legal remedies shall be pursued.

General condition of Contract-Rev. 03G

iii. wherever the value of security instruments like performance bank guarantee available with BHEL against the said contract is 10% of the contract value or more, such security instruments to the extent of 10% contract value will be encashed. In case no security instruments are available or the value of the security instruments available is less than 10% of the contract value, the 10% of the contract value or the balance amount, as the case may be, will be recovered in all or any of the following manners: iv. In case the amount recovered under sub clause (a) above is not sufficient to fulfil the amount recoverable then; a demand notices to deposit the balance amount within 30 days shall be issued to Contractor. v. If Contractor fails to deposit the balance amount within the period as prescribed in demand notice, following action shall be taken for recovery of the balance amount: a) from dues available in the form of Bills payable to defaulted Contractor against the same contract. b) If it is not possible to recover the dues available from the same contract or dues are insufficient to meet the recoverable amount, balance amount shall be recovered from any money(s) payable to Contractor under any contract with other Units of BHEL including recovery from security deposits or any other deposit available in the form of security instruments of any kind against Security deposit or EMD. c) In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against defaulted Contractor. vi. It is an agreed term of contract that this amount shall be a genuine pre-estimate of damages that BHEL would incur in completion of balance contractual obligation of the contract through any other agency and BHEL will not be required to furnish any other evidence to the Contractor for the purpose of estimation of damages. vii. In addition to the above, imposition of liquidated damages, debarment, termination, de-scoping, short-closure, etc., shall be applied as per provisions of the contract. Note: 1 The defaulting contractor shall not be eligible for participation in any of the future enquiries floated by BHEL to complete the balance work. The defaulting contractor shall mean and include: a. In case defaulted contractor is the Sole Proprietorship Firm, any Sole Proprietorship Firm owned by same Sole Proprietor. b. In case defaulted contractor is The Partnership Firm, any firm comprising of same partners/ some of the same partners (but not including any new partner); or sole proprietorship firm owned by any partner(s) as a sole proprietor. 2.7.3 In case Contractor fails to deploy the resources as per requirement informed by BHEL in writing to expedite the work, BHEL can deploy own/hired/otherwise arranged resources and recover the expenses incurred from the dues payable to contractor. Recoveries shall be actual expenses incurred plus 5% overheads or as defined in TCC. 2.7.4 To terminate the contract or to restrict the quantum of work and pay for the portion of work executed in case BHEL's contract with their customer are terminated for any reason, whatsoever. 2.7.5 Whenever any Claim or Claims for payment of any sum of money(s) arises under this or any other contract against the contractor, BHEL shall be entitled to withhold and also have a lien to retain such sum of money(s) in whole or in part from any money(s) payable to contractor and/or security deposits furnished or deducted in cash from the bills of contractor, (if any) under this contract. In the event of the securities or the amounts payable to Contractor, being insufficient to cover BHEL claims, then BHEL shall be entitled to withhold and have a lien to the extent of such claims from any sum or sums found payable or which at any time thereafter may become payable to the contractor under this or any other contract with BHEL.



General condition of Contract-Rev. 03G

- a. Claim or Claims for payment of any sum of money(s) arising from the Contractor under this or any other contract against the contractor, shall mean, the sum of money(s) actually incurred by BHEL in fulfilling the contractual responsibilities of contractor under the contract, to which he has failed to fulfil plus applicable overheads (@ 5%) along with interest as applicable under the Contract on total amount (i.e. money actually incurred plus overheads).
 - b. It is an agreed term of the contract that, the sum or sums of money so withheld or retained under the lien by BHEL will be kept withheld or retained as such by BHEL till the claims arising out of this or any other contract are finally adjudicated wither through Arbitration or a Court of competent jurisdiction as the case may be in accordance with the terms of contract. Intimation given by the BHEL Engineer regarding withholding of such money(s) shall be considered as sufficient and relevant date for all purposes. No Interest shall be payable on such sum(s) of money which becomes due or as the case may be adjudged to be due from BHEL to Contractor, whether under contract or otherwise.
 - c. Where the contractor is a partnership firm, BHEL shall be entitled to withhold and also have a lien to retain towards such claims in whole or in part, from any other money(s) payable to any partner, whether in his individual capacity or otherwise.
 - d. If any money(s) shall, as a result of any claim or application made under the relevant provisions of any Labour Welfare Act and/ or Rules, including but not limited to Contract Labour Regulation & Abolition Act, Minimum Wages Act, Payment of Gratuity Act, BOCW (RE&CS) Act, Provident Fund Act, Employee State Insurance Act, be directed to be paid by the BHEL, such money shall be deemed to be moneys payable to the BHEL by the Contractor.
 - e. Where the Contractor fails to repay to BHEL such moneys along with applicable overheads (@ 5%) and interest, as aforesaid within seven days of being demanded, BHEL shall be entitled to recover the same from Contractor's bills/ Security Deposit or any other money(s) payable to Contractor under this Contract or any other Contract with BHEL.
- 2.7.6 While every endeavour will be made by BHEL to this end, yet BHEL cannot guarantee uninterrupted work due to conditions beyond its control. The Contractor will not be normally entitled for any compensation/extra payment on this account unless otherwise specified elsewhere in the contract.
- 2.7.7 BHEL may permit or direct contractor to demobilize and remobilize at a future date as intimated by BHEL in case of following situations for reasons other than Force majeure conditions and not attributable to contractor:
- i) suspension of work(s) at a Project either by BHEL or Customer,
 - or**
 - ii) where work comes to a complete halt or reaches a stage wherein worthwhile works cannot be executed and there is no possibility of commencement of work for a period of not less than three months
- In such cases, charges towards demobilization and remobilization shall be as decided by BHEL after successful remobilization by contractor at site, and decision of BHEL shall be final and binding on the contractor. After remobilization, all conditions as per contract shall become applicable. In case Contractor does not remobilize with adequate resources or



General condition of Contract-Rev. 03G

does not start the work within the period as intimated, then BHEL reserves the right to terminate the contract and effect remedies under Clause 2.7.2.2. In case of any conflict, BHEL decision in this regard shall be final and binding on the contractor.

2.7.8 In the unforeseen event of inordinate delay in receipt of materials, drawings, fronts etc. due to which inordinate discontinuity of work is anticipated, BHEL on its own or contractor's request at its discretion may consider to short close the contract in any of the following cases:

- a. The balance works (including but not limited to Trial Operation, PG Test etc.) are minor vis a vis the scope of work envisaged as per the contract.
- b. There has been no significant work in past 6 months OR no significant work is expected in next 6 months (example in Hydro projects or in projects where work has stopped due to reasons beyond the control of BHEL).
- c. The balance works cannot be done within a reasonable period of time as they are dependent on unit shut down or on other facilities of customer or any other such reasons not attributable to the contractor.

At the point of requesting for short closure, contractor shall establish that he has completed all works possible of completion and he is not able to proceed with the balance works due to constraints beyond his control. In such a case, the estimated value of the unexecuted portion of work (or estimated value of services to be provided for carrying out milestone/stage payments like Trial Operation/PG Test etc.) as decided by BHEL, shall however be reduced from the final contract value.

Note: The Contractor shall not be eligible for any compensation on account of Quantity Variation arising out of short-closure of contract as per clause no. 2.7.8 (b) above.

2.7.9 LIQUIDATED DAMAGES

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.

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.

Liquidated Damages shall be calculated in the manner stipulated hereinafter:

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.

Grant of any provisional time extension shall by no means be considered as waiver of BHEL rights under the contract or law.

After the completion of work, duly certified by Engineer Incharge, 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 elsewhere in the contract).



General condition of Contract-Rev. 03G

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

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, per week of delay or part thereof subject to a maximum of 10% of the contract value.

- (d) Contract Value for this purpose, shall be the final executed value exclusive of ORC, Extra Works executed on Man-day rate basis, Supplementary/ Additional Items and PVC. Before levying LD, the contractor shall be duly intimated the amount and reasons thereof for imposition of LD.

2.8 Responsibilities of the Contractor In Respect of Local Laws, employment of Workers etc.

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

- 2.8.1 As far as possible, Unskilled Workers shall be engaged from the local areas in which the work is being executed.
- 2.8.2 The contractor at all times during the continuance of this contract shall, in all his dealings with local labour for the time being employed on or in connection with the work, have due regard to all local festivals and religious and other customs.
- 2.8.3 The contractor shall comply with all applicable State and Central Laws, Statutory Rules, Regulations, Notifications etc. such as Payment of Wages Act, Minimum Wages Act, Workmen Compensation Act, Employer's Liability Act, Industrial Disputes Act, Employers Provident Fund and Miscellaneous Provisions Act, 1952, Employees State Insurance Scheme, Contract Labour (Regulation and Abolition) Act, 1970, Payment of Bonus & Gratuity Act, Building and Other Construction Workers (Regulation of Employment and Conditions of Service) Act 1996, The Building and Other Construction Workers' Welfare Cess Act 1996 and other Acts, Rules, and Regulations for labour/workers as applicable and as may be enacted by the State Government and Central Govt. during the tenure of the Contract and having force or jurisdiction at Site. The Contractor shall also comply with provisions of and give all such notices to the local Governing Body, Police and other relevant Authorities as may be required by the Law. The Contractor shall without any fail maintain all the registers/records in proper formats as per all the Acts, Rules and Regulations mentioned in this clause 2.8.3.
- 2.8.4 The Contractor shall obtain independent License under the Contract Labour (Regulations and Abolition) Act, 1970 for engaging contract labour as required from the concerned Authorities based on the certificate (Form- V or as applicable) issued by the Principal Employer/Customer.
- 2.8.5 The contractor shall pay and bear all taxes, fees, license charges, Cess, duties, deposits, tolls, royalties, commission or other charges which may be leviable on account of his operations in executing the contract.
- 2.8.6 While BHEL would pay the inspection fees and Registration fees of Boiler/Electrical Inspectorate, all other arrangements for site visits periodically by the Inspectorate to site, Inspection certificate etc. will have to be made by contractor. However, BHEL will not make



General condition of Contract-Rev. 03G

	any payment to the Inspectorate in connection with contractor's Welders/Electricians qualification tests etc.
2.8.7	Contractor shall be responsible for provision of Health and Sanitary arrangements (more particularly described in Contract Labour Regulation & Abolition Act), Safety precautions etc. as may be required for safe and satisfactory execution of contract.
2.8.8	The contractor shall be responsible for proper accommodation including adequate medical facilities for personnel employed by him.
2.8.9	The contractor shall be responsible for the proper behaviour and observance of all regulations by the staff employed by him.
2.8.10	The contractor shall ensure that no damage is caused to any person/property of other parties working at site/company" premises. If any such damage is caused, it is responsibility of the contractor to make good the losses or compensate for the same.
2.8.11	All the properties/equipment/components of BHEL/their Client/Customer loaned with or without deposit to the contractor in connection with the contract shall remain properties of BHEL/their Client/Customer.
2.8.12	The contractor shall use such properties for the purpose of execution of this contract. All such properties/equipments/components shall be deemed to be in good condition when received by the contractor unless he notifies within 48 hours to the contrary. The contractor shall return them in good condition as and when required by BHEL/their Client. In case of non-return, loss, damage, repairs etc. the cost thereof as may be fixed by BHEL Engineer will be recovered from the contractor.
2.8.13	In case the contractor is required to undertake any work outside the scope of this contract, the rates payable shall be those mutually agreed upon if the item rates are not mentioned in existing contract.
2.8.14	Any delay in completion of works/or non-achievement of periodical targets/or non-execution of contract due to the reasons attributable to the contractor, the same may have to be compensated by the contractor either by increasing manpower and resources or by working extra hours and/or by working more than one shift. All these are to be carried out by the contractor at no extra cost.
2.8.15	The contractor shall arrange, coordinate his work in such a manner as to cause no hindrance to other agencies working in the same premises.
2.8.16	All safety rules and codes applied by the Customer /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 construction tools and tackles shall be posted at site by the contractor till the completion of work under this contract.
	The contractor shall arrange for such safety devices as are necessary for such type of work and carry out the requisite site tests of handling equipment, lifting tools, tackles etc. as per prescribed standards and practices. Contractor has to ensure the implementation of Health, Safety and Environment (HSE) requirements as per directions given by BHEL/Customer. The contractor has to assist in HSE audit by BHEL/Customer and submit compliance Report. The contractor has to generate and submit record/reports as per HSE plan/activities as per instruction of BHEL/Customer.
2.8.17	The contractor shall be directly responsible for payment of wages to his workmen/labours before the expiry of seven days from the last day of wage period and to ensure disbursement



General condition of Contract-Rev. 03G

of wages in the presence of the representative from BHEL A pay roll sheet giving all the payments given to the workers and duly signed by the contractor's representative should be furnished to BHEL site for the purpose of maintaining the records for compliance,

Contractor shall create awareness amongst their workforce by helping & encouraging in opening bank accounts and to encourage them to adopt digital mode of transactions. While releasing wages/ salary to their workers/ supervisors/ staff, Contractor shall comply with the GOI's guidelines for maximizing such transactions through Non-Cash / digital means.

- 2.8.18 In case of any class of work for which there is no such specification as laid down in the contract, such work shall be carried out in accordance with the instructions and requirements of the Engineer.
- 2.8.19 Also, no idle charges will be admissible in the event of any stoppage caused in the work resulting in contractor's labour and Tools & Plants being rendered idle due to any reason at any time.
- 2.8.20 The contractor shall take all reasonable care to protect the materials and work till such time the plant/equipment has been taken over by BHEL or their Customer whichever is earlier.
- 2.8.21 The contractor shall not stop the work or abandon the site for whatsoever reason of dispute, excepting force majeure conditions. All such problems/disputes shall be separately discussed and settled without affecting the progress of work. Such stoppage or abandonment shall be treated as breach of contract and dealt with accordingly.
- 2.8.22 The contractor shall keep the area of work clean and shall remove the debris etc. while executing day-to-day work. Upon completion of work, the contractor shall remove from the vicinity of work, all scrap, packing materials, rubbish, unused and other materials and deposit them in places specified by the Engineer. The contractor will also demolish all the hutments, sheds, offices etc. constructed and used by him and shall clean the debris. In the event of his failure to do so, the same will be arranged to be done by the Engineer and the expenses recovered from the contractor.
- 2.8.23 The contractor shall execute the work in the most substantial and workman like manner in the stipulated time. Accuracy of work and timely execution shall be the essence of this contract. The contractor shall be responsible to ensure that the quality, assembly and workmanship conform to the dimensions and clearance given in the drawings and/ or as per the instructions of the Engineer.
- 2.8.24 The Contractor to note that some of BHEL's T&Ps/MMDs may not be insured. The Contractor will take necessary precautions and due care to protect the same while in his custody from any damage/ loss till the same is handed over back to BHEL. In case the damage / loss is caused due to carelessness/ negligence on the part of the contractor, the Contractor is liable to get them repair/ replaced immediately and in case of his failure to do so within a reasonable time, BHEL shall have to recover the loss from the contractor.
- 2.8.25 For all works having contract value of Rs. 5,00,000/- or above, 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.
- a) Victim: Any person who suffers permanent disablement or dies in an accident as defined below.
 - b) 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.
 - c) Compensation in respect of each of the victims:



General condition of Contract-Rev. 03G

In the event of death or permanent disability resulting from Loss of both limbs:

Rs. 10,00,000/- (Rs. Ten Lakh).

In the event of other permanent disability: Rs.7,00,000/- (Rs. Seven Lakh)

- d) 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.

2.8.26 Contractor shall be fully responsible for the safety of their T&Ps and other material mobilized at site. In any case, BHEL shall not be liable for any damage/loss/misuse of any item(s) belong to the contractor.

2.8.27 Contractor will ensure that the work/job is executed through his/her employees on and under no circumstances, the contractor shall subcontract the job without prior written permission from BHEL.

2.8.28 The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor.

2.9 Execution Plan, Progress Monitoring, Monthly Review And Performance Evaluation

2.9.1 A tentative plan/ programme for completion of the contractual scope of work as per the time schedule given in the contract shall be made jointly by BHEL and Contractor, before commencement of work. The above programme shall be supported by month wise deployment of resources viz Manpower, T&P, Consumables, etc. Progress will be reviewed periodically (Daily/Weekly/Monthly) vis-à-vis this jointly agreed programme.

Subsequently, every month, quarterly rolling plan will be made by BHEL based on budgeted targets.

Monthly plan in F-14 format shall be drawn from this Quarterly plan. Monthly plan shall necessarily include activities required for achieving targets/ milestones unless inputs/ fronts are not available. While planning and arriving on asking rate all available inputs shall be taken into consideration.

Vendor will be required to execute the monthly plan in that month in addition to make full efforts to minimize the cumulative shortfall attributable to him up to the month.

BHEL may require monthly work plan up to one and half times of average monthly value and demand matching manpower.

Where, Average Monthly Value = Total Contract Value (as per latest revision) / Period of Contract (in months)

Provided, this requirement is reflected in the rolling quarterly plan two months in advance.

If the Contractor refuses to sign the F-14 format, those F-14 formats requiring Contractor's signature shall be deemed to have been signed and accepted by the Contractor, if communicated to the Contractor through email or any other mode as stated in clause 2.3.1.

The Contractor shall submit periodical progress reports (Daily/Weekly/Monthly) and other reports/information including manpower, consumables, T&P mobilization etc. as desired by BHEL.



General condition of Contract-Rev. 03G

2.9.2	Monthly progress review between BHEL and Contractor shall be based on the agreed programme as above, availability of inputs/fronts etc., and constraints if any, as per prescribed formats (i.e. Form F-14). Manpower, T&P and consumable reports as per prescribed formats shall be submitted by contractor every month. Release of RA Bills shall be contingent upon certification by BHEL Site Engineer of the availability of the above prescribed formats duly filled in and signed.
2.9.3	The burden of proof that the causes leading to any shortfall is not due to any reasons attributable to the contractor is on the contractor himself. The monthly progress review shall record shortfalls attributable to (i) Contractor, (ii) Force Majeure Conditions, and (iii) BHEL
2.9.4	Performance of the Contractor shall be assessed as per prescribed formats and shall form the basis for 'Assessment of Capacity of Bidder' for Tenders where the Contractor is a bidder. BHEL reserves the right to revise the evaluation formats during the course of execution of the works.
2.10	Time Of Completion
2.10.1	The time for completion shall be as mentioned In the LOA/Contract. The time for completion shall be reckoned from the date of commencement of work at Site as certified/notified in writing by BHEL Engineers.
2.10.2	Time being the essence of the contract, the entire work shall be completed by the contractor within the time schedule or within such extended periods of time as may be allowed by BHEL under clause 2.11.

General condition of Contract-Rev. 03G

2.11 EXTENSION OF TIME FOR COMPLETION	
2.11.1	If the completion of work as detailed in the scope of work gets delayed beyond the contract period, the contractor shall request for an extension of the contract and BHEL at its discretion may extend the Contract. If the completion of work gets delayed for reasons not attributable to the contractor, the contract period may be suitably extended at the sole discretion of BHEL.
2.11.2	Based on the F-14 formats, the works balance at the end of original contract period less the backlog attributable to the contractor shall be quantified, and the number of months of 'Time extension' required for completion of the same shall be jointly worked out. Within this period of 'Time extension', the contractor is bound to complete the portion of backlog attributable to the contractor. Any further 'Time extension' or 'Time extensions' at the end of the previous extension shall be worked out similarly.
2.11.3	However, if any 'Time extension' is granted to the contractor to facilitate continuation of work and completion of contract, due to backlog attributable to the contractor alone, then it shall be without prejudice to the rights of BHEL to impose penalty/LD for the delays attributable to the contractor, in addition to any other actions BHEL may wish to take under Clause 2.7.2 of GCC i.e. Breach of Contract, Remedies and Termination
2.11.4	Planning, progress monitoring, monthly review and performance monitoring shall be carried out as per clause 2.9 of GCC.
2.12	Blank
2.13	Blank
2.14	Blank
2.15 Extra Works	
2.15.1	All rectifications/modifications, revamping and reworks required for any reasons not due to the fault of the contractor, or needed due to any change in deviation from drawings and design of equipment, operation/maintenance requirements, mismatching or due to damages in transit, storage and erection/commissioning and other allied works which are not very specifically indicated in the drawings, but are found essential for satisfactory completion of the work, will be considered as extra works.
2.15.2	Extra works arising on account of the contractor's fault, irrespective of time consumed in rectification of the damage/loss, will have to be carried out by the contractor free of cost. Under such circumstances, any material and consumable required for this purpose will also have to be arranged by the contractor at his cost.
2.15.3	All the extra work should be carried out by a separately identifiable gang, without affecting routine activities. Daily log sheets in the pro-forma prescribed by BHEL should be maintained and shall be signed by the contractor's representative and BHEL engineer. No claim for extra work will be considered/entertained in the absence of the said supporting documents i.e. daily log sheets. Signing of log sheets by BHEL engineer does not necessarily mean the acceptance of such works as extra works.
2.15.4	BHEL retains the right to award or not to award any of the major repair/rework/modification/rectification/fabrication works to the contractor, at their discretion without assigning any reason for the same.
2.15.5	Blank
2.15.6	The above composite labour man hour rate towards extra works shall remain firm and not subject to any variation during execution of the work. PVC will not be applicable for extra

General condition of Contract-Rev. 03G

	works. Rate revision, Over Run Charges/compensation etc. will not be applicable on extra works.
2.15.7	Extra Works for Civil Packages i) Rates for Extra Works arising due to (1) non availability of BOQ (Rate Schedule), OR (2) change in Specifications of materials/works (3) rectification/modification/dismantling & re-erecting etc. due to no fault of Contractor, shall be in the order of the following: - Item rates are to be derived from similar nature of items in the BOQ (Rate Schedule) with applicable escalation derived from All India Consumer Price Index for Whole Sale Commodities. - As per latest edition of CPWD-DSR with applicable escalation derived from All India Consumer Price Index for Whole Sale Commodities OR Notification issued by the office of CPWD for 'Cost Index' in that Region where the project is being executed with applicable escalation derived from All India Consumer Price Index for Whole Sale Commodities, whichever is less. - Item rates are to be worked out on the basis of market rates prevailing on the date of execution mutually agreed between BHEL and Contractor. ii) PVC and ORC will not be applicable for (i) above.
2.16 Supplementary Items	
2.16.1	For NON Civil Works Supplementary items are items/works required for completion of entire work but not specified in the scope of work. Subject to certification of such items/works as supplementary items by BHEL Engineer, rates shall be derived on the basis of any one of the following on mutual agreement: - Based on percentage breakup/rates indicated for similar/nearby items. - In case (i) above does not exist, then BHEL/site may derive the percentage breakup/rates to suit the type of work.
2.16.2	For Civil Works i) Rates for Supplementary Works/Additional Works arising out due to additions/alterations in the original scope of works as per contract subject to certification of BHEL Engineer shall be worked out as under: - Item rates which are available in existing BOQ (Rate Schedule) shall be operated with applicable escalation derived from All India Consumer Price Index for Whole Sale Commodities - Items of works which are not available in existing BOQ shall be operated as an 'Extra Works' and rate shall be derived as per clause no 2.15.7 ii) Execution of Supplementary Works/Additional Works through the Contractor shall be at the sole discretion of BHEL, and shall be considered as part of executed contract value for the purpose of Quantity Variation as per clause 2.14 iii) BHEL Engineer's decision regarding fixing the rate as above is final and binding on the contractor. iv) PVC and ORC will not be applicable for (i) above.
2.17	Blank
2.18 Insurance	
2.18.1	BHEL/their customer shall arrange for insuring the materials/properties of BHEL/customer covering the risks during transit, storage, erection and commissioning.
2.18.2	It is the sole responsibility of the contractor to insure his materials, equipment, 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 will be carried out in a protected area and all the rules



General condition of Contract-Rev. 03G

and regulations of the client /BHEL in the area of project which are in force from time to time will have to be followed by the contractor.

2.18.3 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 decided by the appropriate authorities.

2.18.4 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. For lodging / processing of insurance claim, the contractor will submit necessary documents. BHEL will recover the loss including the deductible franchise 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.

Refer Clause no 15 also of Section II for clause of Insurance.

2.19 STRIKES & LOCKOUT

2.19.1 The contractor will be fully responsible for all disputes and other issues connected with his labour. In the event of the contractor's labour resorting to strike or the Contractor resorting to lockout and if the strike or lockout declared is not settled within a period of one month, it may be considered as 'Breach of Contract' under Clause 2.7 and the remedies under Clause 2.7.2.2 may be executed, at the discretion of BHEL.

2.19.2 For all purposes whatsoever, the employees of the contractor shall not be deemed to be in the employment of BHEL.

2.20 Force Majeure

2.20.1 "Force Majeure" shall mean circumstance which is:

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

And

- e) Prevents the performance of the contract,
Such circumstances include but shall not be limited to:

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

General condition of Contract-Rev. 03G

- vii. Epidemic, pandemic etc.
- 2.20.2 The following events are explicitly excluded from Force Majeure and are solely the responsibilities of the non-performing party: a) any strike, work-to-rule action, go-slow or similar labour difficulty (b) late delivery of equipment or material (unless caused by Force Majeure event) and (c) economic hardship.
- 2.20.3 If either party is prevented, hindered or delayed from or in performing any of its obligations under the Contract by an event of Force Majeure, then it shall notify the other in writing of the occurrence of such event and the circumstances thereof within 15 (fifteen) days after the occurrence of such event.
- 2.20.4 The party who has given such notice shall be excused from the performance or punctual performance of its obligations under the Contract for so long as the relevant event of Force Majeure continues and to the extent that such party's performance is prevented, hindered or delayed. The Time for Completion shall be extended by a period of time equal to period of delay caused due to such Force Majeure event.
- 2.20.5 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 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.
- 2.20.6 BHEL at its discretion may consider short closure of contract after 1 year of imposition of Force Majeure in line with extant guidelines. In any case, Supplier/Vendor cannot consider deemed short-closure after 1 year of imposition of Force Majeure

2.21 Settlement of Dispute

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

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

2.21.1 Conciliation:

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

General condition of Contract-Rev. 03G

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

2.21.2 ARBITRATION:

- 2.21.2.1 . Except as provided elsewhere in this Contract, in case Parties are unable to reach amicable settlement (whether by Conciliation to be conducted as provided in Clause 21.1 herein above or otherwise) in respect of any dispute or difference; arising out of the formation, breach, termination, validity or execution of the Contract; or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the Contract (hereinafter referred to as the 'Dispute'), then, either Party may, refer the disputes to Arbitral Institution (to be identified by the contract issuing agency (eg. "IIAC" (India International Arbitration Centre) for Delhi/NCR offices) and such dispute to be adjudicated by Sole Arbitrator appointed in accordance with the Rules of said Arbitral Institution.
- 2.21.2.2 . A party willing to commence arbitration proceeding shall invoke Arbitration Clause by giving notice to the other party in terms of section 21 of the Arbitration & Conciliation Act, 1996 (hereinafter referred to as the 'Notice') before referring the matter to arbitral institution. The Notice shall be addressed to the Head of the Region, Power Sector/ Unit,BHEL, executing the Contract and shall contain the particulars of all claims to be referred to arbitration with sufficient detail and shall also indicate the monetary amount of such claim including interest, if any
- 2.21.2.3 . After expiry of 30 days from the date of receipt of aforesaid notice, the party invoking the Arbitration shall submit that dispute to the Arbitral Institutions..... (to be identified by the contract issuing agency) and that dispute shall be adjudicated in accordance with their respective Arbitration Rules. The matter shall be adjudicated by a Sole Arbitrator who shall necessarily be a Retd Judge having considerable experience in commercial matters to be appointed/nominated by the respective institution. The cost/expenses pertaining to the said Arbitration shall also be governed in accordance with the Rules of the respective Arbitral Institution. The decision of the party invoking the Arbitration for reference of dispute to a specific Arbitral institution for adjudication of that dispute shall be final and binding on both the parties and shall not be subject to any change thereafter. The institution once selected at the time of invocation of dispute shall remain unchanged.
- 2.21.2.4 . The fee and expenses shall be borne by the parties as per the Arbitral Institutional rules.
- 2.21.2.5 .The Arbitration proceedings shall be in English language and the seat and venue of Arbitration shall be Amethi (UP)
- 2.21.2.6 . Subject to the above, the provisions of Arbitration & Conciliation Act 1996 and any amendment thereof shall be applicable. All matters relating to this Contract and arising out of invocation of Arbitration clause are subject to the exclusive jurisdiction of the Court(s) situated at Amethi (UP)
- 2.21.2.7 . Notwithstanding any reference to the Designated Engineer or Conciliation or Arbitration herein, a. the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree. Settlement of Dispute clause cannot be invoked by the Contractor, if the Contract has been mutually closed or 'No Demand Certificate' has been furnished by the Contractor or any Settlement Agreement has been signed between the Employer and the Contractor.

General condition of Contract-Rev. 03G

2.21.2.8 . It is agreed that Mechanism of resolution of disputes through arbitration shall be available only in the cases where the value of the dispute is less than Rs. 10 Crores. 2.21.2.9 . In case the disputed amount (Claim, Counter claim including interest is Rs. 10 crores and above, the parties shall be within their rights to take recourse to remedies other than Arbitration, as may be available to them under the applicable laws after prior intimation to the other party. Subject to the aforesaid conditions, provisions of the Arbitration and Conciliation Act, 1996 and any statutory modifications or re-enactment thereof as amended from time to time, shall apply to the arbitration proceedings under this clause. 2.21.2.10 In case, multiple arbitrations are invoked (whether sub-judice or arbitral award passed) by any party to under this contract, then the cumulative value of claims (including interest claimed or awarded) in all such arbitrations shall be taken in account while arriving at the total claim in dispute for the subject contract for the purpose of clause 21.2.9. Disputes having cumulative value of less than 10 crores shall be resolved through arbitration and any additional dispute shall be adjudicated by the court of competent jurisdiction. 2.21.3 In case of Contract with Public Sector Enterprise (PSE) or a Government Department, the following shall be applicable: In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs)/ Port Trusts inter se and also between CPSEs and Government Departments/Organizations (excluding disputes concerning Railways, Income Tax, Customs & Excise Departments), such dispute or difference shall be taken up by either party for resolution through AMRCD (Administrative Mechanism for Resolution of CPSEs Disputes) as mentioned in DPE OM No. DPE-02/0001/2023-AMRCD-FTS-13578 dated 8th December 2025 and the decision of AMRCD on the said dispute will be binding on both the parties. 2.21.4 No Interest Payable To Contractor Notwithstanding anything to the contrary contained in any other document comprising in the Contract, no interest shall be payable by BHEL to Contractor on any moneys or balances including but not limited to the Security Deposit, EMD, Retention Money, RA Bills or the Final Bill, or any amount withheld and/or appropriated by BHEL. etc., which becomes or as the case may be, is adjudged to be due from BHEL to Contractor whether under the Contract or otherwise.	2.22 Blank
2.23 PAYMENTS	2.23.1 Running Account Bills (RA Bills)
i. These are for interim payments when the contracts are in progress. The bills for such interim payments are to be prepared by Contractor in prescribed formats (RA Bill forms). ii. Payments shall be made according to the extent of work done as per measurements taken up to the end of the calendar month and in line with the terms of payments described in the Tender documents. iii. Recoveries on account of electricity, water, statutory deductions etc. are made as per terms of contract. iv. Full rates for the work done shall be allowed only if the quantum of work has been done as per the specifications stipulated in the contract. If the work is not executed as per the stipulated specifications, BHEL may ask the contractor to redo the work according to the	



General condition of Contract-Rev. 03G

required specifications, without any extra cost. However, where this is not considered necessary 'OR' where the part work is done due to factors like non-availability of material to be supplied by BHEL 'OR' non availability of fronts 'OR' non availability of drawings, fraction payment against full rate, as is considered reasonable, may be allowed with due regard for the work remaining to be done. BHEL decision in this regard will be final and binding on the contractor.

- v. In order to facilitate part payment, BHEL at its discretion may further split the contracted rates/percentages to suit site conditions, cash flow requirements according to the progress of work, subject to following:
- Provided no 'part' payment is recommended till 25% of work in the item rate is executed.
 - Payment of item rate to be made in not more than three instalments, last stage payment to be not lower than 20% of the item rate.

2.23.2 Final Bill

Final Bill' is used for final payment on closing of Running Account for works or for single payment after completion of works. 'Final Bill' shall be submitted as per prescribed format after completion of works as per scope and upon material reconciliation, along with the following:

- 'No Claim Certificate' by Contractor as per Clause 2.6.11 of the GCC.
- Clearance certificates where ever applicable viz. Clearance Certificates from Customer, various Statutory Authorities like Labour department, PF Authorities, Commercial Tax Department etc.
- Indemnity Bond as per prescribed format.
- BHEL shall settle the final bills after deducting all liabilities of Contractor to BHEL.

2.24 Performance Guarantee for workmanship

2.24.1 BHEL shall release the Security Deposit subject to the following

- Contractor has submitted 'Final Bill'
- Guarantee period as per contract has expired
- Contractor has furnished 'No Claim Certificate' as per clause 2.6.11 of GCC
- BHEL Site Engineer/Construction Manager has furnished the 'No Demand Certificate' in specified format
- Contractor has carried out the works required to be carried out by him during the period of Guarantee and all expenses incurred by BHEL on carrying out such works is included for adjustment from the Security Deposit refundable.

2.25 CLOSING OF CONTRACTS

The Contract shall be considered completed and closed upon completion of contractual obligations and settlement of Final Bill or completion of Guarantee period whichever is later. Upon closing of Contract, BHEL shall issue a performance/ experience certificate as per standard format, based on specific request of Contractor as per extant BHEL guidelines through the online portal available at <https://siddhi.bhel.in> only.



General condition of Contract-Rev. 03G

2.26 SUSPENSION OF BUSINESS DEALINGS

BHEL reserves the right to take action against Contractors who either fail to perform or Tenderers/Contractor who indulge in malpractices, by suspending business dealings with them in line with BHEL guidelines issued from time to time.

The offers of the bidders who are under suspension as also the offers of the bidders, who engage the services of the banned firms / principal / agents, shall be rejected. The list of banned firms is available on BHEL web site www.bhel.com.

If any bidder / supplier / contractor during pre-tendering / tendering / post tendering / award / execution / post-execution stage indulges in any act, including but not limited to, mal-practices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price or tampers the tendering

process or acts or omits in any manner which tantamount to an offence punishable under any provision of the Indian Penal Code, 1860 or any other law in force in India, or does anything which is actionable under the Guidelines for Suspension of Business dealings, action may be taken against such bidder / supplier / contractor as per extant guidelines of the company available on www.bhel.com and / or under applicable legal provisions. Guidelines for suspension of business dealings is available in the webpage:

http://www.bhel.com/vender_registration/vender.php

2.27 Limitation On Liability:

Notwithstanding anything to the contrary in this Contract or LOA or Work Order or any other mutually agreed document between the parties, the maximum liability, for damages, of the contractor, its servants or agents, shall under no circumstances exceed an amount equal to the Price of the Contract or the Work Order. The Contractor shall not in any case be liable for loss of profit or special, punitive, exemplary, indirect or consequential losses whatsoever. This shall not be applicable on the recoveries made by Customer from BHEL on account of Contractor, any other type of recoveries for workmanship, material, T&P etc. due from the contractor.

2.28 Non-Disclosure Agreement (NDA):

The bidders shall enter into the Non-disclosure agreement totally voluntarily, with full knowledge of its meaning and without duress. (Format attached).

2.30 Cartel Formation

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

2.31 Fraud Prevention Policy

Bidder along with its associate /collaborators /sub-contractors /sub-vendors / consultants / service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

2.32 Blank

2.29 Other Issues

2.29.1 Value of Non judicial Stamp Paper for Bank Guarantees and for Contract Agreement shall be not less than Rs 100/- unless otherwise required under relevant statutes.



General condition of Contract-Rev. 03G

2.29.2 In case of any conflict between the General Conditions of Contract and Special Conditions of Contract, provisions contained in the Special Conditions of Contract shall prevail.
2.29.3 Unless otherwise specified in NIT, offers from consortium/ JVs shall not be considered
3. Maintaining Quality of the Job and rectification of any deficiency
The Contractor will be responsible for the quality of the job as per the specifications and will immediately rectify the deficiency pointed out in the job performed.
4. Subcontracting
The Contractor cannot sub-contract part or complete work detailed in the tender specification undertaken by him without written permission of BHEL. The Contractor is solely responsible to BHEL for the work awarded to him.
5. Termination Of Contract
BHEL reserves the right to terminate the whole or part of the contract without assigning any reason by giving prior written notice of 30 days. The notice of termination shall specify, the portion/scope of the contract which stands terminated and the date on which such termination becomes effective. No compensation for termination shall be payable to the contractor. However, the Contractor shall be entitled to receive contract price for the services rendered upto the date of termination after effecting recoveries due from the contractor. The Contractor hereby waives any claim for compensation for losses/damages and/or reimbursement of costs.
6. Recovery From Contractor
Whenever under the contract, any sum of money is 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 from his security deposit, or the contractor shall pay the claim on demand.
7. Post Payment Audit Of Work & 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. However, no such recovery shall be enforced after three years of payment of the final bill.
8. Confidential Information
The Contractor agrees & acknowledges that in the course of their discussions and interactions, BHEL may disclose information of confidential proprietary nature relating to its business, products, know-how, technology, customers, employees and financial. Such information shall be considered as confidential. The contractor agrees to keep it confidential & secret at all times and not directly or indirectly disclose to any party other than its employees and authorized personnel's strictly on a need know basis, without the prior written permission of BHEL. The above condition shall however not apply to that information, which – i. now or hereafter enters the public domain through no fault of that party; ii. can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party hereto; and iii. otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality. The provisions of this Clause shall survive termination for a period of _____ years, for whatever reason, of the Contract.
9. No Claim Certificate
The Contractor shall not, be entitled to make any claim, whatsoever, against BHEL under or by virtue of or arising out of this contract nor shall BHEL entertain or consider any such claim after Contractor has signed a "no claim certificate (WAM 10)" in favour of BHEL or in such forms as shall be required by BHEL after the works are finally accepted.
10. Liasoning with local and state authorities
Contractor will co-ordinate with state and local authorities for the work being done, as and when needed.



General condition of Contract-Rev. 03G

11. Reporting
Contractor will submit the Daily, Weekly, Monthly, Quarterly, Half-Yearly and Annual Reports as per the formats discussed and decided between BHEL and Contractor.
12. Commission for employment
The Contractor hereby undertakes that it shall not charge any fees in whatever name, or take any monetary / non-monetary considerations / deductions from its workforces/ individual/ persons/ resources engaged by it, to be deployed at BHEL site. The Contractor further agrees that it will not indulge in any unethical practices and acknowledges that any noncompliance of the aforesaid undertaking will be treated as a material breach of the Contract, in which case BHEL shall have the right to take appropriate independent actions including termination of the Contract and actions as deemed fit. After award of contract, if the Contractor is found to be charging any amount from the manpower on its roll in any manner, the agreement shall be terminated immediately with forfeiture of Performance Security amount and also the Contractor will be blacklisted. Any amount received from its manpower as registration or any fees by the Contractor will be recovered from the pending bills and will be paid directly to the concerned manpower.
13. Contractor's representative
The Contractor shall nominate a coordinator/ Single Point of Contact (SPOC) who shall be responsible for regular interaction with BHEL so that optimal services of the persons deployed could be availed without any disruption.
14. Statutory obligations/ compliances/ requirements
Contractor shall comply with all the statutory requirements, rules, regulations, notifications in relation to employment of his workforces. The Contractor shall duly comply with all Acts, Laws, or other Statutory rules, regulations, bye-laws applicable or which might become applicable to the place of work with regard to the performance of the work under the contract. Contractor shall indemnify BHEL against all claims and losses arising out of any non-compliance and violation of any applicable Law in connection with the subject matter of the contract. Contractor, wherever applicable, shall maintain proper records prescribed by the concerned statutory authorities and also provide a copy of the same to BHEL. The Contractor shall alone be responsible for Compliance of all labour legislation's (as may be amended from time to time) in respect of persons employed by or through him and deputed for the services being provided to BHEL. Minimum rates of wages shall be as per the notifications of concerned State Government/Appropriate Government from time to time. The Contractor shall prepare, maintain and submit all records, documents, returns, registers, notice, etc. as required under various Labour Legislations in the prescribed manner as applicable from time to time and within prescribed time to the concerned statutory authorities and produce the same on demand. The Contractor shall keep itself updated of the various labour laws as applicable to it and which may become applicable to it from time to time and shall take effective and speedy steps to comply with the same. In the event of breach of any law as applicable to its personnel or otherwise, by the contractor, the Contractor alone shall be responsible and liable for legal action that may arise as a result of such breach or violation and consequences thereof, if any. The Contractor shall ensure to pay the entire wages payable by it under Minimum Wages Act as applicable from time to time to the workforce deployed / to be deployed and further ensure to deposit the PF and ESI contribution on such gross wages with the appropriate authorities within due dates and shall submit the copy of challan for the PF & ESI contribution deposited by it along with its details to BHEL as and when called upon to do so. It is agreed that BHEL shall be entitled to withhold contractor's payment, should the contractor fail to submit records of statutory compliances as and when called for, until such record is produced before BHEL. If it is discovered that the Contractor has failed in its statutory compliances, BHEL shall terminate the Contract.



General condition of Contract-Rev. 03G

The Contractor will regulate recruitment, terms & conditions of employment, welfare amenities, disciplinary action, grievance handling, transfer, promotion, wages, allowances, leaves/holidays & benefits, provision for lunch, etc. of personnel deployed with BHEL.

The Contractor shall ensure that the personnel deployed in the premises of BHEL follow the safety norms, rules, regulations and instructions strictly including prohibiting smoking inside the Premises.

The Contractor shall prepare and disburse wages/salaries of its personnel latest by 7th of every month or as prescribed by law from time to time and shall not delay the same for any reasons whatsoever. The Contractor shall provide BHEL with a copy of salary/wage payment register duly certified by it as and when required by BHEL. BHEL shall be entitled to depute its representative to oversee the disbursement of wages/salaries.

The Contractor shall be liable to pay retrenchment compensation, notice pay, gratuity or bonus as payable to its personnel as and when required and BHEL shall not be liable for any such obligation of the Contractor.

15. Death cum accidental insurance policy

The Contractor shall necessarily buy death cum accidental insurance (24x7) policy for all of his workforce to be deployed under the contract before the start of work. No workforce should enter the BHEL-premises or working area without insurance cover. Copy of the Insurance Policy to be necessarily submitted by the Contractor in the first month itself of start of the contract. The coverage shall be of Rs. **5.00 Lakhs** per individual. The sum assured (Rs. **5.00 Lakhs**) shall become payable to the nominee/legal heir in the event of death due to accident of insured person. In the event of death of any member of workforce deployed by the contractor without proper insurance cover, the contractor shall be liable to pay Rs. **5.00 Lakhs** to the nominee/legal heir of such deceased member of workforce. Accident Insurance Scheme which will be a one-year cover, renewable from year to year, offering accidental death & disability on account of an accident. The Contractor will be responsible to pay the premium per annum per member for all the workforce during the contract. The Contractor must submit documentary evidence to show coverage of all the workforce under the above-mentioned insurance scheme at all times during the validity of contract. The Contractor has to assess the premium of insurance cover for the entire contract period. Contractors should include the impact of cost of insurance cover in their quote (i.e. Service Charge) itself.

16. Contractor's obligations

- 16.1 The Contractor will have full and exclusive liability for Wages, PF, ESI, Bonus, Insurance, overtime, Uniform etc.; for the personnel deployed by the contractor and other obligation arising under the applicable law at present and hereafter imposed by the Government / Local Bodies. The Contractor shall be fully responsible for the timely payment of wages, provident fund, bonus or any other benefits payable under the aforesaid Acts, Laws and regulations to the Workforce engaged by him at the work premises of BHEL. BHEL shall not be responsible for these payments or any other liability on this account. The Contractor shall also indemnify and compensate BHEL for any liability incurred by BHEL, including costs incurred thereon. In such an event, the nominated officer of BHEL shall be entitled to recover the amount so incurred, from the contractor, including forfeiture of the Security Deposit; and, if the sum so payable and / the Security Deposit is less than the amount due, it shall be lawful for BHEL to recover the balance amount as a debt from the Contractor.
- 16.2 Contractor will ensure that the job is executed through his workforce on his rolls and under no circumstances the contractor will deploy any casual workforce to carry out the job nor shall sub-contract the job.
- 16.3 The Contractor shall perform the work assignments to the satisfaction of BHEL. In case of unsatisfactory performance by the Contractor, BHEL shall intimate the same in writing to the Contractor; however, if the performance of the contractor does not improve within 7 days from the date of the above intimation, then, BHEL shall have the right to terminate the contract by giving one month's notice. BHEL shall also have the right to recover its damages (10%) from the Security Deposit

General condition of Contract-Rev. 03G

	received from the Contractor or any other financial holds including future invoices in the present or any other contract between the parties.
16.4	The Contractor shall exhibit its licence (Labour Licence if applicable etc.) or copy thereof in a conspicuous place at its place of work in BHEL premises. Every contractor shall display an abstract of the Contract Labour (Regulation and Abolition) Act, 1970 and rules in English and Hindi and in the language spoken by the majority of workforce in such form as may be approved by the Chief Labour Commissioner (Central).
16.5	Contractor shall ensure necessary assistance by its workforce to the police or to BHEL's authority in the process of any investigation pertaining to the activities of the Contractor.
16.6	It shall be the sole responsibility of the Contractor to settle disputes, if any arising out of the engagement between himself and the personnel engaged by him. In the event, any personnel approach the Competent Authority under any law or to the Court, the entire expenses in this behalf shall be borne by the Contractor.
16.7	The entire administration and deployment of the workforce will be the responsibility of the Contractor. The Proprietors/director(s) / authorized representative(s) on behalf of Contractor shall visit and check their workforce deployed at BHEL premise periodically in different shift and monitor their performance.
16.8	Personal bag & baggage of all the workforce deployed by Contractor at BHEL-Premise shall be liable for physical check-up both at the time of entry into the campus and while leaving at the security gate.
16.9	The contractor shall ensure that while on duty, his workforce puts proper uniforms in distinctive color code and in neat & clean conditions issued to them by the Contractor.
16.10	For security reasons, the contractor shall furnish /submit the details of his workforce along with photograph at BHEL's Security Office before they are brought into the BHEL-premise for providing various services. Without the prior knowledge of the BHEL, the contractor shall not deploy any workforce for any job within BHEL premises. In case the Contractor decides to change one or more member of his workforce, this shall be brought in writing to the notice of the BHEL.
16.11	The contractor shall not deploy any workforce below the age of 18 years.
16.12	The contractor's workforce shall not loiter in the BHEL premises and also not normally move out of their specified areas. Persons other than those who are required to work or visit the specified premises shall not be allowed into such places.
16.13	The contractor's workforce shall not indulge in entertaining their guests/outside in the work premise during their working hours.
16.14	While every care has been taken to ensure that the contents (w.r.t. Statutory Obligations / Compliances) of this tender document are accurate and up to date. In case of any conflict between the statutory provisions stipulated in this tender document and in the original source such as applicable Acts or the prevailing laws / rules, the statutory provisions contained in the extant law/rule and the original instructions shall prevail.
16.15	All the consumable materials will be of standard quality as mentioned in the scope of services and that will be verified by the Company Representative before the use.



General condition of Contract-Rev. 03G

16.16	The Workforce deployed by the Contractor shall have no right or claim or complaint of any nature whatsoever against BHEL including permanent absorption in BHEL. Any complaint as regards the working condition or dispute of any nature can only be taken up through the Contractor.
17.Care & treatment:	
Contractor or his representative should be in regular touch with all his workforce during all work timings. If any member of workforce falls ill or suffers an accident / injury, the contractor or his authorized representative, shall immediately arrange to take him/her for proper medical care. Delay / ignoring will be treated as violation of contractual obligations. Provisions of First Aid Facility should be provided & maintained by the Contractor so , as to be readily accessible during all working hours. In case, while on duty and during the course of engagement in work premises of BHEL under this Agreement, if any of the Contractor's Workforce meet (s) with any injury / illness 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 other statutory liabilities like ESI, Insurance etc. Contractor shall make every arrangement to render all the possible assistance to their workforce in such cases.	
18.Registers And Records And Collection Of Statistics	
All registers and other records required to be maintained under various Labour Laws / Rules, shall be maintained complete and up-to-date, and, unless otherwise provided for, shall be kept with Work Supervisor or the nearest convenient building within the precincts of the workplace or at a place within a radius of three kilometers. Such registers shall be maintained legibly in English and Hindi or in the language understood by the majority of the workforce. In case of any call seeking information or statistics in relation to Contractor's workforce at any time by an order in writing, the same should be provided without fail. The contractor shall maintain all Register(s); or alternative suitable Register(s) in lieu of any of the registers prescribed below.	
Contract Labour (Regulation & Abolition), Act, 1970 & Payment of Wages Act, 1936: • Employee Register in FORM- A. Wage Register in FORM- B. Register of Loan / Recoveries in FORM- C Attendance Register in FORM- D. Employment Card in FORM – XII Copies of Wage Slips in FORM – XIX. Copies of Half-Yearly Returns in in FORM – XXIV.	
Employee State Insurance Act, 1948: • Register of employees in FORM-6 Accident Book in FORM-11	
Employees Provident Fund & Miscellaneous Provisions Act, 1952: The Contractor has to maintain the Eligibility Register and Online Returns submitted in compliance to Para 36B of the EPF Scheme 1952. Copies of Nomination cum Declaration prescribed under the Payment of Wages Act 1936, The Employees Provident Fund & Miscellaneous Provisions Act 1952, and The ESI Act 1948.	
The Payment of Bonus Act, 1962: • Register showing the details of the amount of bonus due to each of the contract workers, the deductions under Sections 17 and 18 and the amount actually disbursed, in FORM- C. • The contractor shall send a return in FORM – D to the Inspector so as the reach him within 30 days after the expiry of the time limit specified in Section 19 for payment of Bonus.	
The Ease of Compliance to Maintain Registers under various Labour Laws Rules, 2017: Ministry of Labour & Employment has since notified "Ease of Compliance to maintain Registers under various Labour Laws Rules, 2017" on 21st February 2017 which has in effect replaced the 56	
Registers/Forms under 9 Central Labour Laws and Rules made thereunder in to 5 common Registers/Forms. This will save efforts, costs and lessen the compliance burden by various establishments. These Rules are	



General condition of Contract-Rev. 03G

available on the Website of this Ministry at the link below: <http://labour.gov.in/whatsnew/ease-compliance-maintain-registers-under-various-labour-laws-rules-2017>

Employee Register – FORM A.
Wage Register – FORM B.
Register of Loan/Recoveries – FORM C.
Attendance Register – FORM D.

19>Returns Under Labour Laws

The Unified Shram Suvidha Portal, developed by Government of India, facilitates reporting of inspections & submission of Returns and has also been envisaged as a single point of contact between employer, employee and enforcement agencies bringing in transparency in their day-to-day interactions. For integration of data among various enforcement Agencies, the Contractor, as an inspectable unit, is required to register and obtain Labour Identification Number (i.e. LIN) from Shram Suvidha Portal and submit the same in BHEL. Single Online Common Annual Return under 9 Central Labour Acts {(1) *Payment of Wages Act, 1936* (2) *Minimum Wages Act, 1948* (3) *Contract Labour (Regulation and Abolition) Act, 1970* (4) *Maternity Benefit Act, 1961* (5) *Building and Other Construction Workers (Regulation of Employment and Condition of Service) Act, 1996* (6) *Payment of Bonus Act, 1965* (7) *Inter-State Migrant Workmen (Regulation of Employment and conditions of Service) Act, 1979* (8) *Industrial Disputes Act, 1947* (9) *The Mines Act 1952*} has been made operational on Shram Suvidha Portal since 24th April 2015 to facilitate filing of simplified Single Online Return by the establishments instead of filing separate Returns, under the Various Acts and same shall be duly filed by the contractor with a copy to BHEL. The Contractor shall submit annual returns in Form-6A and Form 3A, prescribed under statutory EPF scheme, 1952 and annual returns in Form-6 prescribed under ESI Act, in respect of all the workforce (wherever applicable) deployed by him with a copy to BHEL.

20.Compliance With BHEL Rules

The contractor shall comply with all norms stipulated by BHEL such as gate passes, discipline & decency at and around the work site etc.

21.Indemnity

The Contractor shall indemnify and compensate BHEL against any liability that BHEL is subjected to on account of any statutory or contractual violation including any liability arising under the Contract Labour (Regulation and Abolition) Act, 1970 towards the workforce engaged by the contractor. BHEL shall be entitled to recover its losses arising out of such liability from the security deposit or other financial holdings in the contract. The Contractor shall also indemnify and hold BHEL harmless from and against all claims, damages, losses or expenses arising out of or resulting from the work/ services under the contract.

22.Company Representative

BHEL will nominate for each work premise covered under this Agreement, a Representative (hereinafter called "the Company Representative"). The Company Representative shall be the point of contact between the Contractor and the Company.

23.Withdrawal Of Workforce

In the event of termination of contract for any reason whatsoever or on completion of contract, the contractor shall withdraw all his workforce from the establishment of BHEL. In case the contractor has to discontinue services of any workforce (due to any reason) deployed under this agreement at any of BHEL premise, he should settle all statutory dues/payments of such individual immediately.

24.Instruction Book

The Contractor shall maintain an instruction book at job premises, serially numbered on each page, so that BHEL's visiting officers can issue instructions regarding progress and quality of job to the Contractor. The Contractor or the contractor representative will sign in the instruction book in token of receipt of and understanding of such instructions. Action taken on the instructions by the contractor or the contractor's representative shall be intimated to Company Representative or any other authorized representative of BHEL and their comment be recorded in the instruction book.



General condition of Contract-Rev. 03G

25.Identity.
The Contractor shall ensure that the Workforces engaged by him must wear & display ID-cards prominently on their uniform during their duty period (as the same duly endorsed by BHEL). Each Workforce shall also wear his name badge (to be issued by the contractor) while on duty. All the personnel so deployed will follow strictly the security regulations of the BHEL, in vogue from time to time.
26.Attendance Record
Attendance of the workforce deployed by the Contractor will be maintained by the Contractor and copy of such document duly signed & stamped by the Contractor shall be provided to BHEL as and when called for. Contractor shall provide proper Biometric Employment cards for the contract workers to be deployed by him for Work/Services, duly signed by the contractor or authorized person on behalf of contractor. Contractor is required to install Biometric Attendance System to regulate attendance of the workforce engaged by them. Contractor shall provide proper Biometric Employment cards for the workforce to be deployed by him for Work/Services, duly signed by the contractor or authorized person on behalf of contractor. All the workforce deployed by the Contractor at work premises should also mark their attendance in the Bio-Matric Attendance System installed at BHEL premises. For the same, the Contractor should complete all formalities before deployment of workforce at work premises. However, a physical attendance register (Muster-Roll) shall be also maintained by the concerned Work Supervisor of the Contractor at work premise for physical verification by BHEL / statutory authorities.
27.Character Verification And Antecedence
The contractor should get the character / antecedents of all the workforce deployed by them at the work premises, verified by the Police Authorities before engaging & deploying them in BHEL premises. It is mandatory for the Contractor to Arrange / Apply for "On Line" Police Verification in respect of each individual deputed for BHEL on his own expenses and submit Police Verification Report obtained from the Police Authorities in respect of each individual before deploying him/her for BHEL treating it as a mandatory requirement. Please note that online application for Police Verification is to be made by the Contractor himself/themselves giving declaration that the individual in question is his/their own employee. Police Verification applied by the individual will not be accepted. In case the contractor desires to change the Workforce deployed by him/her due to any reason or BHEL requires the Contractor to withdraw any workmen, the new incumbent (replacement) should be deployed subject to verification as explained above.
28. Working Days / Holidays / Leave
All the workforce must be allowed at least one whole day of rest / weekly-off for every six continuous working days or as laid down in the prevailing laws. No deduction shall be made by the Contractor from the wages of any workforce on account of Weekly-Off, National Holidays. Workforce deployed by the Contractor shall be required to work normally on all six days (Monday to Saturday) for 8 ½ Hrs. with a break of half-an-hour after every 04 Hrs. or as provided under the applicable law from time to time. The Contractor's shall ensure that its workforce is granted leaves as per the applicable Shops and Establishment Act or Factories Act as amended from time to time. Payment against encashment of paid leave shall be made to the Contractor when the Contractor submits proof of such payment at the end of one year i.e. annual basis (and not with every monthly bill). If there are any changes in statutory laws / periodicity of payment of leave entitlement or if any other leave / holidays is enforced or modified in future, the Contractor will be authorized for billing to cover the same accordingly. The Contractor will maintain proper records of Leaves/ Holidays/ Weekly off etc. granted to the workforce.
29.Safety, Health And Environment (She) Management
All necessary precautions for safety of the man / machine, fire hazard & environmental aspects shall have to be taken by the Contractor for the activities performed by his workforce.



General condition of Contract-Rev. 03G

The Contractor will be responsible for meeting all obligations for providing a safe and healthy workplace for its workforce. The contractor will be responsible for frequent and regular safety inspections of the worksites, materials, and equipment by its competent employees.

Safety and Personal Protective Equipment: Unless otherwise specified, the contractor is responsible for providing all necessary safety and personal protective equipment (PPE) needed by its workforce. This equipment must meet appropriate OSHA requirements and be in good working order. The contractor shall ensure that its workforce have received appropriate training on the use and maintenance of safety and PPE prior to its use. Failure to correctly use appropriate safety equipment is a violation of the contract and may result in damages in law and any applicable penalties in line with Special Conditions of the Contract.

Safety Training: The contractor must ensure that its workforces have completed appropriate health and safety training when required by statute/regulation and provide documentation of such training when required by BHEL.

Safety and Health Plan: The contractor must develop and implement a comprehensive health and safety plan for his or her workforce, which covers all aspects of operations and activities associated with the contract. This plan must comply with all statutorily applicable health and safety regulations and any project specific requirements that BHEL has specified.

It will be solely the Contractor's responsibility to fulfill all the legal formalities with respect to the "National Policy on Safety, Health and Environment at Workplace".

30.BHEL's Right To Withdraw / Relax

BHEL reserves the right to withdraw / relax any of the terms and condition mentioned in the contract, so as to overcome the problem encountered at a later stage. No such withdrawal or relaxation in any term shall be deemed to affect the other terms and conditions of the contract unless done so expressly and in writing.

31.No Employer Employee Relationship

The workforce deployed by the Contractor shall be the employees of the Contractor and there shall not be any employer – employee relationship between BHEL and the said workforce of Contractor on any ground whatsoever. BHEL will not issue any experience certificate to the workforces of the Contractor.

32.Contractor's Workforce

The Contractor shall provide workforce in sufficient numbers to meet the requirement of the scope of work and to the satisfaction of the BHEL's Company Representative. Estimated quantities envisaged for all services shall be as provided in the Special Conditions. In order to maintain quality services and minimize operational problems, the contractor may rotate the workforce with prior intimation to BHEL. For satisfactory services, the Contractor shall continuously maintain workforce strength as required to cope up with the requirement as arisen for satisfactory services to BHEL. Contractor has to deploy the minimum workforce as emphasized in the scope of services in the contract at any given day. Any deficiencies of the scope of services, the monthly payment against the job / services provided shall be deducted to the tune of shortages.

The workforce shall be classified as follows-

TYPE-A- Unskilled (USW): For providing Services at Job-Premise, the Contractor has to deploy unskilled workforce who must be minimum 5th Pass and know operations that involve the performance of simple duties, which require the experience of little of no independent judgment or previous experience although familiarity with the occupational environment is necessary.

TYPE-B- Semi-skilled (SSW) / Non-Matriculate: For providing services at Job-Premise, the Contractor has to deploy semiskilled workforce who must be minimum Non Matriculate (8th Pass), his/her work will be limited to the performance of routine operations of limited scope.



General condition of Contract-Rev. 03G

TYPE-C- Skilled (SW)/Work Supervisor (SW) / Matriculate: For providing Services at Job Premise, the Contract has to deploy skilled workforce who must be Matriculate (10th Pass), his/her shall be capable of working efficiently of exercising considerable independent judgement and of discharging his duties with responsibility. They must possess thorough & comprehensive knowledge of the trade, craft or industry in which they will be deployed by the Contractor. Specific work, wherever required, work supervisor, receptionist etc. should have basic knowledge of operating computer. The Contractor i.e. the employer of contract workers will give certification regarding eligibility of an individual for his/her respective category for TYPE-A, TYPE-B & TYPE-C (mentioned above) on the basis of their skills/experience etc

44.3 Efficiency, promptness, quality service, good behavior and politeness of the workforce are shall be ensured at all times. The Contractor is required to supervise the operations at all working hours and his manager or supervisor shall personally supervise operations in the kitchen and dining area at the BHEL premises.

The workforce deployed by the contractor shall be hail and healthy and should not be suffering from any communicable diseases. The contractor shall get his employee medically examined on regular intervals and such reports shall be produced as and when called upon by BHEL.

The persons deployed by the Contractor shall not be entitled to pay, perks and other facilities admissible to regular/ confirmed employees during the currency or after expiry of the Agreement.

No medical facilities or reimbursement or any sort of medical claims thereof in respect of workforces provided by the Contractor will be entertained by BHEL.

The Contractor shall furnish the following documents in respect of the manpower deployed by them to BHELs premise/ designated premise in the given time limit:

- List of persons deployed (monthly)
- Biodata/ resume with antecedents' details (at the time of deployment)
- Copy of Aadhaar Card of the candidates (at the time of deployment)
- Identity Cards issued by Contractor bearing photograph (within 8 days of joining)
- Identity proof and residential proof (at the time of deployment)
- Copy of police verification certificate (at the time of deployment)
- Copy of birth certificate, if required (at the time of deployment - for domicile purpose)

For all intents and purposes, the Contractor shall be the "Employer" within the meaning of different Rules & Acts in respect of manpower so deployed. The persons deployed by the Contractor shall not have any claim whatsoever like employer and employee relationship with BHEL. No deployed manpower shall be allowed to stay in the BHEL's premise/ designated premise unnecessarily after working hours without BHEL's permission.

33. Supervision Of Contractor's Workforce

SUPERVISORY SERVICES: Due supervision of jobs at the work premises shall be ensured by the contractor's work supervisors daily for closely monitoring services under the job contract and work supervisor shall be equipped with cell phone facility for effective coordination with BHEL. Adequate intercommunication facilities for communication between supervisors/manager shall also be provided by the contractor. The major responsibility of the works Supervisor would be as under:

Obtaining instructions from the concerned BHEL Official(s) for carrying out the works pertaining to their areas. Passing on the work instructions to his team of workforce ensuring completion of work within the stipulated time as instructed above and as per the terms & conditions of the tender document.

To ensure proper conduct and discipline by his team of workforce, while performing their duty at BHEL premises.

To report / intimate any constraint in writing, if so felt, during the execution of designated works by his team of workforce.



General condition of Contract-Rev. 03G

34. Assignment
The Contractor shall not, without the express prior written consent of BHEL, assign to any third party the Contract or any part thereof, or any right, benefit, obligation or interest therein or thereunder.
35. Termination
35.1 Termination for BHEL's Convenience BHEL may at any time terminate the Contract for any reason by giving the Contractor a notice of termination that refers to this clause. Upon receipt of the notice of termination under Subclause 1), the Contractor shall, either immediately or upon the date specified in the notice of termination, cease all further work, except for such work as BHEL may specify in the notice of termination; and remove all Contractor's Equipment from the Site, repatriate the Contractor's personnel from the Site, remove from the Site any wreckage, rubbish and debris of any kind, and leave the whole of the Site in a clean and safe condition. In the event of termination of the Contract under Subclause 1), the BHEL shall pay to the Contractor the Contract Price, properly attributable to the parts of the Facilities executed by the Contractor as of the date of termination;
Termination for Contractor's Default BHEL, without prejudice to any other rights or remedies it may possess, may terminate the Contract forthwith in the following circumstances by giving a notice of termination and its reasons therefor to the Contractor: if the Contractor becomes bankrupt or insolvent, has a receiving order issued against it, compounds with its creditors, or, if the Contractor is a corporation, a resolution is passed or order is made for its winding up, other than a voluntary liquidation for the purposes of amalgamation or reconstruction, a receiver is appointed over any part of its undertaking or assets, or if the Contractor takes or suffers any other analogous action in consequence of debt; and has abandoned or repudiated the Contract or has without valid reason failed to commence work on the Facilities promptly or has suspended the progress of Contract performance after receiving a written instruction from the BHEL to proceed; persistently fails to execute the Contract or remedy any breach or persistently neglects to carry out its obligations under the Contract; then BHEL may, without prejudice to any other rights it may possess under the Contract, give a notice to the Contractor, stating the nature of the default and requiring the Contractor to remedy the same. If the Contractor fails to remedy or to take steps to remedy the same within 14 days of its receipt of such notice, then BHEL may terminate the Contract forthwith by giving a notice of termination to the Contractor. Upon receipt of the notice of termination under Sub clause (i), the Contractor shall, either immediately or upon such date as is specified in the notice of termination, cease all further work, except for sch work as BHEL may specify in the notice of termination. the Contractor shall be entitled to be paid the contract price attributable to the works executed/services performed upto the date of termination. Any sums due to BHEL from the Contractor accruing prior to the date of termination and already intimated to the Contractor shall be deducted from the amount to be paid to the Contractor under this Contract.
36. Grievance Redressal Mechanism
To promote transparency and ensure fair treatment of all bidders, a structured Grievance Redressal Mechanism is in place to address any concerns or issues arising during the tendering process or in subsequent business dealings with the company. Suppliers/Contractors are requested to follow the below escalation process for grievance resolution: 1. First Level: Any grievance should initially be addressed to the designated Dealing Officer, whose contact details are provided in the Notice Inviting Tender (NIT)/Contract. 2. Second Level: If the issue remains unresolved, it may be escalated by lodging a formal grievance through the SUVIDHA Portal: https://suvidha.bhel.in/suvidha/ . Responses will be provided in accordance with the defined escalation matrix.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

37.For goods / works / services on Indian Suppliers / Contractors

Irrespective of the value of the invoice amount, the supplier/ contractor should necessarily upload the invoice details on BHEL SUVIDHA portal at <https://suvidha.bhel.in/suvidha/>, prior to despatch/raising invoice. All documents as per contract checklist , along with additional documents (if any), must be uploaded on the portal. It is mandatory that tax invoices with a net amount (including taxes) exceeding Rs five lakhs uploaded on the portal are digitally signed using a Class 3 Digital Signature Certificate (DSC) issued by a licensed Certifying Authority. Submission of invoice document in hard copy is allowed for invoices with a net amount (including taxes) equal to and upto Rs five lakhs in case the requirement for digitally signed invoice is not explicitly mentioned in the contract checklist.

The Invoice will not be accepted in absence of the above.



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Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

LIST OF ANNEXURES



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited
फैब्रिकेशन, स्टैम्पिंग ऐन्ड इंसुलटर प्लांट
Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

Enclosure:

- Annexure-1: Check List.
- Annexure-2: Offer forwarding letter / tender submission letter
- Annexure-3: No Deviation Certificate
- Annexure-4: Declaration regarding Insolvency/ Liquidation/ Bankruptcy Proceedings
- Annexure-5: Declaration by Authorized Signatory
- Annexure-6: Declaration by Authorized Signatory regarding Authenticity of submitted Documents
- Annexure-7: Non-Disclosure Certificate
- Annexure-8: Integrity Pact
- Annexure-9: Declaration confirming knowledge about Site Conditions
- Annexure-10: Declaration reg. Related Firms & their areas of Activities
- Annexure-11: Declaration for relation in BHEL
- Annexure-12: Declaration reg. minimum local content in line with revised public procurement
- Annexure-13: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017
- Annexure-14: Bank Account Details for E-Payment
- Annexure-15: Power of Attorney for submission of tender.
- Annexure-16: Proforma of Bank Guarantee for Earnest Money.
- Annexure-17: Proforma of Bank Guarantee for Performance Security.
- Annexure-18: List of Consortium Bank.
- Annexure-19: Contract Agreement Format
- Annexure-20: MSE Ownership Declaration
- Annexure-21: Conflict of interest declaration



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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General condition of Contract-Rev. 03G

ANNEXURE- 1

CHECK LIST

NOTE: - Suppliers are required to fill in the following details in their Letterhead and no column should be left blank

Check List for Tender Document			
A	Name and Address of the Supplier		
B	GSTN No. the Supplier		
C	Details of Contact person for this Tender	Name: Mr./ Ms.	
		Designation:	
		Telephone No:	
		Mobile No:	
		Email ID:	
D	DESCRIPTION	APPLICABILITY (BY BHEL)	ENCLOSED BY BIDDER
i.	Whether Pre - Qualification Criteria is understood and provided proper supporting documents.	Applicable	Yes
ii.	Whether all pages of the Tender documents including annexures, appendices etc are read and understood	Applicable	Yes
iii.	Audited Balance Sheet and profit & Loss Account for the last three years as per PQR.	Applicable	Yes
iv. A	Copy of PAN Card & GST registration	Applicable	Yes
iv. B	PF Code and ESI Code	Not Applicable	No
v.	Submission of MSE certificate as specified in Tender	Applicable	Yes
vi.	Offer forwarding letter / tender submission letter as per Annexure – 2	Applicable	Yes
vii.	Submission of Certificate of No Deviation as per Annexure – 3	Applicable	Yes
viii.	Declaration regarding Insolvency/ Liquidation/ Bankruptcy Proceedings as per Annexure – 4	Applicable	Yes
ix.	Declaration by Authorized Signatory as per Annexure – 5	Applicable	Yes
x.	Declaration by Authorized Signatory regarding Authenticity of submitted Documents Annexure – 6	Applicable	Yes



General condition of Contract-Rev. 03G

xi.	Submission of Non-Disclosure Certificate as per Annexure –7	Applicable	Yes
xii.	Submission of Integrity Pact as specified in Tender as per Annexure – 8	Not Applicable	No
xiii.	Declaration confirming knowledge about Site Conditions as per Annexure – 9	Applicable	Yes
xiv.	Declaration reg. Related Firms & their areas of Activities as per Annexure – 10	Applicable	Yes
xv.	Declaration for relation in BHEL as per Annexure – 11	Applicable	Yes
xvi.	Declaration reg. minimum local content in line with revised public procurement as per Annexure – 12	Applicable	Yes
xvii.	Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017 as per Annexure – 13	Applicable	Yes
xviii.	Bank Account Details for E-Payment as per Annexure – 14	Applicable	Yes
xix.	Power of Attorney for submission of tender as per Annexure -15	Applicable	Yes
xx.	Proforma of Bank Guarantee for Earnest Money as per Annexure – 16	Not Applicable	No
xxi.	MSE ownership Declaration as per Annexure – 20	Applicable	Yes
xxii.	Declaration regarding treatment of cases regarding conflict of interest as per Annexure – 21	Applicable	Yes

NOTE: Strike off ‘YES’ or ‘NO’, as applicable. Tender not accompanied by the prescribed **above applicable documents** are liable to be summarily rejected.

DATE :

Sign. of the AUTHORISED SIGNATORY

(With Name, Designation and Company seal)



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

ANNEXURE - 2

OFFER FORWARDING LETTER / TENDER SUBMISSION LETTER

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

Offer Reference No:

Date:

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Sub: Submission of Offer against Bid No:

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

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

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

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

Authorised Representative of Bidder

Signature:

Name:

Address:

Place:

Date:



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General condition of Contract-Rev. 03G

ANNEXURE- 3

CERTIFICATE OF NO DEVIATION

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Subject: No Deviation Certificate

Ref: 1) Bid No:

2) All other pertinent issues till date

We hereby confirm that we have not changed/ modified/materially altered any of the tender documents as downloaded from the website/ issued by BHEL and in case of such observance at any stage, it shall be treated as null and void.

We also hereby confirm that we have neither set any Terms and Conditions and nor have we taken any deviation from the Tender conditions together with other references applicable for the above referred Bid.

We further confirm our unqualified acceptance to all Terms and Conditions, unqualified compliance to Tender Conditions.

We confirm to have submitted offer in accordance with tender instructions and as per aforesaid references.

Thanking you,

Yours faithfully,

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

Date:

Place:



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General condition of Contract-Rev. 03G

ANNEXURE- 4

UNDERTAKING

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

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir/Madam,

Sub: DECLARATION REGARDING INSOLVENCY/ LIQUIDATION/ BANKRUPTCY PROCEEDINGS

Ref: Bid Specification No:

I/We,

declare that,

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

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

Place:

Date:



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जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

ANNEXURE – 5

DECLARATION BY AUTHORISED SIGNATORY OF BIDDER

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

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Sub: Declaration by Authorised Signatory

Ref: 1) Bid Specification No:
2) All other pertinent issues till date

I/We, hereby certify that all the information and data furnished by me with regard to the above Tender Specification are true and complete to the best of my knowledge. I have gone through the specifications, conditions, stipulations and all other pertinent issues till date, and agree to comply with the requirements and Intent of the specification.

I further certify that I am authorised to represent on behalf of my Company/Firm for the above mentioned tender.

Yours faithfully,

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

Date:



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जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

ANNEXURE – 6

Declaration by Authorised Signatory regarding Authenticity of submitted documents.

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

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Sub : **Declaration by Authorised Signatory regarding Authenticity of submitted documents.**

Ref : 1) Bid No. & Date: _____

2) All other pertinent issues till date

I/We, hereby certify that all the documents submitted by us in support of possession of “Qualifying Requirements” are true copies of the original and are fully compliant required for qualifying / applying in the bid and shall produce the original of same as and when required by Bharat Heavy Electricals Limited.

I / We hereby further confirm that no tampering is done with documents submitted in support of our qualification as bidder. I / We understand that at any stage (during bidding process or while executing the awarded contract) if it is found that fake / false / forged bid qualifying / supporting documents / certificates were submitted, it would lead to summarily rejection of our bid / termination of contract. BHEL shall be at liberty to initiate other appropriate actions as per the terms of the Bid / Contract and other extant policies of Bharat Heavy Electricals Limited.

Yours faithfully,

(Signature, Date & Seal of Authorized

Signatory of the Bidder)

Date:



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

ANNEXURE- 7

NON-DISCLOSURE CERTIFICATE

(To be Typed & submitted in the Letter Head of the Company/Firm of Bidder)

I/We understand that BHEL **FSIP** is committed to Information Security Management System as per their Information Security Policy.

Hence, I/We M/s

who are submitting offer for providing services to BHEL **BHEL FSIP** against Bid

No. hereby

undertake to comply with the following in line with Information Security Policy of **BHEL FSIP**.

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

(Signature, date & seal of Authorized

Signatory of the bidder)

Date:



General condition of Contract-Rev. 03G

ANNEXURE – 8

INTEGRITY PACT

Between

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

and

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

Preamble

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

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

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

Section 1- Commitments of the Principal

1.1 The Principal commits itself to take all measures necessary to prevent corruption and to observe the following principles:-

1.1.1 No employee of the Principal, personally or through family members, will in connection with the tender for, or the execution of a contract, demand, take a promise for or accept, for self or third person, any material or immaterial benefit which the person is not legally entitled to.

1.1.2 The Principal will, during the tender process treat all Bidder(s) with equity and reason. The Principal will in particular, before and during the tender process, provide to all Bidder(s) the same information and will not provide to any Bidder(s) confidential/ additional information through



General condition of Contract-Rev. 03G

which the Bidder(s) could obtain an advantage in relation to the tender process or the contract execution.

1.1.3 The Principal will exclude from the process all known prejudiced persons.

1.2 If the Principal obtains information on the conduct of any of its employees which is a penal offence under the Bharatiya Nyaya Sanhita (BNS) 2023 and Prevention of Corruption Act 1988 or any other statutory penal enactment, or if there be a substantive suspicion in this regard, the Principal will inform its Vigilance Office and in addition can initiate disciplinary actions.

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

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

2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.

2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Bharatiya Nyaya Sanhita (BNS) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.

2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.

2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.



General condition of Contract-Rev. 03G

2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

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

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

Section 4 - Compensation for Damages

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

Section 5 - Previous Transgression

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



General condition of Contract-Rev. 03G

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

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

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

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

Section 8 -Independent External Monitor(s)

- 8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact on receipt of any complaint by them from the bidder(s).
- 8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.
- 8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as /Top Secret are not to be disclosed.
- 8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.
- 8.5 The role of IEM is advisory and the advice of IEM is non- binding on the Organization. However, as IEMs are invariably persons with rich experience who have retired as senior functionaries of the government, their advice would help in proper implementation of the IP.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of the tendering process, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an examination, and submit their joint recommendations to the Management. In case the full panel is not available due to some unavoidable reasons, the available IEM(s) will conduct examination of the complaints. Consent of the IEM(s), who may not be available, shall be taken on record.



General condition of Contract-Rev. 03G

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

Section 9 - Pact Duration

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

Section 10 - Other Provisions

- 10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.
- 10.2 Changes and supplements as well as termination notices need to be made in writing.
- 10.3 If the Bidder(s)/ Contractor(s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.



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Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

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

For & On behalf of the Principal

(Office Seal)

Place----- Date-----

Witness: _____

(Name & Address) _____

For & On behalf of the Bidder/ Contractor

(Office Seal)

Witness: _____

(Name & Address) _____



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General condition of Contract-Rev. 03G

ANNEXURE – 9

DECLARATION CONFIRMING KNOWLEDGE ABOUT SITE CONDITIONS

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

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Sub: Declaration confirming knowledge about Site conditions

Ref: 1) Bid Specification No:
2) All other pertinent issues till date

I/We, hereby declare and confirm that we have visited the Project Site as referred in BHEL Tender Specifications and acquired full knowledge and information about the Site conditions including Wage structure, Industrial Climate, the Law & Order and other conditions prevalent at and around the Site. We further confirm that the above information is true and correct and we shall not raise any claim of any nature due to lack of knowledge of Site conditions.

I/We, hereby offer to carry out work as detailed in above mentioned Tender Specification, in accordance with Terms & Conditions thereof.

Yours faithfully,

(Signature, Date & Seal of Authorized
Representative of the Bidder)

Date:

Place:



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General condition of Contract-Rev. 03G

ANNEXURE – 10

DECLARATION

Date:

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir/ Madam,

Sub: Details of related firms and their area of activities

Please find below details of firms owned by our family members that are doing business/ registered for same item with BHEL, _____ (NA, if not applicable)

1	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
2	Material Category/ Work Description	
	Name of Firm	
	Address of Firm	
	Nature of Business	
	Name of Family Member	
	Relationship	
...		

Note: I certify that the above information is true and I agree for penal action from BHEL in case any of the above information furnished is found to be false.

Regards,

(_____)

From: M/s _____

Supplier Code: _____

Address: _____



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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General condition of Contract-Rev. 03G

ANNEXURE – 11

DECLARATION FOR RELATION IN BHEL

(To be typed and submitted in the Letter Head of the Company/Firm of Bidder failing which the offer of Bidder is liable to be summarily rejected)

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Sub: Declaration for relation in BHEL

Ref: 1) Bid Specification No:

I/We hereby submit the following information pertaining to relation/relatives of Proprietor/Partner(s)/ Director(s) employed in BHEL

Tick (✓) any one as applicable:

1. The Proprietor, Partner(s), Director(s) of our Company/Firm DO NOT have any relation or relatives employed in BHEL

OR

2. The Proprietor, Partner(s), or Director(s) of our Company/Firm HAVE relation/relatives employed in BHEL and their particulars are as below:

I.....
II.....
.....

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

Note:

1. Attach separate sheet, if necessary.
2. If BHEL Management comes to know at a later date that the information furnished by the Bidder is false, BHEL reserves the right to take suitable against the Bidder/Contractor.



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General condition of Contract-Rev. 03G

ANNEXURE – 12

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

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

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

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

Ref: 1) Bid Specification No:

2) All other pertinent issues till date

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

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

- | | |
|----------|----------|
| 1. _____ | 2. _____ |
| 3. _____ | 4. _____ |
| ... | |

Thanking you,
Yours faithfully,

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

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

Note:

1. Bidders to note that above format, duly filled & signed by authorized signatory, shall be submitted along with the techno-commercial offer.
2. In case the bidder's quoted value is in excess of Rs. 10 crores, the authorized signatory for this declaration shall necessarily be the statutory auditor or cost auditor of the company (in the case of companies) or a practising cost accountant or practicing chartered accountant (in respect of suppliers other than companies).
3. In the event of false declaration, actions as per the above order and as per BHEL Guidelines shall be initiated against the bidder.



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General condition of Contract-Rev. 03G

ANNEXURE – 13

DECLARATION REGARDING COMPLIANCE TO RESTRICTIONS UNDER RULE 144 (xi) OF GFR 2017

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

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Sub: Declaration regarding compliance to Restrictions under Rule 144 (xi) of GFR 2017

Ref: 1) Bid Specification No:
2) All other pertinent issues till date

I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I certify that (SPECIFY THE NAME OF THE ORGANIZATION HERE), is not from such a country/ has been registered with the Competent Authority (attach valid registration by the Competent Authority, i.e., the Registration Committee constituted by the Dept. for Promotion of Industry and Internal Trade (DPIIT)).

I hereby certify that we fulfil all requirements in this regard and is eligible to be considered.

Thanking you,

Yours faithfully,

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

Note: Bidders to note that in case above certification given by a bidder, whose bid is accepted, is found to be false, then this would be a ground for immediate termination and for taking further action in accordance with law and as per BHEL guidelines.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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General condition of Contract-Rev. 03G

ANNEXURE – 14

BANK ACCOUNT DETAILS FOR E-PAYMENT

(To be given on Letter head of the Company /Firm of Bidder, and **ENDORSED (SIGNED & STAMPED) BY THE BANK** to enable BHEL release payments through Electronic Fund Transfer (EFT/RTGS))

1. Beneficiary Name :

2. Beneficiary Account No. :

3. Bank Name & Branch :

4. City/Place :

5. 9 digit M ICR Code of Bank Branch :

6. IFSC Code of Bank Branch :

7. Beneficiary E-mail ID :
(for payment confirmation)

NOTE: In case Bank endorsed certificate regarding above has already been submitted earlier, kindly submit photocopy of the same



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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General condition of Contract-Rev. 03G

ANNEXURE – 15

POWER OF ATTORNEY for SUBMISSION OF TENDER

(To be typed on non-judicial stamp paper of minimum Rs. 100/- and Notarized)

KNOW ALL MEN BY THESE PRESENTS, that I/We do hereby make, nominate, constitute and appoint Mr. _____, whose signature given below herewith to be true and lawful Attorney of M/s. _____ hereinafter called 'Company', for submitting Tender/entering into Contract and inter alia, sign, execute all papers and to do necessary lawful acts on behalf of Company with M/s Bharat Heavy Electricals Ltd, Central Procurement Cell (CPC), in connection with.....
.....vide Bid

No: _____, dated _____.

And the Company do hereby agree to ratify and confirm all acts, deeds, things or proceedings as may be lawfully done by the said attorney and by or on behalf of the company and in the name of the company, by virtue of the powers conferred herein and the same shall be binding on the company and shall have full force and effect.

IN WITNESS WHEREOF, the common seal of the company has been hereunto affixed in the manner hereinafter appearing on the document.

Dated at _____, this _____ day of _____

Director/CMD/Partner/Proprietor

Signature of Mr. _____ (Attorney)

Attested by: Director/CMD/Partner/Proprietor

Witness

Notary Public



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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General condition of Contract-Rev. 03G

ANNEXURE – 16

PROFORMA OF BANK GUARANTEE FOR EARNEST MONEY

(On non-Judicial paper of appropriate value)

Bank Guarantee No.

Date

To

(Employer's Name and Address)

.....

Dear Sirs,

In accordance with the terms and conditions of Invitation for Bids/Notice Inviting Tender No.¹(Tender Conditions), M/s.² (hereinafter referred to as the 'Tenderer'), is submitting its bid for the work of.....³ invited by⁴.(name of the Employer) through its Unit at

The Tender Conditions provide that the Tenderer shall pay a sum of Rs as Earnest Money Deposit in the form therein mentioned. The form of payment of Earnest Money Deposit includes Bank Guarantee executed by a Scheduled Bank.

In lieu of the stipulations contained in the aforesaid Tender Conditions that an irrevocable and unconditional Bank Guarantee against Earnest Money Deposit for an amount of⁵ is required to be submitted by the Tenderer as a condition precedent for participation in the said Tender and the Tenderer having approached us for giving the said Guarantee,

we, the[Name & address of the Bank]

..... having our Registered Office at

.....(hereinafter referred to as the Bank) being the Guarantor under this Guarantee, hereby irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer without any demur, merely on your first demand any sum or sums of Rs.

.....⁵ (in words Rupees.....) without any reservation, protest, and recourse and without the beneficiary needing to prove or demonstrate reasons for its such demand.



General condition of Contract-Rev. 03G

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

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

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

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

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

This Guarantee shall be irrevocable and shall remain in force upto and including.....⁶ and shall be extended from time to time for such period as may be desired by the Employer.

This Guarantee shall not be determined or affected by liquidation or winding up, dissolution or change of constitution or insolvency of the Tenderer but shall in all respects and for all purposes be binding and operative until payment of all money payable to the Employer in terms hereof. However, unless a demand or claim under this Guarantee is made on us in writing on or before the⁷ we shall be discharged from all liabilities under this Guarantee.

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

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

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

Notwithstanding anything to the contrary contained hereinabove:



General condition of Contract-Rev. 03G

- a. The liability of the Bank under this Guarantee shall not exceed.....⁵
- b. This Guarantee shall be valid up to⁶
- c. Unless the Bank is served a written claim or demand on or before⁷ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank

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

For and on behalf of
(Name of the Bank)

Date.....

Place of Issue.....

- 1 *Details of the Invitation to Bid/Notice Inviting Tender*
- 2 *Name and Address of the Tenderer*
- 3 *Details of the Work*
- 4 *Name of the Employer*
- 5 *BG Amount in words and Figures*
- 6 *Validity Date*
- 7 *Date of Expiry of Claim Period*

Notes:

1. Units are advised that expiry of claim period may be kept 3-6 months after validity date. It may be ensured that the same is in line with the agreement/ contract entered with the Vendor.
2. The BG should be on Non-Judicial Stamp paper/e-stamp paper of appropriate value as per Stamp Act prevailing in the State(s) where the BG is submitted or is to be acted upon or the rate prevailing in the State where the BG was executed, whichever is higher. The Stamp Paper/e-stamp paper shall be purchased in the name of Contractor/sub-contractor /vendor/ Bank issuing the guarantee.
3. In line with the GCC, SCC or contractual terms, Unit may carry out minor modifications in the Standard BG Formats. If required, such modifications may be carried out after taking up appropriately with the Unit/Region's Law Deptt.

4. In Case of Bank Guarantees submitted by Foreign Vendors-

- a. **From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India)** can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e., Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.

b. From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor country's Bank)

b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by **any of the Consortium Banks only** will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian



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General condition of Contract-Rev. 03G

Bank's (BHEL's Consortium Bank) branch in India. It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.

b.2 In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at **sl.no.**

b.1 will required to be followed.

b.3 The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). The BG Format provided to them should clearly specify the same.



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General condition of Contract-Rev. 03G

ANNEXURE – 17

BANK GUARANTEE FOR PERFORMANCE SECURITY

(On non-Judicial paper of appropriate value)

Bank Guarantee No:

Date:

To

NAME

& ADDRESSES OF THE BENEFICIARY

Dear Sirs,

In consideration of Bharat Heavy Electricals Limited (hereinafter referred to as the 'Employer' which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns) incorporated under the Companies Act, 1956 and having its registered office at _____¹ through its Unit at.....(name of the Unit) having awarded to (Name of the Vendor / Contractor / Supplier) with its registered office at _____² hereinafter referred to as the ' Vendor / Contractor / Supplier ', which expression shall unless repugnant to the context or meaning thereof, include its successors and permitted assigns), a contract Ref No.....dated³ valued at Rs.....⁴ (Rupees -----) / FC.....(in words.....) for⁵ (hereinafter called the 'Contract') and the Vendor / Contractor / Supplier having agreed to provide a Contract Performance Bank Guarantee, equivalent to% (....

Percent) of the said value of the Contract to the Employer for the faithful performance of the Contract,

We,, (hereinafter referred to as the Bank), having registered/Head office at and inter alia a branch at being the Guarantor under this Guarantee, hereby, irrevocably and unconditionally undertake to forthwith and immediately pay to the Employer any sum or sums upto a maximum amount of Rs -----⁶ (Rupees -----) without any demur, immediately on first demand from the Employer and without any reservation, protest, and recourse and without the Employer needing to prove or demonstrate reasons for its such demand.

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



General condition of Contract-Rev. 03G

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

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

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

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

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

This Guarantee shall remain in force upto and including.....⁷ and shall be extended from time to time for such period as may be desired by Employer.

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

Unless a demand or claim under this guarantee is made on us in writing on or before the⁸ we shall be discharged from all liabilities under this guarantee thereafter.

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

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



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited
फैब्रिकेशन, स्टैम्पिंग ऐन्ड इंसुलटर प्लांट
Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

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

Notwithstanding anything to the contrary contained hereinabove:

- a. The liability of the Bank under this Guarantee shall not exceed.....⁶
- b. This Guarantee shall be valid up to⁷
- c. Unless the Bank is served a written claim or demand on or before⁸ all rights under this guarantee shall be forfeited and the Bank shall be relieved and discharged from all liabilities under this guarantee irrespective of whether or not the original bank guarantee is returned to the Bank.

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

For and on behalf of (Name of the Bank) Dated.....

Place of Issue.....

1 NAME AND ADDRESS OF EMPLOYER i.e., Bharat Heavy Electricals Limited

2 NAME AND ADDRESS OF THE VENDOR /CONTRACTOR / SUPPLIER.

3 DETAILS ABOUT THE NOTICE OF AWARD/CONTRACT REFERENCE

4 CONTRACT VALUE

5 PROJECT/SUPPLY DETAILS

6 BG AMOUNT IN FIGURES AND WORDS

7 VALIDITY DATE

8 DATE OF EXPIRY OF CLAIM PERIOD

Note:

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



General condition of Contract-Rev. 03G

3. In line with the GCC, SCC or contractual terms, Unit may carry out minor modifications in the Standard BG Formats. If required, such modifications may be carried out after taking up appropriately with the Unit/Region's Law Deptt.
4. In Case of Bank Guarantees submitted by Foreign Vendors-
 - a. **From Nationalized/Public Sector / Private Sector/ Foreign Banks (BG issued by Branches in India)** can be accepted subject to the condition that the Bank Guarantee should be enforceable in the town/city or at nearest branch where the Unit is located i.e.

Demand can be presented at the Branch located in the town/city or at nearest branch where the Unit is located.
 - b. From Foreign Banks (wherein Foreign Vendors intend to provide BG from local branch of the Vendor country's Bank)
 - b.1 In such cases, in the Tender Enquiry/ Contract itself, it may be clearly specified that Bank Guarantee issued by **any of the Consortium Banks only** will be accepted by BHEL. As such, Foreign Vendor needs to make necessary arrangements for issuance of Counter- Guarantee by Foreign Bank in favour of the Indian Bank's (BHEL's Consortium Bank) branch in India. It is advisable that all charges for issuance of Bank Guarantee/ counter- Guarantee should be borne by the Foreign Vendor. The tender stipulation should clearly specify these requirements.
 - b.2 In case, Foreign Vendors intend to provide BG from Overseas Branch of our Consortium Bank (e.g. if a BG is to be issued by SBI Frankfurt), the same is acceptable. However, the procedure at **sl.no. b.1** will required to be followed.
 - b.3 The BG issued may preferably be subject to Uniform Rules for Demand Guarantees (URDG) 758 (as amended from time to time). The BG Format provided to them should clearly specify the same.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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General condition of Contract-Rev. 03G

ANNEXURE – 18

LIST OF CONSORTIUM BANK

Sl. No.	NAME OF THE BANK
1	State Bank of India
2	Canara Bank
3	IDBI Bank Limited
4	ICICI Bank Limited
5	HDFC Bank Limited
6	Axis Bank
7	IndusInd Bank Limited
8	Bank of Baroda
9	Exim Bank
10	Indian Bank
11	Punjab National Bank
12	Union Bank of India
13	Yes Bank Limited
14	RBL Bank Ltd.
15	Standard Chartered Bank
16	Indian Overseas Bank
17	Kotak Mahindra Bank Limited
18	Federal Bank Limited
19	Hongkong and Shanghai Banking Corporation Ltd



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General condition of Contract-Rev. 03G

Annexure-19

CONTRACT AGREEMENT FORMAT

Agreement No:

Date:.....

The agreement made on between M/s. Bharat Heavy Electricals Limited, FSIP, Jagdishpur, Distt Amethi (UP) having its registered office at BHEL House, Siri Fort, New Delhi-

110049 (hererin after called the contractee) the first party, (Name of Contractor), (address.....) (hereinafter called the Contractor) the 2nd party. Whereas through its Tender Enquiry No.: -----, the contractee had called for (Name of service.....) as per scope of work at FSIP Jagdishpur. And whereas the contractor has submitted his offer in pursuance of said tender notice. And whereas the company has decided to accept contractors tender mentioned above as per the offered rates and conditions specified in offer subject to other terms and conditions specified in the tender enquiry/ proposed agreement and the company's contract hereto.

And whereas the contractor has agreed to enter (Name of service.....) at FSIP Jagdishpur specified above at the rates mentioned, subject to the conditions contained hereunder:

1. Contract Period:

02. All other terms and conditions shall be as per (WO No.....). The security deposit and any other amount occurring to the contract will be liable for forfeiture in the event of the contractor violating any of the conditions of the contractor and will be set against any claim or expenditure incurred by BHEL on account of acts of omission/negligence on the part of the contractor.

03. The rate for the aforesaid work shall be as per (WO No.....).

04. For delays beyond the specified schedule given in tender document, if attributable to contractor, penalty shall be applicable as per terms given in NIT. Cost of rejection/rework, as appropriate shall be recovered from contractor as compensation for defective job done- **Agreed.**

05. Payment shall be made, on the Nos. of Measurement units, successfully executed, by the Contractor. The contractor shall submit their clear & legible bills (in duplicate) on Monthly basis, duly verified by concerned BHEL staff. Each bill must be enclosed with work/ activity completion report duly signed by contractor & and BHEL representative (s).

The security deposit and any other amount occurring to the contract will be liable for forfeiture in the event of the contractor violating any of the conditions of the contractor and will be set against any claim or expenditure incurred by BHEL on account of acts of omission/negligence on the part of the contractor.

Settlement of Disputes/Arbitration- All disputes arising in connection with the contract shall be settled by mutual consultation. If no agreement is reached, the dispute shall be settled in accordance with Arbitration and conciliation Act, 1996 and the rules made there under. The dispute shall be referred for arbitration to any



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Fabrication, Stamping & Insulator Plant (FSIP)
जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

arbitrator to be appointed by the Head of Unit- FSIP, Jagdishpur. The award of the arbitrator shall be final and binding on both the parties. The venue of the arbitration shall be at Amethi. The award to be given by the Arbitration shall be a speaking award. All questions, disputes, differences arising under, out of or in connection with this contract shall be to the exclusive jurisdiction of Amethi (U.P.), court.

Indemnity- That BHEL-Jagdishpur will not, in any manner be responsible for any act, omission or commission of the workers engaged by contractor and no claim in this respect will lie against BHEL-Jagdishpur. If any such claim is made against BHEL-Jagdishpur by any worker or his heirs engaged/employed by the contractor, which BHEL-Jagdishpur is obliged to discharge by virtue of any statute or any provision of law and rules due to mere fact of the workers of the contractor working at BHEL-Jagdishpur premises or otherwise, the contractor will be liable to indemnify/reimburse BHEL-Jagdishpur all the money paid in addition to the expenses incurred by him. The contractor must indemnify and keep indemnified BHEL- Jagdishpur against all losses and claims for injuries or damage to any person or property whatsoever which may arise of or in course of the operation of the contract and against all claims, demands, proceedings, damages, cost, charges and expenses whatsoever in respect of contingencies depicted herein shall be deemed as expected risk.

In witness where the parties there to have here under signed the agreement.

Signature of the Contractor

For and on behalf of

Name
Designation

Bharat Heavy Electricals Ltd.
FSIP, Jagdishpur

Witness:

1.Name

Address

2.Name

Address



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

Annexure-20

Declaration Regrading MSE status

Any Bidder falling under MSE category shall furnish the following details & submit documentary evidence/ Govt. Certificate etc. in support of the same along with their techno-commercial offer.

Type under MSE	SC/ST Owned	Women Owned	Others (excluding SC/ST & Women Owned)
Micro			
Small			

Note: If the bidder does not furnish the above in the tender, offer shall be processed construing that the bidder is not falling under MSE category.



भारत हेवी इलेक्ट्रिकल्स लिमिटेड
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जगदीशपुर / Jagdishpur

General condition of Contract-Rev. 03G

ANNEXURE – 21

DECLARATION REGARDING TREATMENT OF CASES REGARDING CONFLICT OF INTEREST

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

To,

BHEL FSIP
Jagdishpur, Amethi-227817

Dear Sir,

Ref: 1) Bid Specification No:
2) All other pertinent issues till date

The bidder notes that a conflict of interest would said to have occurred in the tender process and execution of the resultant contract, in case of any of the following situations:

- i) If its personnel have a close personal, financial, or business relationship with any personnel of BHEL who are directly or indirectly related to the procurement or execution process of the contract, which can affect the decision of BHEL directly or indirectly;
- ii) The bidder (or his allied firm) provided services for the need assessment/ procurement planning of the Tender process in which it is participating;
- iii) Procurement of goods directly from the manufacturers/suppliers shall be preferred. However, if the OEM/ Principal insists on engaging the services of an agent, such agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender. Moreover, either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored. However, this shall not debar more than one Authorised distributor (with/ or without the OEM). from quoting equipment manufactured by an Original Equipment Manufacturer (OEM) in procurements under a Proprietary Article Certificate.
- iv) A bidder participates in more than one bid in this tender process. Participation in any capacity by a Bidder (including the participation of a Bidder as a partner/ JV member or sub-contractor in another bid or vice-versa) in more than one bid shall result in the disqualification of all bids in which he is a party. However, this does not limit the participation of an entity as a sub-contractor in more than one bid if he is not bidding independently in his own name or as a member of a JV. The Bidder declares that they have read and understood the above aspects, and the bidder confirms that such conflict of interest does not exist and undertakes that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s), in this regard. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. **In case, the Bidder is found having indulged in above activities, the same will be considered as a violation of the tender conditions, and suitable action shall be taken by BHEL as per extant policies/ guidelines.**

Thanking you,

Yours faithfully,

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



Section-III

SPECIAL TERMS AND CONDITIONS (STC)

(The 'Special Terms and Conditions' given hereunder supersede the relevant terms and conditions given in 'General Condition of Contract').

- 1.0) PRE-QUALIFYING REQUIREMENT:** All the following conditions are to be satisfied by the bidder. Relevant Documentary proofs are to be enclosed with techno –commercial bid adhering to these conditions. **In case the bidder fails to enclose the same offer is liable to be rejected.**

Sl. No.	Description of Qualifying requirement
1.1	a. The Party should be OEM of Similar type of Segmental Notching CNC machine with three axes or more OR must have successfully completed the retrofitting of Similar Segmental Notching CNC machine with three axes or more with Siemens 828/Sinumerik One /840D/840D SL during the last 7 years ending last day of month previous to the one in which applications are invited should be any of the following (The completion of the work shall be within 7 years irrespective of the date of Purchase/Work order) :- i) Three completed/executed works each costing not less than the amount equal to ₹ 62.92 Lakhs excl. GST. OR ii) Two completed / executed works each costing not less than the amount equal to ₹ 78.65 Lakhs excl. GST. OR iii) One completed / executed works each costing not less than the amount equal to 125.84 Lakhs excl. GST. b. The above retrofitted /commissioned / supplied machine should be running satisfactorily for at least 6 months prior to tender inviting date. 6 months period will be calculated on the basis of commissioning certificate/performance certificate/e-mail from vendor's customers provided/received. Vendor to provide P.O./W.O. copies and commissioning/performance certificates for satisfactory operation of the above machines along with name, address & contact details including e-mail IDs, telephone numbers of their customer*. In case commissioning/performance certificates is not provided, e-mail confirmation from customer of bidder will be considered as commissioning /performance certificates. E-mail IDs should preferably be based on the customer's domain name. BHEL reserves the right to verify the information provided through suitable means viz. e-mail, telephonically or visit of BHEL team as per the discretion of BHEL. All the papers must be self-attested by the vendor along with company seal. *Customer would mean eventual user who is using the referred machine.
	Average Annual Financial turnover during the any last 3 consecutive years ending 31st March of the previous financial year (i.e. FY 2025-26, 2024-25, 2023-24 & 2022-23) should be ₹ 47.19 Lakhs. Audited Profit & loss account and balance sheet to be submitted for any last 3 consecutive years (i.e FY 2025-26 ,2024-25, 2023-24 & 2022-23).

1.2	In case audited balance sheet and profit & loss account are not available, turn over certificate for said 3 years duly certified by chartered accountant to be submitted.
1.3	Definition of “Retrofitting of Similar Notching CNC machine with three axes” The below mentioned CNC machines retrofitting/upgradation work will be considered for the above criteria- 1. Segment Notching CNC machine with 3 axes or more.

2.0 DESCRIPTION OF WORK:

Retrofitting/Upgradation of MULLER WEINGARTEN SEGMENTAL NOTCHING (NNS 3-32) MACHINE INCLUDING COMMISSIONING AND PROVE-OUT

The scope of work covers the complete retrofitting, modernization, testing, commissioning, and prove-out of the existing MULLER WEINGARTEN Segmental Notching Machine (Model: NNS 3-32). The objective of the retrofit is to replace obsolete control hardware and electrical systems with state-of-the-art technology to improve reliability, maintainability, operational efficiency, diagnostics capability, and long-term availability of spare parts and technical support.

The retrofit shall include complete engineering, design, supply, installation, integration, testing, commissioning, performance verification, documentation, training, and job prove-out as specified in this tender.

2.1 Replacement of Existing CNC and Drive System

- Dismantling and removal of the existing DOS-based Industrial PC, CNC system, associated control hardware, and accessories.
- Supply, installation, integration, testing, and commissioning of a new CNC system complete with all necessary hardware, software, licenses, communication modules, accessories, and engineering tools.
- Replacement of all existing obsolete axis drives and motors of X, Y, and Z axes with new AC Servo Drives and AC Servo Motors of suitable rating and performance.
- Supply and installation of all associated feedback devices, encoders, power cables, signal cables, connectors, mounting accessories, and interface hardware required for complete functionality.
- The new system shall provide equal or better performance than the existing machine in terms of accuracy, repeatability, reliability, diagnostics, and productivity.

2.2 Upgradation of PLC System

- Dismantling and removal of the existing TR-Systemtechnik PLC system and associated hardware.
- Supply, installation, programming, testing, and commissioning of the latest Siemens PLC platform.
- Migration and redevelopment of all machine logic, interlocks, alarms, diagnostics, and machine operating sequences.
- The new PLC system shall be fully expandable and support future modifications, diagnostics, and maintenance activities.
- Complete PLC source code, project files, comments, symbols, cross references, and documentation shall be handed over to BHEL.

2.3 Supply of New Control Panel

- Design, engineering, fabrication, assembly, wiring, testing, supply, installation, and commissioning of a new electrical control panel.

- The panel shall house CNC hardware, PLC hardware, servo drives, power supplies, switchgear, protection devices, relays, communication modules, terminal blocks, cooling arrangements, illumination, service sockets, and all associated accessories.
- The panel shall be designed in accordance with relevant industrial standards and suitable for continuous operation under shop-floor conditions.
- Adequate provisions shall be made for future expansion and maintenance accessibility.

2.4 Provision of New CNC Operating Panel

- Supply and installation of a modern CNC Operating Panel integrated with the proposed CNC system.
- The CNC display shall provide complete visualization and monitoring of linear axes (X & Y) and rotary axis (Z).
- **Development and commissioning of customized CNC/HMI screens for:**
 - Parametric program generation.
 - Machine operation.
 - Diagnostics and troubleshooting.
 - Alarm and event monitoring.
 - Production monitoring.
 - Maintenance functions.
 - Parameter management.
 - Backup and restoration functions.
- The HMI shall be user-friendly and designed for convenient operation by machine operators and maintenance personnel.

2.5 New Operator Pendant

- Supply and installation of a new ergonomically designed operator pendant.
- The pendant shall accommodate the CNC display, operator controls, push buttons, selector switches, emergency stop, handwheel (if applicable), status indicators, and other controls necessary for machine operation.
- The pendant shall be designed for ease of operation, maintenance, and accessibility.

2.6 Machine Rewiring and Component Replacement

- Replacement of obsolete cables, wiring harnesses, connectors, terminal blocks, switchgear, relays, and associated electrical components as required.
- Complete rewiring of the machine in accordance with updated electrical schematics and applicable industrial standards.
- All wiring shall be ferruled, identified, properly routed, and terminated through terminal blocks.
- New cables shall be provided wherever required for power, control, signal, encoder, communication, and interface applications.
- The retrofitted machine shall comply with current electrical safety and engineering practices

2.7 Complete System Integration and Performance Responsibility

The supplier shall be fully responsible for successful integration of the CNC, PLC, servo drives, servo motors, HMI, operator panels, electrical systems, and machine mechanisms as a complete functional system. The scope shall include all hardware, software, accessories, engineering efforts, and services required to achieve

satisfactory machine performance, irrespective of whether specifically mentioned in the tender documents.

The machine shall be considered successfully retrofitted only after satisfactory commissioning, performance verification, job prove-out, submission of documentation, and formal acceptance by BHEL.

3.0) DETAILS OF THE EXISTING SYSTEMS:

3.1) Machine Overview

The **MULLER WEINGARTEN SEGMENTAL NOTCHING Machine (Model: NNS 3-32)** is a CNC-controlled precision machine used for manufacturing **segment laminations and lamination stacks** for electric motors and generators. The machine is currently operated through an **MS-DOS-based industrial PC**, integrated with a modular control system designed specifically for segment notching applications.

The machine incorporates the following axis configuration:

- **X-Axis:** Linear positioning
- **Y-Axis:** Linear positioning
- **Z-Axis:** Rotary positioning

These axes facilitate the accurate positioning and notching of laminations based on parameters such as punch radius, clamp dimensions, and other geometric inputs. The proprietary software allows complete program-based control of machine movements to meet production requirements for manufacturing individual laminations as well as lamination stacks used in electric generators and motors.

3.2) Existing CNC / PLC Rack Configuration:

The present CNC and PLC control system is built around TR-Systemtechnik (TRS) control modules and Pilz safety PLC modules. The rack configuration is as follows:

S. No.	Make	Type No.	Description	Qty
1	TRS	FOX 10	Control Module	3
2	TRS	FOX 20	Control Module	1
3	TRS	MDI8	Digital Input Module	8
4	TRS	MDO8	Digital Output Module	5
5	TRS	MA04	Analog Module	1
6	Pilz	PNOZ m1 P	Safety Controller	1
7	Pilz	PNOZ mc1p	Safety Expansion Module	1
8	Pilz	PNOZ mo2p	Safety Output Module	4

HMI- BECKHOFF make, Model: CP7132-0001-0030

Industrial PC: BECKHOFF make

3.3) Details of existing motors & drives are as under:

Rexroth Make Filter – HZF 01.1-WD10N.

Rexroth Make DC power Supply Module – HVR 02.2-W010N

Motor	Motor Description	Drive Type						
X-axis	Rexroth make 3 phase AC permanent magnet Motor Type No. MHD093C-058-PG1-AA with holding brake and external encoder. Rating: <table><tr><td>Nm</td><td>RPM</td></tr><tr><td>Natural Convection : 23 Nm</td><td>1000 Rpm</td></tr><tr><td>Surface Cooled : 34.5 Nm</td><td>N max 4000</td></tr></table>	Nm	RPM	Natural Convection : 23 Nm	1000 Rpm	Surface Cooled : 34.5 Nm	N max 4000	Rexroth HDS03.2-W100N-HS12-01-FW with control card DSS02.1M & DAG01.2M
Nm	RPM							
Natural Convection : 23 Nm	1000 Rpm							
Surface Cooled : 34.5 Nm	N max 4000							
Y-axis	Rexroth make 3 phase AC permanent magnet Motor Type No. MHD093C-058-PG1-AA with holding brake and external encoder. Rating: <table><tr><td>Nm</td><td>RPM</td></tr><tr><td>Natural Convection : 23 Nm</td><td>1000 Rpm</td></tr><tr><td>Surface Cooled : 34.5 Nm</td><td>N max 4000</td></tr></table>	Nm	RPM	Natural Convection : 23 Nm	1000 Rpm	Surface Cooled : 34.5 Nm	N max 4000	Rexroth HDS03.2-W100N-HS12-01-FW with control card DSS02.1M & DAG01.2M
Nm	RPM							
Natural Convection : 23 Nm	1000 Rpm							
Surface Cooled : 34.5 Nm	N max 4000							
Z-axis	Rexroth make 3 phase AC permanent magnet Motor Type No. MHD093C-058-PG1-AA with holding brake. Rating: <table><tr><td>Nm</td><td>RPM</td></tr><tr><td>Natural Convection : 23 Nm</td><td>1000 Rpm</td></tr><tr><td>Surface Cooled : 34.5 Nm</td><td>N max 4000</td></tr></table>	Nm	RPM	Natural Convection : 23 Nm	1000 Rpm	Surface Cooled : 34.5 Nm	N max 4000	Rexroth HDS03.2-W100N-HS12-01-FW with control card DSS02.1M
Nm	RPM							
Natural Convection : 23 Nm	1000 Rpm							
Surface Cooled : 34.5 Nm	N max 4000							
Main Drive Notching Station	3 Phase AC 12 KW 26 AMP with Encoder HTL 1024 S/R H35 Simotics3~(1P) 1 PH7 107-7HG220BK3	SIMOVERT Masterdrive VC KOMPACT PLUS						



SPECIFICATIONS		Vendor's Confirmation & Remarks
(Vendor should furnish Technical datasheets, details & Type Nos. of the items i.e., CNC, PLC, Motors, Drives etc. being offered along with offer)		
4.0	SCOPE OF MATERIAL SUPPLY	
4.1	A) Supply of Siemens SINUMERIK ONE CNC Control System complete with Operator Panel, software, licenses, accessories, and engineering tools. The CNC system shall be capable of simultaneous control of three (03) axes (X, Y, and Z) and shall comprise the following minimum configuration: - SINUMERIK ONE CNC with NCU 1740 and integrated SIMATIC S7-1500F PLC. - SINUMERIK CNC Software Version 6.22 with licensed SD Card. - CP-Comfort Operation Extension. - SINUMERIK PCU-Base Software. - SIMATIC IPC 427E Standard Performance Industrial PC with Windows 10 Operating System. - SIMATIC ITC1900 V3 Industrial Multi-Touch Display, 19-inch, 16:9 HD format, complete with TCU. - Industrial Alphanumeric Keyboard. - MCP 398C Machine Control Panel. - One (01) Industrial-grade Laptop preloaded with all necessary engineering, commissioning, diagnostic, backup/restore, PLC programming, CNC programming, HMI configuration, and drive commissioning software along with all required accessories. - OPC UA License for CNC communication and Industry 4.0 connectivity. The CNC, HMI, PLC, and associated software shall be supplied with all necessary licenses, communication interfaces, adapters, connectors, cables, manuals, and accessories required for complete commissioning, operation, maintenance, diagnostics, data backup/restoration, and future modifications. Make: Siemens SINUMERIK ONE CNC Control System with OPC UA license.	

	B) The CNC HMI shall be provided with additional customized and configured screens, apart from the standard machine operation screens, to facilitate parametric programming, job setup, parameter entry, production data input, and operator guidance. The customized HMI screens shall be designed to enable user-friendly generation, editing, validation, and execution of part programs based on process parameters entered by the operator, thereby minimizing manual CNC programming requirements. The CNC programming logic, parametric program structure, and HMI screen configuration shall be developed and implemented in accordance with the functional requirements, process sequence, and programming methodology specified in Annexure-A. The bidder shall develop, configure, test, and commission the complete parametric programming package, including all HMI screens, CNC cycles, macros, variables, and associated PLC interfaces required for automatic generation and execution of CNC programs as per Annexure-A. All source files, project files, documentation, and licenses related to the customized HMI screens and parametric programming package shall be handed over to BHEL at the time of commissioning.	
4.2	New AC Servo Motors to be supplied of suitable capacity (in line with ratings of existing motors and to suit Torque requirements in the respective speed ranges) with inbuilt encoders along with accessories in place of existing AC permanent magnet Motor for X&Y and Z-axes. Servo motors Make: Siemens Note: Suitable New couplings, mounting brackets, pulleys & belts shall be supplied for X,Y & Z axis servo motors.	
4.3	Supply of VFD for 3 Phase Induction motor for fly wheel application of below rating 12 KW, 1445 rpm. VFD Make: Siemens/ABB	
4.4	Siemens make Sinamics AC drives (infinitely variable) along with accessories, switchgear and the applicable LINE REACTOR & LINE FILTER to run the above AC Motors – 3 Nos. Make of drives, line reactor & line filter : Siemens	
4.5	Siemens make Simatic S7-1500F PLC with accessories and required no. of modules.	
4.6	Machine control panel (MCP) to be supplied for operating machine functions like Jog, MDI, Auto modes Make of MCP: Siemens Mini handheld unit spiral cable, length 2.1 m (can be stretched to 3.5 Make of mini handheld unit : Siemens	

4.7	Fully wired free standing floor mounting type Control panel with minimum IP54 degree of protection incorporating PLC, DRIVES, POWER SUPPLIES, TRANSFORMERS etc. and new switchgear for above items and for hydraulics, lubrication motors etc. & accessories. Make of control panel: RITTAL. Thickness of the sheet shall be 13 BWG gauge. Panels shall have Eye hooks for lifting purpose. Height of the control panel shall not exceed 2000 mm. Cubicle lighting with environment-friendly and energy-efficient LED lamps and 2 numbers of 3 pin utility plug sockets (220V AC, 5/15 Amps) with ON/OFF switches shall be provided inside the panels. All electrical & electronic cabinets/panels shall be dust & vermin proof. Vendor should implement necessary measures (like concealing the openings) to prevent entry of RATS & VERMINS into the panels/pendants/cabinets.	
4.8	Main Control panel & OPERATOR pendant should be equipped with sufficient Air conditioning unit of RITTAL/ADVANCE/SUNBEAM/WERNER FINLEY make.	
4.9	Fully wired Swiveling Type Operator Pendant (Angle of Swivel: 180°) of RITTAL/reputed make incorporating operator display unit/CNC and new control equipment i.e., selection switches, pushbuttons, indication lamps etc. & accessories. The pendant to be mounted in place of the existing pendant.	
4.10	Auxiliary Operator station should be replaced with new operator station as per existing setup. All the push buttons & Emergency and foot switch are replaced with new items.	
4.11	Indication lamps should be provided wherever required.	
4.12	Suitable junction boxes / connectors to be arranged on the machine for interfacing between PLC and machine elements. The cable drag chains are to be replaced with New drag chains.	
4.14	24 Volt DC regulated power supply of suitable capacity for CNC, PLC and I/Os – MAKE: Siemens	
4.15	Electrical switchgear should be replaced with new switchgear of the following makes: Contactors, MCBs, OLRs, Lamps, Push buttons Make: Siemens Relays: Make: Omron Terminal blocks: Make: Wago Cables, Conduits, Glands Make: Lapp, Germany	
4.16	Cables: Suitable cables between Operator Pendant, drives, motors (Lubrication motor etc.) and machine. Approximate Length of cables are as indicated below: MAKE: LAPP From to Length	

	Main Panel Operator panel 15 m Main Panel Servo motors 20 m Main Panel Lub. Motor 15 m Total wiring of the machine to be replaced. Note: Sufficient number of spare cables (for machine I/Os etc.) should be provided at all locations on the machine. Feedback & Power cables for Siemens make motors, drives & accessories shall be supplied with Siemens make pre-assembled cables only	
4.17	Relevant Control Transformers for 220V AC, 110V AC, 24V AC. Reputed make with test certificates.	
4.18	List of auxiliary motor for which switchgear should be provided in the panel (Voltage 3 x 415 V AC) and control & power wiring should be replaced: (Motors shall be retained.) Lubrication motor : 0.09 kw	
4.19	Entire Machine rewiring including replacement of cables inside drag chains. Make of wiring cables, conduits & glands: LAPP, Germany (with drag chain grade wherever applicable) Flexible PVC Conduits to be employed for power and control cables. Make: LAPP, Germany	
4.20	Design, manufacture, supply and mounting of Flanges, brackets, pulleys, couplings and Belts to mount X,Y& C motors.	
4.21	Design, manufacture, supply and mounting of suitable protective guards for motors etc.	
4.22	New Cable drag chains are to be provided for Pneumatic & Servo motor cables.	
4.23	Supplier shall provide following tools and accessories: i) True RMS Digital Multimeter (Fluke Make, Model 115) complete with test probes, suitable for measuring AC/DC voltage, current, resistance, and other electrical parameters for maintenance of the supplied accessories – Qty.: 1 No. ii) Screwdriver Toolkit Set (Taparia Make) for maintenance of the supplied accessories – Qty.: 2 Sets iii) Tool Box (Force Make, Model 2462) for mounting and dismantling of drives and CNC accessories – Qty.: 2 Nos. iv) Allen Key Set with T-shaped handles, covering sizes from 1.5 mm to 10 mm – Qty.: 2 Sets v) USB Pen Drive, 64 GB capacity, for storage and maintenance of NC, PLC, and part programming data – Qty.: 3 Nos. vi) External SSD Hard Disk, 1 TB capacity with USB 3.1 interface, for storage and	

	backup of machine data and programming data – Qty.: 1 No	
4.24	Digital Energy meter of reputed make with Ethernet communication facility should be mounted on main control panel to indicate and record total consumption of electric power for the machine including auxiliary systems.	
4.25	The Supplier shall provide, as part of the standard scope of supply, all application software, engineering tools, hardware, accessories, licenses, and documentation required for configuration, programming, commissioning, diagnostics, maintenance, troubleshooting, backup, restoration, and future support of the supplied CNC, PLC, HMI, and Drive systems. The scope shall mandatorily include: • One (01) Industrial Grade Engineering Laptop. • One (01) SINUMERIK ONE CNC Control Toolbox SSD (External). • All necessary licensed engineering software packages. • Communication interfaces, adapters, converters, connectors, programming cables, interface cables, and accessories required for engineering and maintenance activities. The scope of supply shall be deemed complete in all respects and shall include, but not be limited to, all hardware, software, licenses, accessories, and services required for the following: 1. Establishing communication with CNC, PLC, HMI, and Drive systems. 2. Online monitoring, troubleshooting, diagnostics, debugging, and fault analysis. 3. Initial commissioning, re-commissioning, and system recovery. 4. PLC program creation, editing, compilation, downloading, uploading, monitoring, troubleshooting, and maintenance. 5. CNC program creation, management, optimization, diagnostics, backup, and restoration. 6. HMI configuration, customization, screen development/modification, commissioning, backup, and restoration. 7. Creation, transfer, storage, backup, restoration, and archival of all machine data, parameters, PLC programs, CNC programs, HMI projects, drive parameters, and configuration files. 8. Firmware management, software updates, patch installation, and system recovery functions wherever applicable. 9. Drive parameterization, tuning, diagnostics, and backup/restore functions. The Bidder shall ensure that: a) All supplied software is genuine, legally licensed, and registered in the name of BHEL. The licenses shall be perpetual and transferable to BHEL unless otherwise specifically stated and accepted by BHEL. b) The supplied Industrial Laptop shall be fully compatible with all supplied	

	software tools and shall be capable of carrying out engineering, commissioning, diagnostics, maintenance, backup, restoration, and data management functions without requiring any additional hardware or software. c) All communication hardware, interface modules, adapters, converters, connectors, and cables necessary for seamless connectivity with the supplied CNC, PLC, HMI, and Drive systems shall be included in the scope of supply. d) No additional hardware, software, subscriptions, annual maintenance contracts, activation keys, dongles, licenses, accessories, or third-party tools shall be required from BHEL for performing engineering, commissioning, diagnostics, maintenance, backup, restoration, or modification activities. e) All administrator passwords, access credentials, project files, source codes, PLC source programs, CNC projects, HMI project files, drive configuration files, software licenses, documentation, and engineering data required for future maintenance and modification shall be handed over to BHEL at the time of commissioning. f) The supplied software shall not contain any functional restrictions that prevent BHEL from independently carrying out engineering, diagnostics, backup, restoration, maintenance, or modification activities. The Bidder shall demonstrate at site, using the supplied Industrial Laptop, all functionalities of the supplied engineering tools and software, including communication setup, online monitoring, diagnostics, parameter management, PLC/CNC program upload-download, project backup and restoration, system configuration, firmware handling, and fault-finding functions to the complete satisfaction of BHEL. Any hardware, software, license, cable, adapter, accessory, utility, or engineering tool not specifically mentioned but required for successful execution of the above functions shall be deemed included in the Supplier's scope of supply at no extra cost to BHEL.	
4.26	TRAINING (i) Maintenance Training The Supplier shall arrange training through the Original Equipment Manufacturer (OEM) on maintenance, diagnostics, troubleshooting, programming, backup/restoration, and configuration of the supplied CNC, PLC, and Drive systems for two (02) BHEL personnel, free of cost. The training shall cover both theoretical and practical aspects and shall enable BHEL personnel to independently maintain and troubleshoot the supplied systems. The cost of travel, lodging, boarding, and local conveyance of the trainees shall be borne by BHEL. (ii) Operator Training The Supplier shall arrange operator training for four (04) BHEL personnel at the BHEL site, free of cost. The training shall include machine operation, CNC/HMI operation, parametric program generation, alarm handling, machine setup procedures, safety features, routine maintenance checks, and operating practices required for efficient use of the machine.	

4.27	Any item, component, hardware, software, accessory, cable, connector, mounting arrangement, interface device, or service not specifically mentioned in this specification but required for successful retrofitting, installation, commissioning, safe operation, reliable performance, and completeness of the electrical, electronic, CNC, PLC, drive, HMI, and control systems of the machine shall be deemed to be included in the Vendor's scope of supply and services at no additional cost to BHEL.	
5	SCOPE OF WORK	
	ELECTRICAL AND ELECTRONICS	
5.1	Dismantling and safe removal of the existing drives, motors, CNC/PLC controls, electrical panels, operator panels, machine wiring, communication cables, and all associated accessories required for retrofitting.	
5.2	Supply, mounting, alignment, installation, testing, and commissioning of all new servo drives, spindle drives, servo motors, spindle motors, feedback devices, and associated accessories.	
5.3	Installation, wiring, testing, and commissioning of the new electrical control panel, operator panel/pendant, and all associated electrical equipment.	
5.4	Supply, installation, wiring, and commissioning of new push-button stations, selector switches, indicator lamps, and operator interface devices in place of the existing units wherever required for machine operation.	
5.5	Complete I/O wiring, cable laying, termination, testing, and commissioning inside control panels, pendants, junction boxes, terminal boxes, and field devices. All wires shall be ferruled at both ends, and all devices, terminals, cables, panels, and junction boxes shall be properly identified with engraved nomenclature tags in accordance with the approved electrical drawings.	
5.6	Development, testing, and commissioning of PLC logic and CNC machine functions in line with the existing machine operating sequence, electrical drawings, interlocks, and safety requirements.	
5.7	Development, customization, and commissioning of CNC HMI screens in accordance with Clause 4.1 (b), including operator-friendly machine diagnostics, alarms, status indications, maintenance screens, and machine operation screens.	
5.8	Complete machine wiring, including all power, control, signal, encoder, feedback, communication, and interconnecting cables between electrical panels, pendants, drives, motors, PLC, CNC, HMI, field devices, and machine elements.	
5.9	Integration and interfacing of the new CNC, PLC, drives, motors, feedback systems, and control hardware with the existing machine mechanisms and auxiliary systems to achieve full machine functionality.	
5.10	Integration and interfacing of hydraulic systems, lubrication systems, coolant systems, pneumatic systems, safety circuits, limit switches, sensors, and all other machine auxiliaries with the new control system.	
5.11	Testing, calibration, performance verification, and complete commissioning of the machine, including proving of all machine functions, operating cycles, interlocks, alarms, diagnostics, and safety features.	

5.12	Preparation and submission of updated electrical schematics, wiring diagrams, PLC documentation, CNC configuration data, I/O lists, cable schedules, terminal details, and as-built drawings after completion of the work.	
5.13	The supplier shall conduct training for BHEL personnel covering operation, diagnostics, maintenance, backup/restoration procedures, PLC/CNC software handling, and troubleshooting of the supplied system.	
5.14	The bidder shall thoroughly study all available machine drawings and documents and shall inspect the machine at site before submission of the offer. Submission of the offer shall be deemed as confirmation that the bidder has understood the complete scope of work and has included all materials, hardware, software, engineering efforts, accessories, and services necessary for successful completion of the retrofit work. No additional claim arising out of inadequate site inspection or insufficient understanding of the scope shall be entertained by BHEL.	
	INSTALLATION AND COMMISSIONING	
5.15	Installation, testing, commissioning, and integration of the CNC system, Servo Motors, Servo Drives, PLC, Operator Panel (OP), HMI, and all associated hardware/software shall be carried out by the Supplier. The Supplier shall develop and commission special CNC HMI screens for generation of parametric programs as specified in Clause 4.1(b). The CNC system shall have an automatic restart/recovery feature whereby, in the event of power failure or interruption during batch production of laminations, the system shall retain the machine status, production count, and program execution point. Upon restoration of power, the machine shall be capable of resuming production from the last interrupted cycle without requiring repetition of completed operations or manual reprogramming.	
5.16	Verification, testing, tuning, and proving of the performance and functionality of the X, Y, and Z axes, including positioning accuracy, repeatability, backlash compensation, interpolation, and synchronized operation.	
5.17	Verification and commissioning of Hydraulic and Lubrication systems, including all interlocks, monitoring functions, alarms, and safety protections.	
5.18	Verification, testing, and commissioning of all other machine auxiliary systems and functions required for satisfactory operation of the machine	
5.19	Verification and proving of all PLC logic, machine interlocks, safety circuits, emergency stop functions, permissive conditions, alarms, diagnostics, and protective features.	
5.20	Complete prove-out of the machine in totality. All functions, operating sequences, machine features, interlocks, diagnostics, protections, and capabilities available in the existing system shall be fully retained or improved in the retrofitted system. No existing machine functionality shall be lost due to the retrofit.	
5.21	Final commissioning, machine prove-out, CNC program validation, production cycle validation, and job prove-out shall be entirely within the Supplier's scope of work. The Supplier shall successfully demonstrate machining/production of the following laminations using the retrofitted machine. Laminations and raw material shall be supplied by BHEL:	

	1. Large electrical Motor (LEM) Stator – Segment — Dia 1700 / 2000 / 2100 / 2300 / 2600 mm 2. Large electrical Motor (LEM) Rotor – Segment — Dia 1851 mm 3. 6FRA Stator & Rotor — Circular — 700 mm 4. Industrial Motor 3302 Stator & Rotor — Circular — Stator Dia 550 mm & Rotor Dia 325 mm 5. Traction Armature 4502 — Circular — Stator Dia 620 mm 6. 800 MW variant — Stator punching — as per stator dimension. The Supplier shall establish and optimize all CNC programs, PLC functions, machine parameters, tooling offsets, and operating sequences necessary for successful completion of the above demonstrations. The machine shall be considered for Final Acceptance only after successful completion of commissioning, machine prove-out, performance testing, and demonstration of all the above jobs to the satisfaction of BHEL.	
5.22	After completion of all retrofit and commissioning activities, the machine and newly supplied panels, covers, and fabricated structures shall be properly cleaned, surface prepared, and painted with two coats of Apcolite Premium Enamel Paint (Asian Paints), Opaline Green Colour, or equivalent approved by BHEL. The finished paint surface shall be smooth, uniform, and free from visible defects, scratches, rust, oil, or surface contamination.	
6	DOCUMENTATION	
6.1	The Supplier shall provide complete soft copies of the following documents, software, engineering data, and backups on three (03) identical External SSDs: (i) Installation, Commissioning, Operation, Maintenance, Troubleshooting, and Service Manuals for all supplied equipment including CNC, PLC, HMI, Drives, Motors, Power Supplies, Communication Modules, and associated accessories. (ii) Complete machine backup package comprising: • CNC system complete backup. • CNC system image/restore image. • HMI project backup and source files. • PLC project backup including source program, symbols, comments, and configuration files. • Drive parameters and configuration backups. • Machine data, tool data, offsets, compensation data, and parameter files. • Communication configuration files. • Firmware versions and recovery files, wherever applicable. • Memory card/CF card/SD card images, wherever used. • Special HMI development files and source code. • Parametric programming files and related software. • Any other software, configuration, or engineering data required for	

	complete restoration of the machine in the event of data corruption, hardware replacement, or system crash	
6.2	Soft Copies on Three (03) Nos. External SSDs and Hard Copies in Three (03) Sets The Supplier shall provide the following documents in both soft copy and hard copy formats: (i) As-built General Arrangement Drawings, Panel Layout Drawings, Cable Routing Drawings, Terminal Diagrams, Interconnection Drawings, and complete Electrical Circuit Diagrams. (ii) Complete PLC documentation including: • PLC source program printout. • Symbol tables. • Comments and annotations. • Cross-reference list. • I/O address list. • Network descriptions. • Function block descriptions. All documentation shall be in English language. (iii) Complete PLC Alarm, Event, Diagnostic, and Operator Message List with detailed descriptions and corrective actions. (iv) Details of all mechanical modifications, fabricated parts, mounting arrangements, brackets, fittings, and structural changes carried out during the retrofit, along with detailed drawings and dimensions. (v) Complete Bill of Materials (BOM) for all supplied equipment, including manufacturer name, model number, part number, and quantity. (vi) Spare Parts List, Recommended Maintenance Schedule, Preventive Maintenance Instructions, and Troubleshooting Guide. (vii) Complete CNC machine configuration report including machine parameters, axis configuration details, drive settings, and system architecture.	
6.3	Ownership and Handover Requirements All software licenses, source programs, engineering project files, backups, passwords, access credentials, configuration files, and documentation shall be handed over to BHEL without restriction. The supplied documentation shall be sufficient to enable BHEL to independently maintain, modify, restore, troubleshoot, and recommission the system in the future without requiring support from the Supplier. Submission and approval of the above documents shall be a prerequisite for Final Acceptance of the machine.	

7	GENERAL POINTS	
7.1	The bidder is advised to visit BHEL works and inspect the machine, which is presently in working condition, before submission of the offer. Submission of the offer shall be deemed as confirmation that the bidder has fully understood the machine condition, scope of work, and associated requirements.	
7.2	The machine shall be made available to the supplier for retrofit and modification activities for a maximum period of Four (4) weeks from the date of machine shutdown. The supplier shall submit a detailed activity schedule and deployment plan before commencement of work.	
7.3	Prior to commencement of panel manufacturing and engineering activities, the supplier shall submit General Arrangement Drawings, Electrical Schematics, Panel Layout Drawings, I/O Lists, Cable Schedules, and System Architecture Drawings for BHEL approval. Manufacturing activities shall commence only after obtaining approval from BHEL.	
7.4	The supplier shall be fully responsible for completeness of design, engineering, software, hardware, accessories, bought-out items, consumables, tools, cables, connectors, interface devices, and all other materials required for successful installation, commissioning, machine prove-out, and reliable operation of the machine. No additional material, hardware, software, or services shall be supplied by BHEL unless specifically mentioned in the contract.	
7.5	The machine shall not be shifted outside BHEL premises for any activity related to the retrofit work.	
7.6	All existing CNC systems, PLCs, drives, motors, panels, cables, accessories, and other materials dismantled from the machine shall remain the property of BHEL and shall be carefully handed over to BHEL in good condition.	
7.7	All tools, tackles, testing instruments, lifting equipment, measuring instruments, software tools, and commissioning equipment required for dismantling, installation, wiring, testing, and commissioning activities shall be arranged by the supplier at his own cost on a returnable basis.	
7.8	BHEL shall not provide boarding, lodging, transportation, local conveyance, office facilities, or accommodation for the supplier's personnel. The supplier shall make all necessary arrangements at his own cost.	
7.9	All supplied equipment shall be suitable for operation on a 3-phase, 3-wire, 415 V AC $\pm 10\%$, 50 Hz $\pm 3\%$ power supply. The supplier shall be responsible for proper distribution and connection of the available power supply to all machine systems, control panels, drives, motors, and accessories.	
7.10	Complete cleaning of the machine, panels, cable trenches, and work area shall be carried out by the supplier before commencement of retrofit work and after completion of commissioning activities.	
7.11	All supplied equipment shall be tropicalized, industrial-duty type, and suitable for continuous operation under shop-floor conditions involving dust, humidity, temperature variations, vibration, and electrical noise.	
7.12	All electrical components, relays, contactors, terminal blocks, power supplies, communication modules, and accessories shall be mounted on standard DIN rails to the maximum extent possible.	

7.13	All electrical and electronic panels, pendants, and operator stations shall be provided with suitable locking arrangements. Adequate internal illumination and minimum one (01) number 230 V AC, 5/15 A switched service socket shall be provided inside each main electrical panel	
7.14	All external wiring shall terminate through properly rated terminal blocks. Incoming power terminals shall be suitably sized for cable termination. Cable colour coding, wiring practices, clearances, and spacing shall conform to applicable Indian and international standards.	
7.15	Engineering, planning, supply, laying, routing, termination, testing, and commissioning of all power, control, signal, communication, encoder, feedback, network, and interface cables shall be entirely within the supplier's scope.	
7.16	All wiring shall be neatly bunched, identified, ferruled, routed through cable trays/trenches/ducts, and properly protected against mechanical damage.	
7.17	AC power cables and signal/communication cables shall be segregated and routed separately to minimize electrical interference and ensure reliable system performance.	
7.18	The supplier shall prove all CNC functions, PLC logic, machine sequences, interlocks, drive performance, motor performance, diagnostics, alarms, safety functions, and machine operation to the complete satisfaction of BHEL.	
7.19	The supplier shall study the machine, scope of work, and available documentation and certify completeness of the scope. Any discrepancy, omission, or ambiguity observed shall be brought to the notice of BHEL before acceptance of the order. No additional claims arising from inadequate study of the machine or scope shall be entertained subsequently.	
7.20	Before dispatch of materials, the supplier shall arrange a pre-dispatch inspection (PDI) at his works for BHEL representatives. BHEL shall be informed at least ten (10) days in advance. Dispatch shall be made only after written clearance from BHEL. However, the requirement and extent of PDI shall remain at the sole discretion of BHEL.	
7.21	SAFETY FEATURES TO BE ENSURED BY THE SUPPLIER In addition to standard industrial safety requirements, the following minimum safety features shall be provided: (a) Adequate and reliable safety interlocks, protections, and monitoring systems to prevent damage to the machine, tooling, work piece, and operating personnel. (b) Continuous monitoring of machine functions with comprehensive diagnostics, alarms, warning messages, event logs, and fault history displayed on the HMI/CNC screen. (c) Proper support, clamping, routing, and protection of all cables to prevent damage and obstruction to machine operation and maintenance activities. (d) Electrical cables shall not be routed together with hydraulic, lubrication, coolant, pneumatic, or oil pipelines within the same cable tray, trench, or routing path. (e) Emergency Stop (E-Stop) circuits, safety relays, overload protection, short-circuit protection, and electrical isolation features shall comply with applicable	

	standards and good engineering practices.	
7.22	EARTHING The supplier shall provide a complete earthing system for all panels, pendants, motors, drives, CNC systems, PLC systems, HMI units, auxiliary equipment, and metallic structures supplied under this contract. A continuous copper earth bus shall be provided inside all electrical panels and pendants. All mounted components, panel doors, removable covers, cable armour terminations, and non-current carrying metallic parts shall be effectively bonded to the earth bus. Flexible copper earth bonds shall be provided for all hinged doors and movable parts.	
7.23	All bought-out items, electrical equipment, drives, motors, power supplies, communication devices, and other supplied equipment shall be furnished with manufacturer's test certificates, inspection reports, calibration certificates (where applicable), and performance test results.	

8.0) GUARANTEE / WARRANTY

The Supplier shall guarantee the complete retrofitted machine, including CNC system, PLC system, HMI, drives, motors, electrical panels, software, cables, accessories, and all supplied equipment against defects in design, engineering, software, materials, workmanship, and performance for a period of **eighteen (18) months from the date of successful commissioning and acceptance by BHEL.**

The guarantee shall cover the complete system as an integrated package and shall include all hardware, software, engineering, commissioning, and machine performance aspects.

8.1) During the guarantee period, the Supplier shall promptly attend to rectify any malfunction, defect, software issue, commissioning-related problem, performance deficiency, or operational problem observed in the Segmental Notching Machine at no additional cost to BHEL.

The Supplier shall provide technical support, troubleshooting assistance, and site services whenever required during the guarantee period.

8.2) The Supplier shall repair or replace, free of cost, any defective equipment, component, assembly, module, cable, software item, or accessory found defective due to faulty design, manufacturing defects, poor workmanship, software deficiencies, or material defects during the guarantee period.

The cost of replacement parts, transportation, packing, freight, insurance, labour, lodging, boarding, and commissioning services associated with such repairs or replacements shall be borne entirely by the Supplier.

8.3) Any repaired or replaced item shall be covered by a fresh warranty of twelve (12) months from the date of repair/replacement or for the balance warranty period of the machine, whichever is longer.

8.4) The Supplier shall respond to any warranty complaint within 48 hours of intimation by BHEL and shall depute qualified service personnel for troubleshooting and corrective action within a mutually agreed reasonable period.

8.5) If the Supplier fails to rectify the defect within a reasonable time after notification, BHEL reserves the right to undertake corrective action through other agencies at the Supplier's risk and cost, without prejudice to any other contractual rights available to BHEL.

8.6) Repeated failure of any component, subsystem, software module, drive, motor, CNC/PLC hardware, or associated equipment shall be treated as a design or quality issue, and the Supplier shall take necessary corrective action, including replacement with improved equipment, at no additional cost to BHEL.

8.7) The warranty shall include free software support, software bug fixes, parameter restoration assistance, backup restoration support, and technical guidance required to maintain the supplied system in satisfactory operating condition throughout the warranty period.

9.0) DELIVERY SCHEDULE

The complete scope of work, including design, engineering, supply of all materials, software development, panel manufacturing, inspection, installation, retrofitting, testing, commissioning, machine prove-out, job prove-out, submission of documentation, and final acceptance, shall be completed within **six (06) months** from the date of issue of the Work Order.

BHEL shall make the machine available for retrofit activities for a maximum period of **SIX (06) weeks** only, considering plant operational requirements. The supplier shall plan and complete all dismantling, installation, wiring, integration, testing, commissioning, and machine prove-out activities within this shutdown period.

The bidder shall intimate BHEL in writing regarding readiness for machine handover and commencement of retrofit activities at least **two (02) weeks in advance**. Such intimation shall, however, be given **not later than Eight (08) weeks before completion of the Sixth month from the date of Work Order**, enabling BHEL to plan production and machine release schedules.

The supplier shall ensure availability of all materials, software, engineering resources, manpower, tools, and testing equipment at site before machine shutdown so that no delay occurs during the allotted shutdown period.

The machine shall be considered successfully delivered only after satisfactory completion of retrofitting, commissioning, performance verification, job prove-out, submission of all drawings, software, backups, licenses, documentation, and formal acceptance by BHEL.

10.0) PERFORMANCE GUARANTEE:

The Performance of the Total Equipment and/or the Components / Sub- Assemblies /Bought-Out-Items shall be guaranteed for a minimum period of Eighteen months from the date of performance acceptance /commissioning at BHEL, FSIP.

10.1) Vendor shall submit performance bank guarantee of 10% of total work order value for the entire guarantee period of 18 months from the date of successful retrofitting of the machine.

10.2) Vendor shall attend the problems in machine related to retrofitted part free of cost during the guarantee period.

10.3) Vendor shall replace/repair any defective part/item free of cost during the guarantee period.

10.4) Performance Acceptance Criteria:

The retrofitted machine shall be considered successfully commissioned only after achieving all the following acceptance criteria:

a) Positioning accuracy and repeatability of all axes shall meet the machine's original design requirements and shall be demonstrated during prove-out.

b) Pitch variation achieved on production jobs shall not exceed 0.05 mm or the value specified by BHEL quality requirements.

c) All existing machine functions, interlocks, safety features, operating sequences, and production capabilities shall be demonstrated and verified jointly by BHEL and the supplier.

d) The machine shall successfully complete continuous production operation for a minimum of 72 hours without any CNC, PLC, drive, motor, communication, or electrical system fault attributable to the retrofitted system.

e) Performance Acceptance Certificate (PAC) shall be issued only after successful completion of the above tests and job prove-out.



10.5) Defect Liability and Response Time

During the guarantee period of 18 months, the supplier shall:

- a) Acknowledge any breakdown complaint within 24 hours.
- b) Deploy service personnel at BHEL site within 72 hours of complaint registration.
- c) Restore machine operation within 7 days from reporting of the fault.
- d) In case rectification requires replacement of parts, the supplier shall arrange replacement at its own cost within 15 days.

10.6) Retention of Final Payment

In addition to Performance Bank Guarantee, the final 10% payment shall be released only after:

- **Successful operation of the machine for three continuous months.**
- **Closure of all punch-list items.**
- **Submission of all approved drawings, software backups, source codes, licenses, manuals, and training completion certificates.**

10.7) Software and Source Code Submission

The supplier shall provide complete editable source files, PLC programs, HMI projects, CNC screens, drive parameters, engineering software backups, and passwords required for maintenance.

No software lock, password protection, or licensing restriction shall prevent BHEL from modifying, backing up, or restoring the supplied system.

10.8) Spare Parts Availability

The supplier shall ensure availability and service of supplied CNC, PLC, drives, motors, and associated spare parts for a minimum period of 10 years from the date of commissioning.

10.9) Extended Liquidated Damages for Non-Performance

If the machine fails to achieve the agreed performance parameters during acceptance trials, BHEL reserves the right to withhold payments and recover all associated costs incurred due to production loss, rework, and repeated commissioning activities attributable to supplier deficiencies.

10.10) Right of Rejection

BHEL reserves the right to reject the retrofitting work and terminate the contract if the supplier fails to achieve the specified machine performance, functionality, accuracy, repeatability, or reliability requirements within 60 days from the scheduled commissioning date.

11.0) Liquidated Damages (LD):

If the vendor fails to deliver any or all of the Services within the original/re-fixed delivery period(s) specified in the contract, the BHEL will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% of the Total contract value per week or part of the week of delayed period, until actual delivery or performance, as pre-estimated damages not exceeding 10% of the total contract value without any controversy/dispute of any sort whatsoever.

12.0) Tender evaluation process:

Evaluation of offers shall be on the basis of overall cost (**material & E&C cost**)

13.0) Payment Terms:

Ninety percent (90%) of the total Contract Value shall be released after successful completion of the **Retrofitting/Upgradation of MULLER WEINGARTEN SEGMENTAL NOTCHING Machine (Model: NNS 3-32)**, followed by successful commissioning and satisfactory trial run of **two (02) weeks** at BHEL, FSIP, Jagdishpur,



Amethi, Uttar Pradesh. Payment shall be released in accordance with the BHEL Standard Payment Policy (refer GCC Para 2.6 C).

The remaining Ten percent (10%) of the total Contract value shall be released after post Retrofitting/Upgradation successful working of machine for three months at BHEL FSIP. It shall be released after submission of performance bank guarantee of 10% of total work order value as per para 10 above. Balanced 10% payment will be released as per BHEL standard payment policy (refer GCC Para 2.6 C).

14.0) DURATION OF CONTRACT:

The period of contract will be for 6 months only from date of PO.

15.0) Price variation clause – The final rate of the Work order shall be fixed throughout the contract period.

16.0) Validity of offer – Rate offered by vendor in tender enquiry shall be valid for 120 days.

17.0) Price Schedule cum BoQ

Sl. No.	Item Description	Unit	Qty	Total amount in Rs. (With GST)
1.0	Retrofitting/Upgradation of MULLER WEINGARTEN SEGMENTAL NOTCHING (NNS 3-32) Machine as per scope of work given in STC and including supply of all BOM items	SET	1	To be quoted through GeM

- Bidder should not offer Total Price in Blank Price Bid Format. In case bidder submit Total Price in Blank Price bid the bid will be rejected out rightly.
- The bidder should not quote Total Price as zero or negative and if found, is liable for rejection out rightly without furnishing any reason.
- The above figures are/may be rounded off.
- Total price quoted shall remain firm during the execution of the contract and no extra payment will be reimbursed to the contractor by BHEL.
- Supply includes both material and commissioning (labour) charges.
- The L1 vendor will be determined based on the total lumpsum cost (Material + Commissioning).

Annexure -A

Segmental Notching Machine Data and Description

1. Machine Overview

The Segmental and Circular Lamination Notching Machine is a high-precision PLC-controlled production system designed for manufacturing segmental laminations, complete circular laminations, pole plates, and linear laminations used in electric motors, generators, alternators, traction motors, and other rotating electrical machines.

The machine is capable of producing stator segments, rotor segments, complete circular laminations, pole plate laminations (parallel and radial), and linear laminations with high dimensional accuracy and repeatability. The system incorporates servo-controlled positioning, automatic indexing, programmable production parameters, and comprehensive production monitoring functions.

2. Machine Capabilities

The machine shall be capable of performing the following operations:

- * Segmental lamination notching
- * Complete circular stator lamination notching
- * Complete circular rotor lamination notching
- * Internal profile notching
- * External profile notching
- * Slotting operations
- * Servo-controlled indexing operations
- * Pole plate parallel lamination manufacturing
- * Pole plate radial lamination manufacturing
- * Symmetric and asymmetric segment production
- * Skew notching
- * Wider and extra-wide notching using the same tooling
- * Multi-position ram operation
- * Tool offset compensation for RNM tooling migration
- * Automatic production counting and monitoring

3. Technical Specifications

Sl. No.	Parameter	Specification
1	Machine Type	PLC Controlled Notching Machine
2	Application	Segmental & Circular Lamination Manufacturing

3	Material Type	CRNGO / CRNO Electrical Steel
4	Material Thickness Range	0.5 mm – 2.50 mm
5	Maximum Circular OD	Up to 1300 mm
6	Maximum Circular ID	As per Tooling Design
7	Press Capacity	32 Ton
8	Maximum outside Diameter of Segments	20000 mm
9	Stroke Rate	Up to 250 SPM
10	Positioning System	Servo Controlled
11	Indexing Drive	Worm Wheel & Pinion
12	Positioning Accuracy	± 0.02 mm
13	Repeatability	± 0.05 mm
14	Control System	PLC
15	Operator Interface	Industrial HMI / Display System
16	Safety System	E-Stop, Light Curtain Protection

4. Job Programming Types:

4.1 For Segmental Jobs:

- Segment OD and ID
- Segment angle
- Number of segments
- Slot/notch dimensions
- Feed pitch
- Material thickness

4.2 For Circular Jobs:

- Outer Diameter (OD)
- Inner Diameter (ID)
- Number of slots/notches
- Slot pitch angle
- Slot width and depth
- Indexing angle
- Lamination thickness

5. Common Job Features:

The following functions shall be available for all job types:

- * Symmetric Notching
- * Asymmetric Notching
- * Skew Notching
- * Wider Notching
- * Extra Wide Notching using same tool

-
- * Skip Notching
 - * Intermittent Notching
 - * Tangential Offset
 - * Overlapping Control
 - * Stroke Rate Adaptation
 - * Terminal Sheet Function
 - * Production Counter Management
 - * Stack Height Monitoring

6. Job Programming Parameters

6.1 Symmetric Segment

- * Real Zero
- * Calculating Radius
- * Slots / 360°
- * Slots / Segment
- * Segments / 360°
- * Offset Notches Start
- * Offset Notches End
- * Segment Type
- * Stroke Rate

6.2 Asymmetric Segment

- * Real Zero
- * Calculating Radius
- * Slots / 360°
- * Segment Angle
- * Starting Angle
- * Punch Width
- * Offset Notches Start
- * Offset Notches End
- * Segment Type

-
- * Stroke Rate

6.3 Circular Job

- * Pitch Circle Diameter
- * Slots / 360°
- * Die Offset Y
- * Starting Angle
- * Stroke Rate
- * Working Direction

6.4 Linear Lamination

- * Real Zero
- * Number of Slots in X
- * Notch Pitch X
- * Stroke Rate

6.5 Pole Plate Radial

- * Real Zero
- * Calculating Radius
- * Slots / Segment
- * Pitch Angle
- * Segment Type
- * Stroke Rate

6.6 Pole Plate Parallel

- * Real Zero
- * Calculating Radius
- * Number of Slots in X
- * Notch Pitch X
- * Segment Type
- * Stroke Rate

7. Advanced Programming Functions

7.1 Tangential Offset

a) Basic Data

- * Thickness of lamination
- * Stack Height
- * Start to re-punch with Number
- * Start to re-punch with layer number
- * Start to re-punch with segment number
- * Total offset
- * Direction of skew (Clockwise/Anticlockwise)
- * Thickness of terminal sheet
- * Start with layer one in total stack

b) Part Programme

- * Current number of partial Stack
- * Terminal sheet at the begin
- * Height of partial stack
- * Repeat Counter
- * Terminal sheets at the end
- * Height of ventilation duct

7.2 Segment Overlapping

Supported overlap configurations:

- * 1/2 Overlap
- * 1/3 Overlap
- * User Defined Overlap

7.3 Additional Pitch Circle

Provides supplementary pitch circle generation for circular laminations.

7.4 Thickness Compensation

Automatic compensation based on sheet thickness variation.

7.5 Multiple Ram Position

Allows flexible ram positioning according to tooling requirements.

7.6 Tool Offset Function

Enables use of Radial Notching Machine (RNM) tooling on Segmental Notching Machine (SNM) through:

- * X-axis offset adjustment
- * Universal Plate adapter

8. Axis Configuration:

8.1: X-Axis

Function: Linear Feed Movement

Applications:

- * Skip Feed
- * Notch Pitch Control
- * Linear Positioning

8.2 : Y-Axis

Function: Tool-to-Die Position Adjustment

Applications:

- * Width Correction
- * Die Alignment
- * Segment Dimension Control

8.3: Z-Axis

Function: Rotary Indexing

Applications:

- * Circular Laminations
- * Segment Laminations
- * Angular Positioning
- * Skip Notching

9. Compensation Functions

9.1 : X-Axis Compensation

Purpose: Correction of turnover and back-to-back positioning errors.

9.2 : Y-Axis Compensation

Purpose: Simultaneous increase or decrease of segment dimensions at both ends.

9.2 : Z-Axis Compensation

Purpose: Correction of angular position and end dimensions.

10. Data Storage & Program Management

The control system shall provide storage for 100 programmable data sets.

Main Menu Functions:

1. Edit Current Data Set
2. Edit Other Data Set
3. Copy Current Data to Other Data Set
4. Copy Other Data Set
5. Activate Data Set
6. Delete Current Data Set
7. Delete Other Data Set

11. Operating Modes

11.1 Automatic Mode- Automatic mode shall support:

- * Automatic Homing
- * Automatic Feeding
- * Automatic Indexing
- * Automatic Notching
- * Servo Synchronization
- * Automatic Counting
- * Automatic Lubrication
- * Forward lamination to next variant without cutting previous variant.
- * Light Curtain Alarm Monitoring by generating fault indication.

11.2 Manual Mode-Manual mode shall support:

- * Individual Axis Positioning
- * First Notch Position Setup
- * Single Stroke Inching
- * Single Sheet Operation
- * S-Step Stamping
- * Break Open & Clutch ON

* Stop Point Verification

* Alarm Reset

12. Production Monitoring & Reporting System

The machine shall continuously acquire and display production information.

12.1 Production Data Acquisition

- * Layer Count
- * Lamination Count
- * Current Stack Height
- * Shift Counter
- * Order Counter

12.2 Real-Time Monitoring

Sl. No.	Parameter	Unit
1	Current Job	Text
2	Order Counter	Nos.
3	Actual Production	Nos.
4	Current Production	Nos.
5	Machine Status	Running / Idle / Alarm
6	Current Stroke Rate	SPM
7	Operating Mode	Auto / Manual

13. Auxiliary Functions

- * Maximum Speed Self Adaptation
- * Pneumatic Lubrication Air Flow Control
- * Changeover Notch / Tooth Selection
- * Trim Forward / Punch Backward
- * Regular Sheet Production
- * Terminal Sheet Production
- * Stroke Rate Adaptation
- * Stack Height Monitoring
- * Counter Management

14. Quality Requirements

Sl. No.	Parameter	Requirement
1	Notching Accuracy	± 0.02 mm

2	Slot Pitch Accuracy	± 0.03 mm
3	Burr Height	≤ 0.03 mm
4	Repeatability	± 0.05 mm
5	Concentricity	Maintained
6	Deformation	Not Acceptable
7	Distortion	Not Acceptable

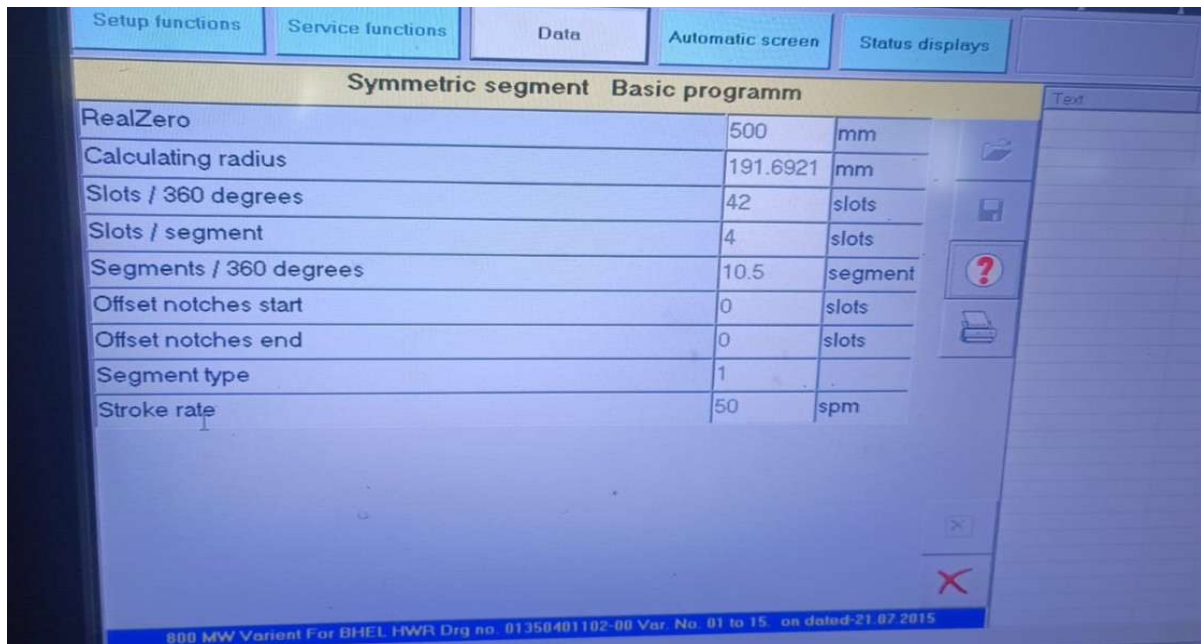
15. Acceptance Criteria

The machine shall be accepted upon successful completion of the following:

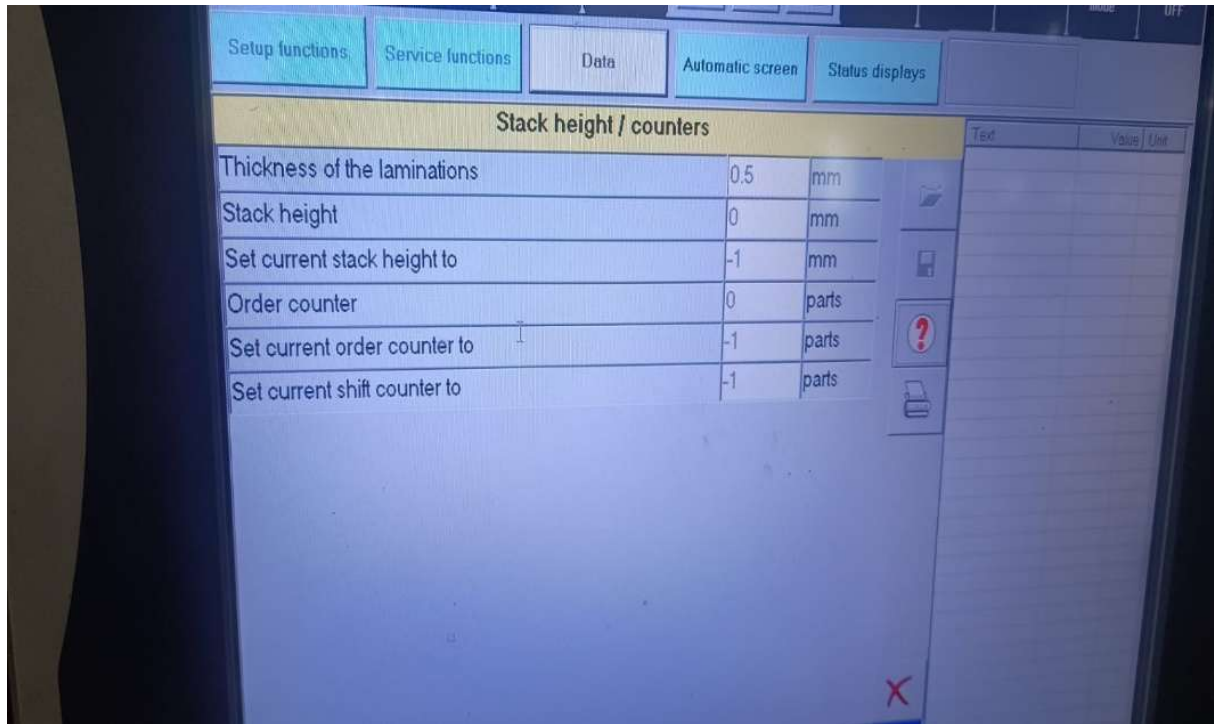
- * Successful trial of segmental laminations
- * Successful trial of circular laminations
- * Verification of dimensional accuracy
- * Verification of slot positioning accuracy
- * Verification of concentricity
- * Continuous production operation without abnormal vibration
- * Continuous production operation without unscheduled downtime
- * Verification of safety interlocks and protective systems
- * Compliance with applicable industrial safety standards

16. User Interface of Different operation:

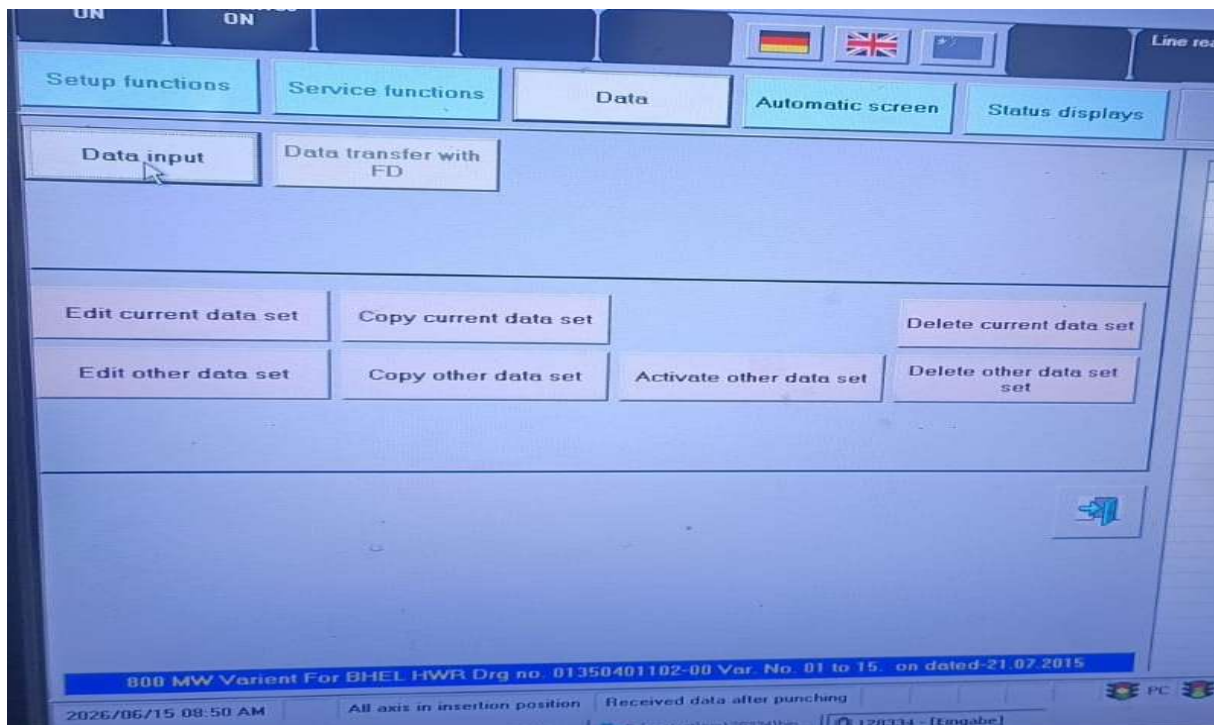
16.1 Basic Programme-



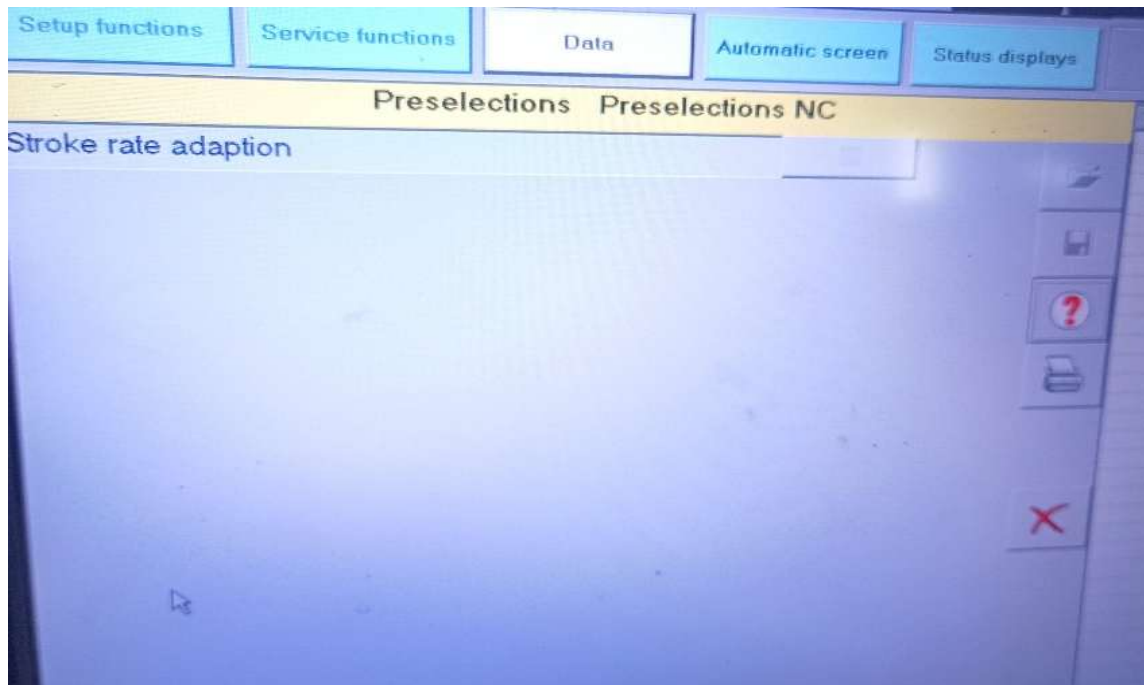
16.2 Stack height and counters-



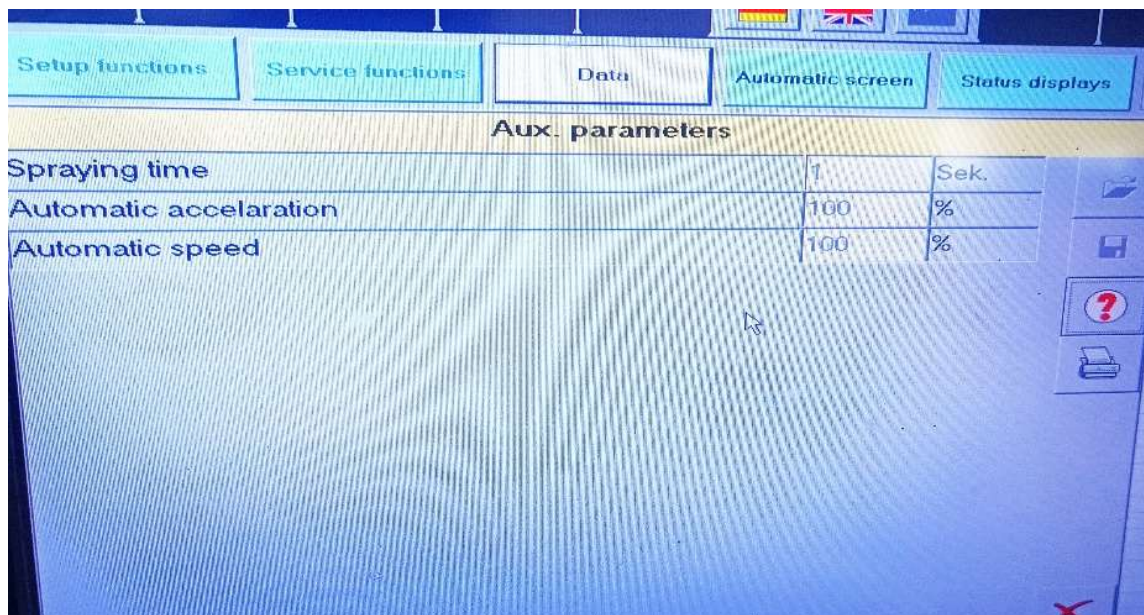
16.3 Data menu-



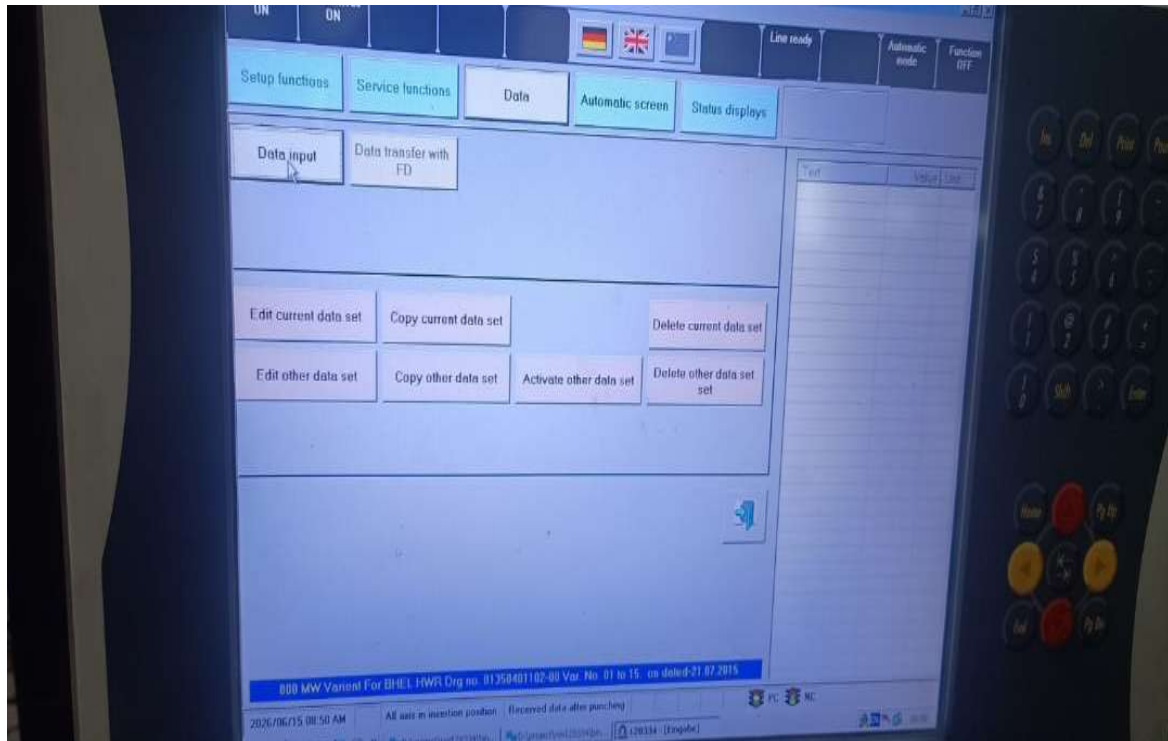
16.4 Preselection for stroke Rate adaption



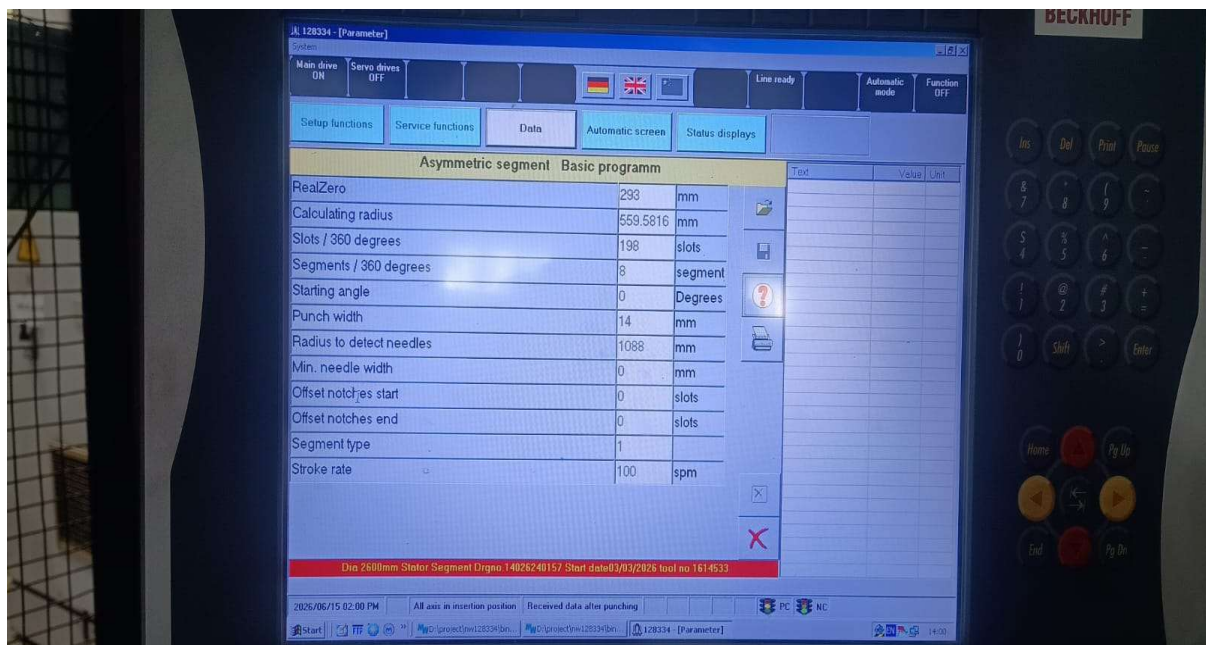
16.5 AUX Parameter



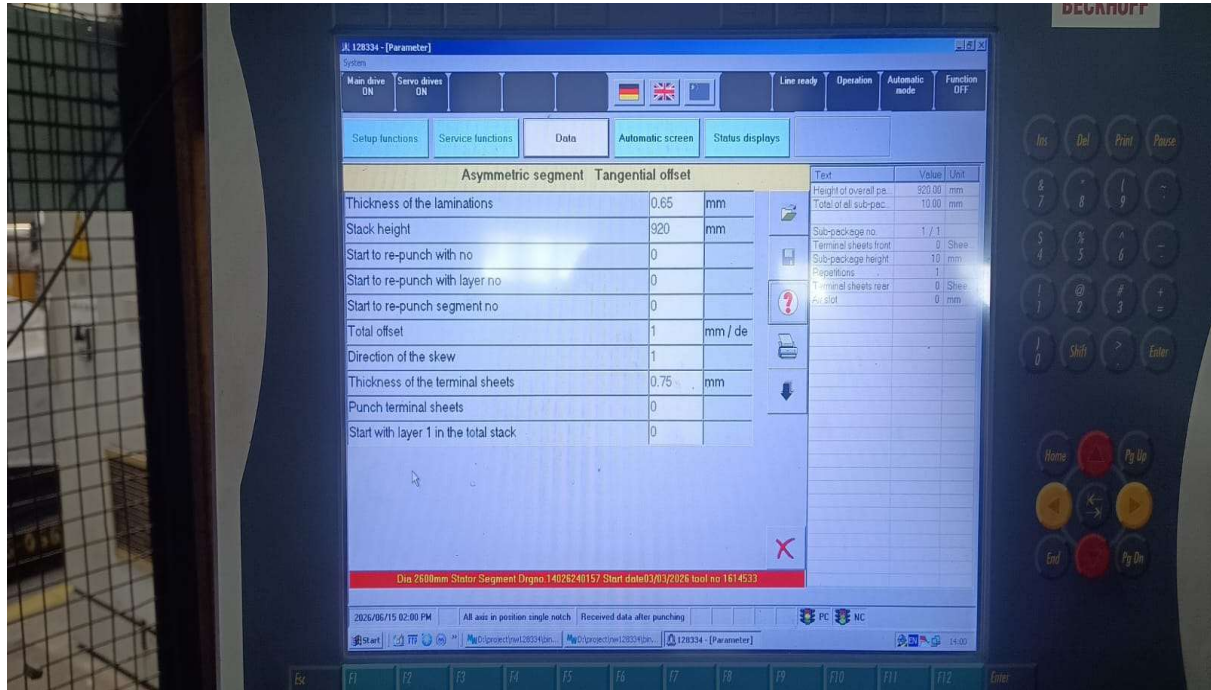
16.6 Function Interface



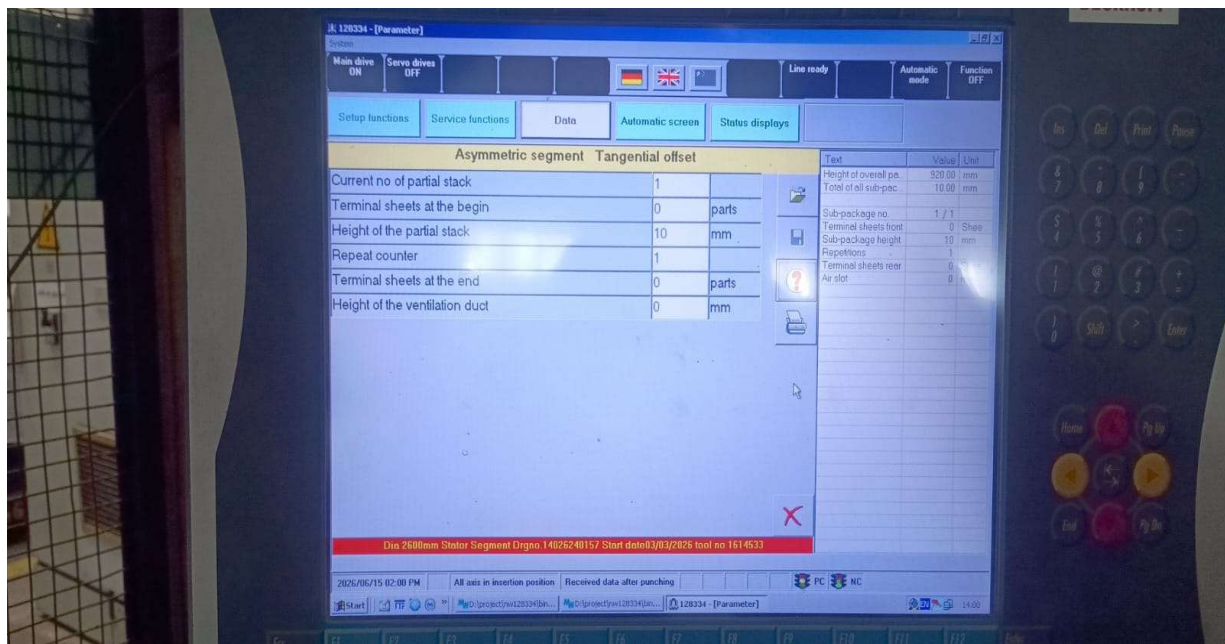
16.7 Basic Program for Asymmetric Segment



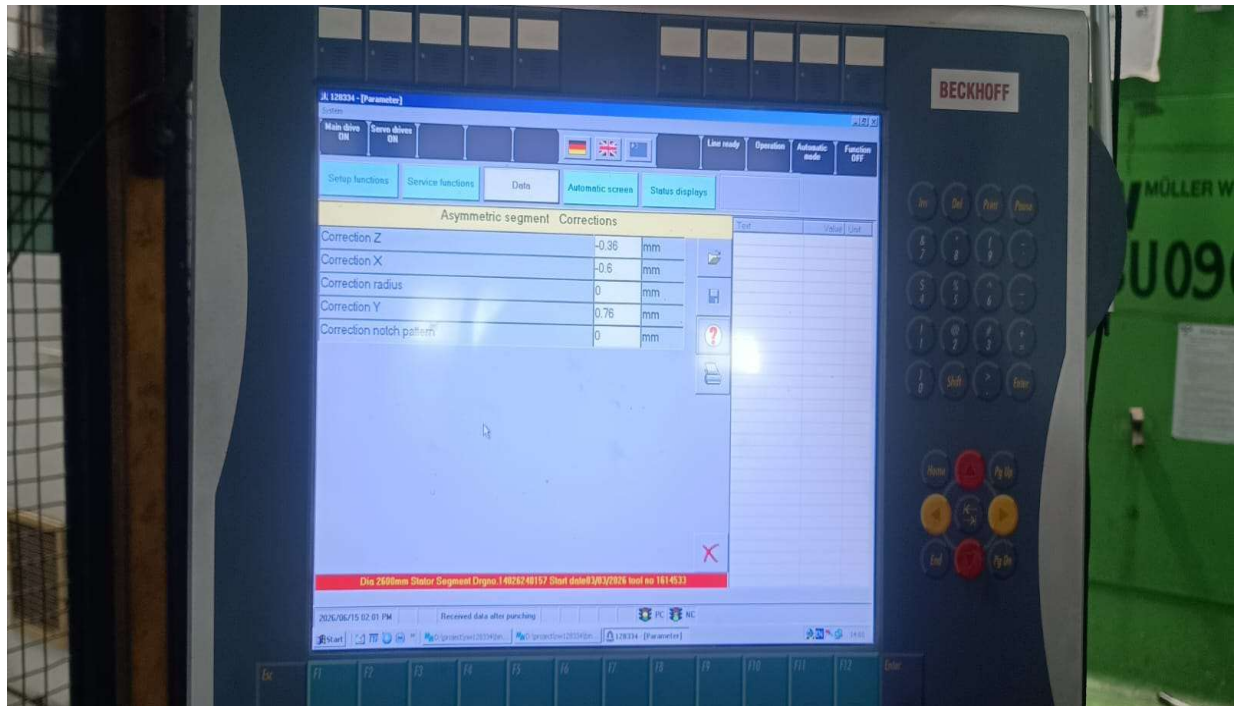
16.8 Tangential Offset for Asymmetric Segment



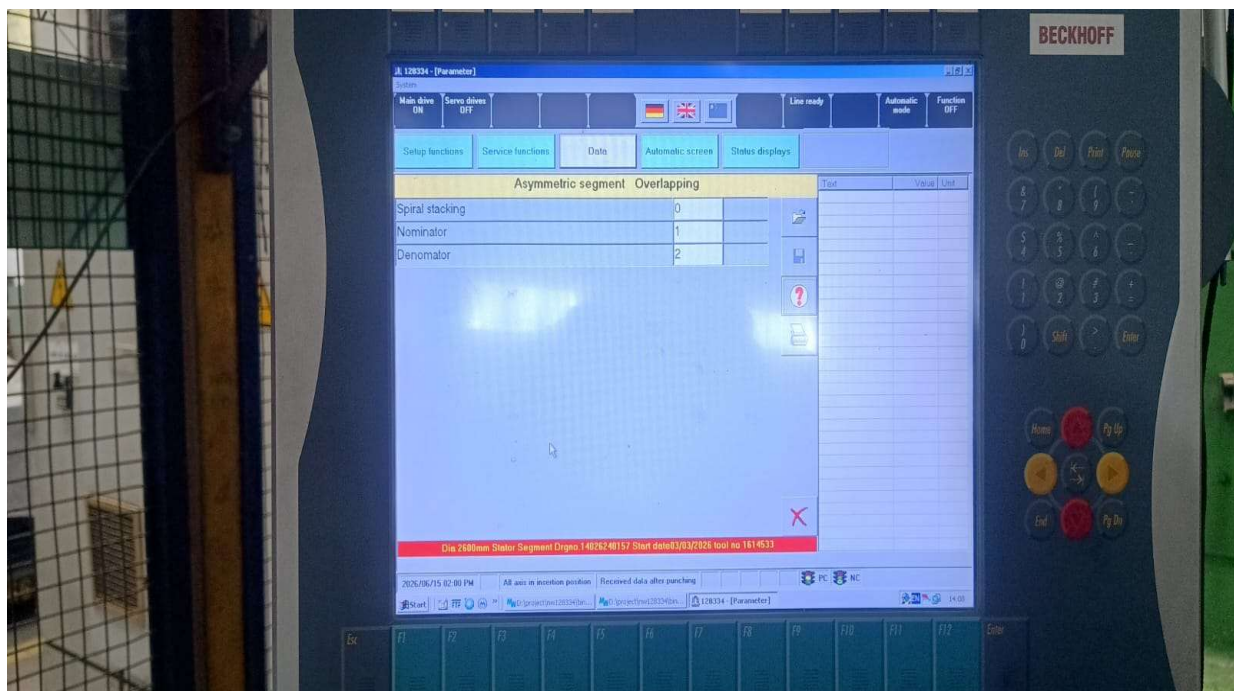
16.9 Tangential offset part Program for Asymmetric Program



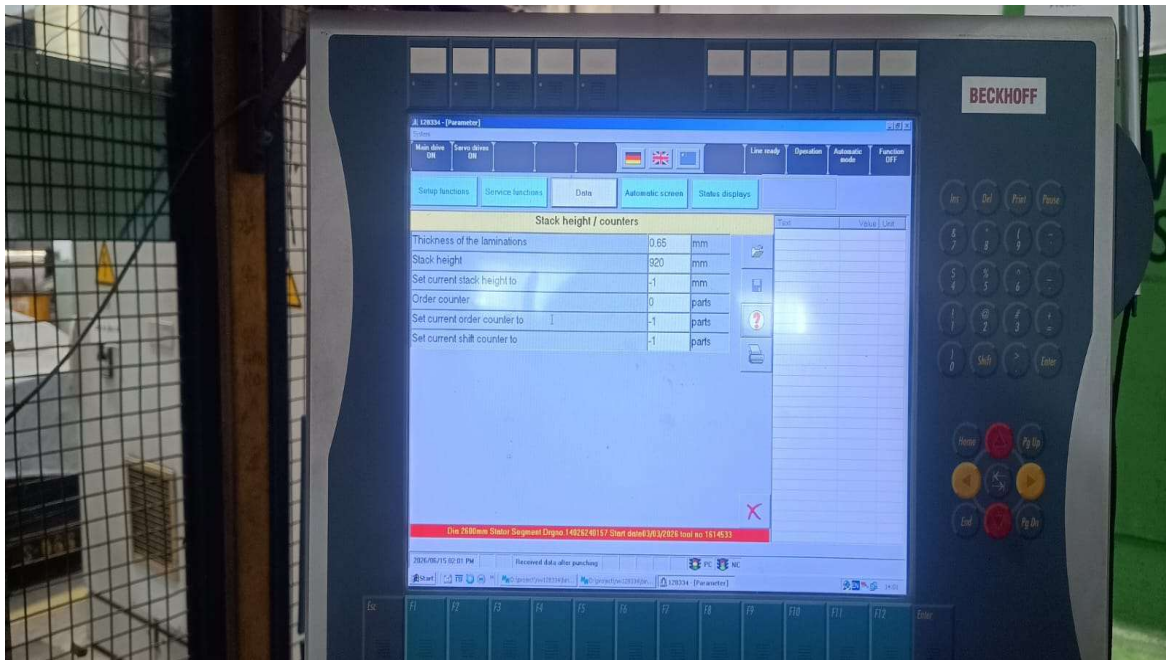
16.10 Asymmetric segment Correction



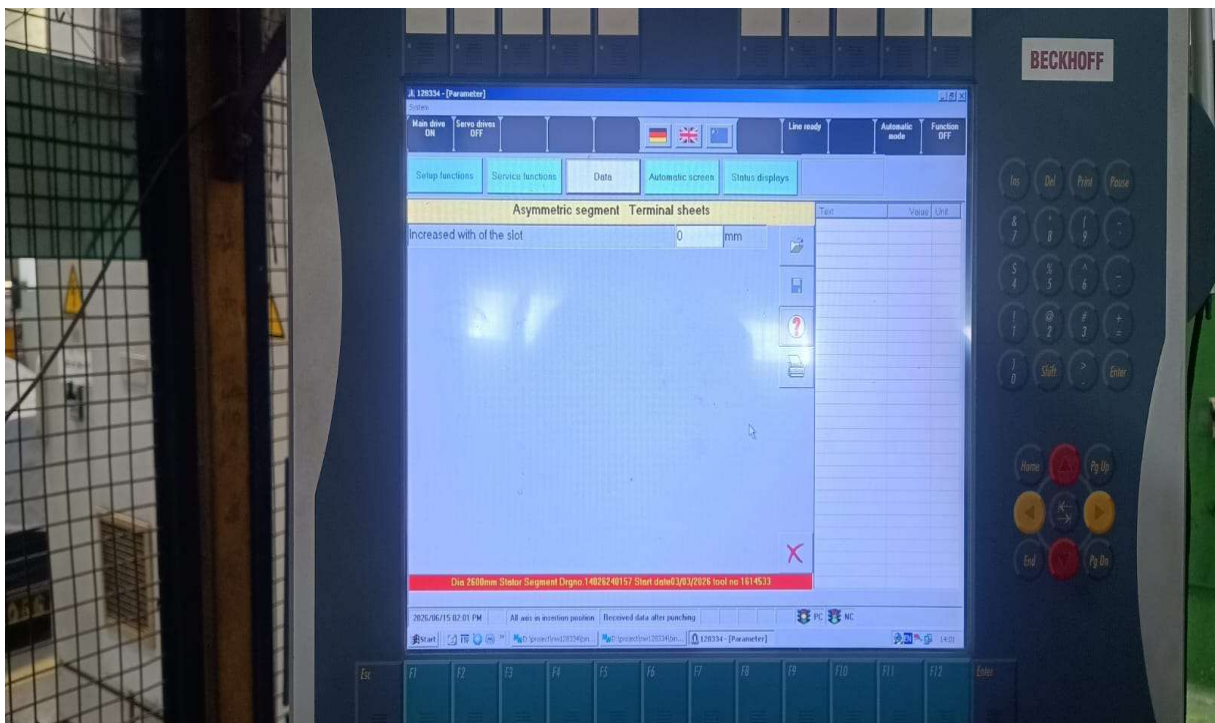
16.11 Asymmetric segment Overlapping



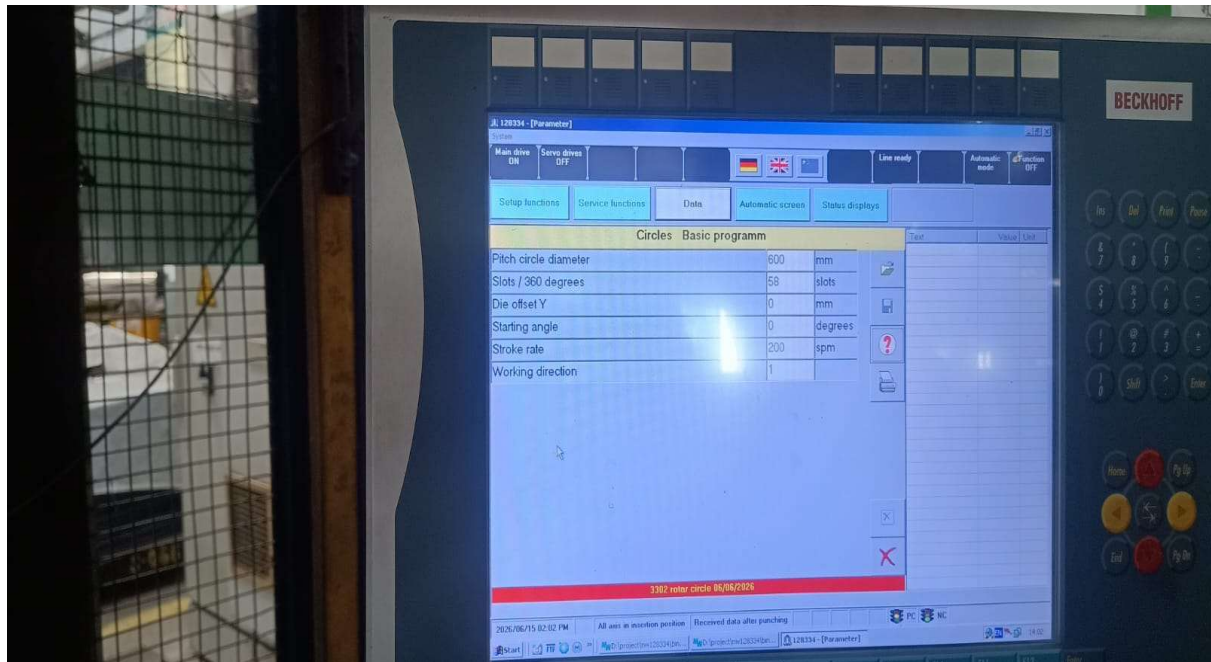
16.12 Asymmetric Program Stack Height and Counters



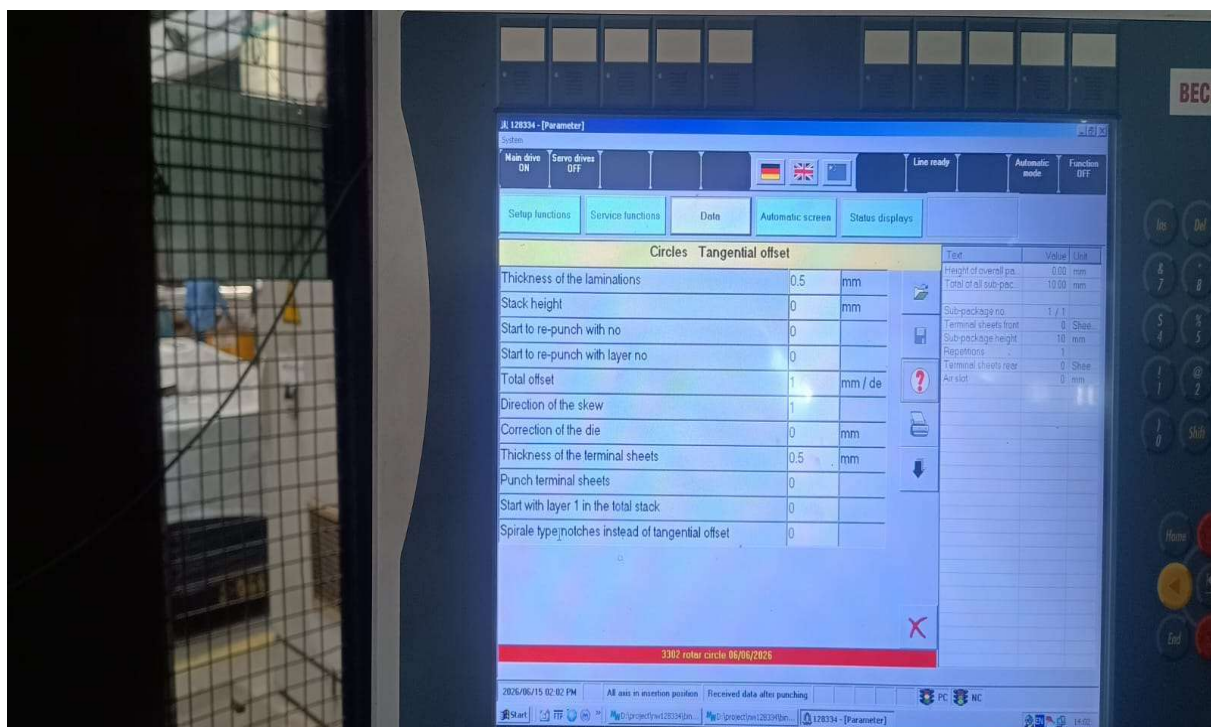
16.13 Asymmetric Segment Terminal sheet



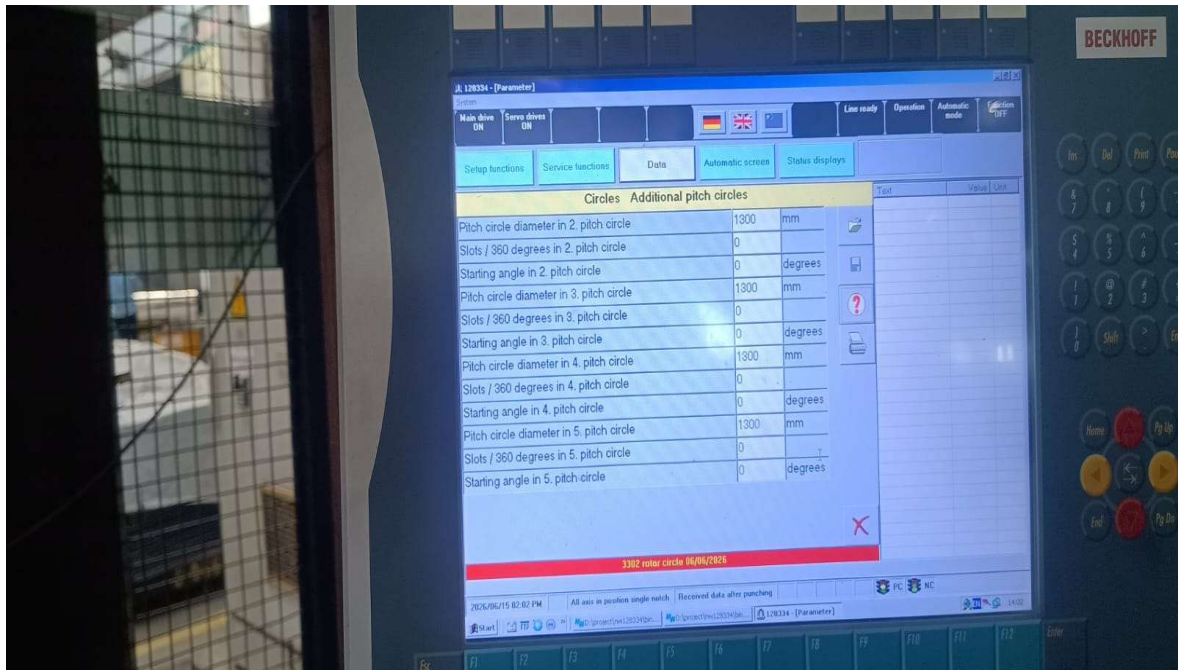
16.14 Circle Job basic Program



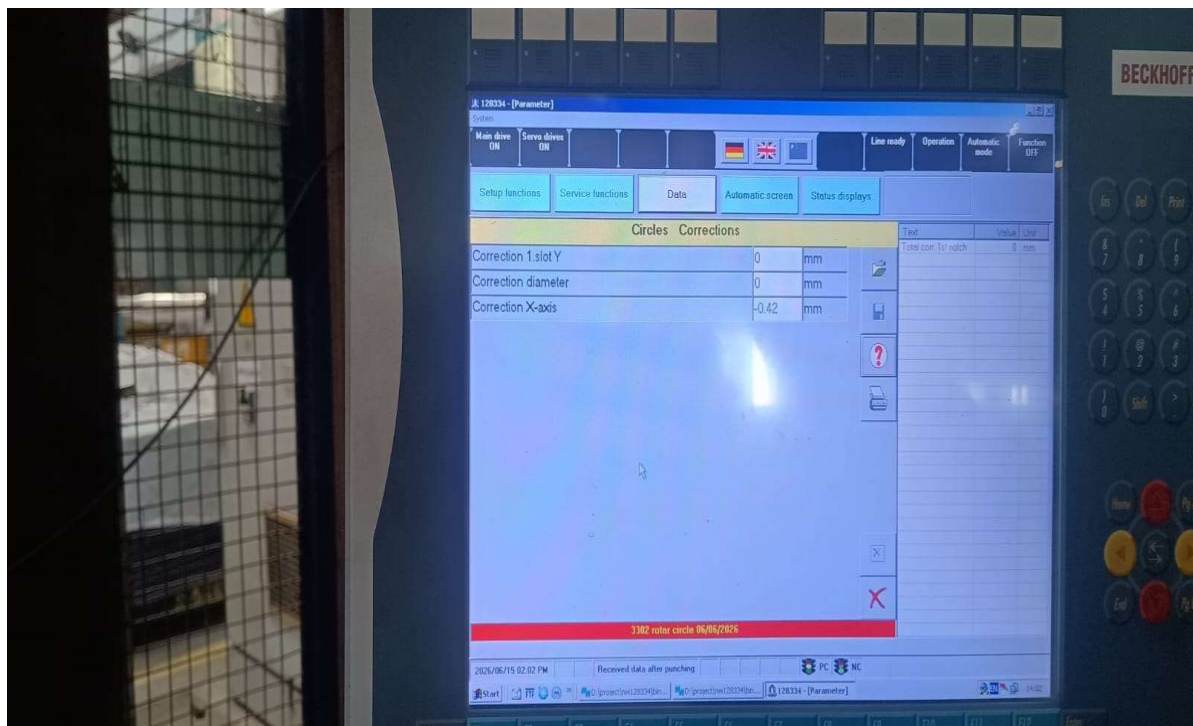
16.15 Circle Job Tangential Offset



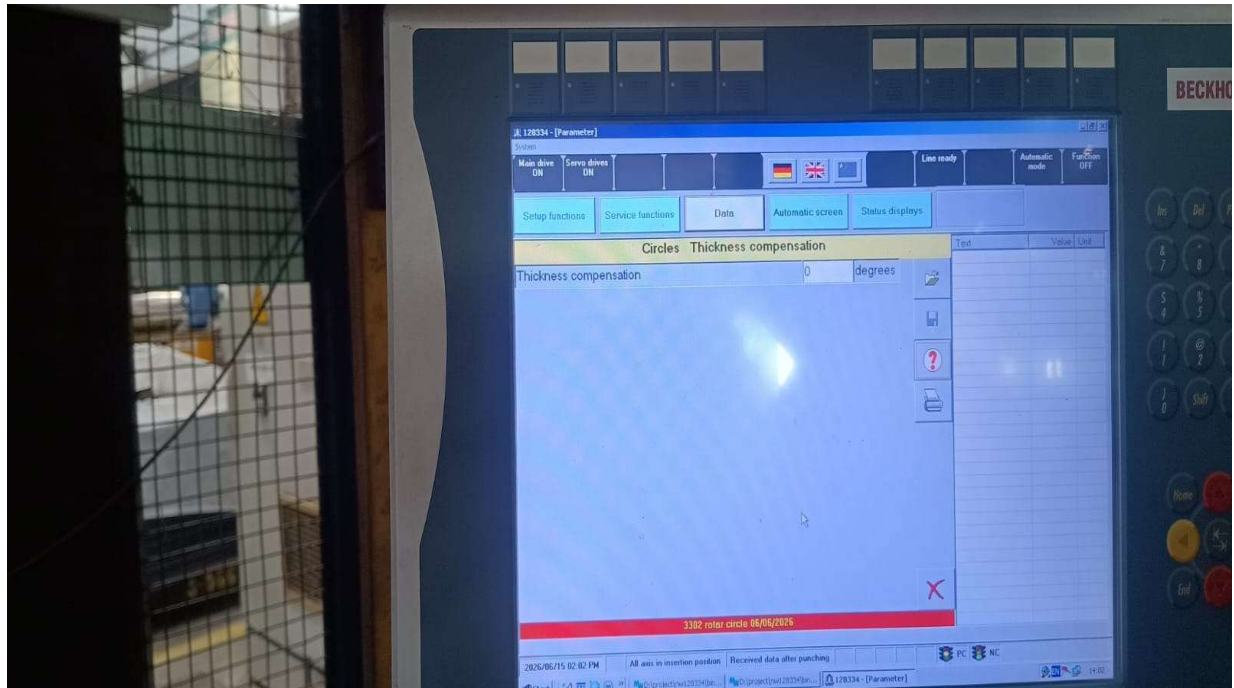
16.16 Circle Job Additional Pitch circle



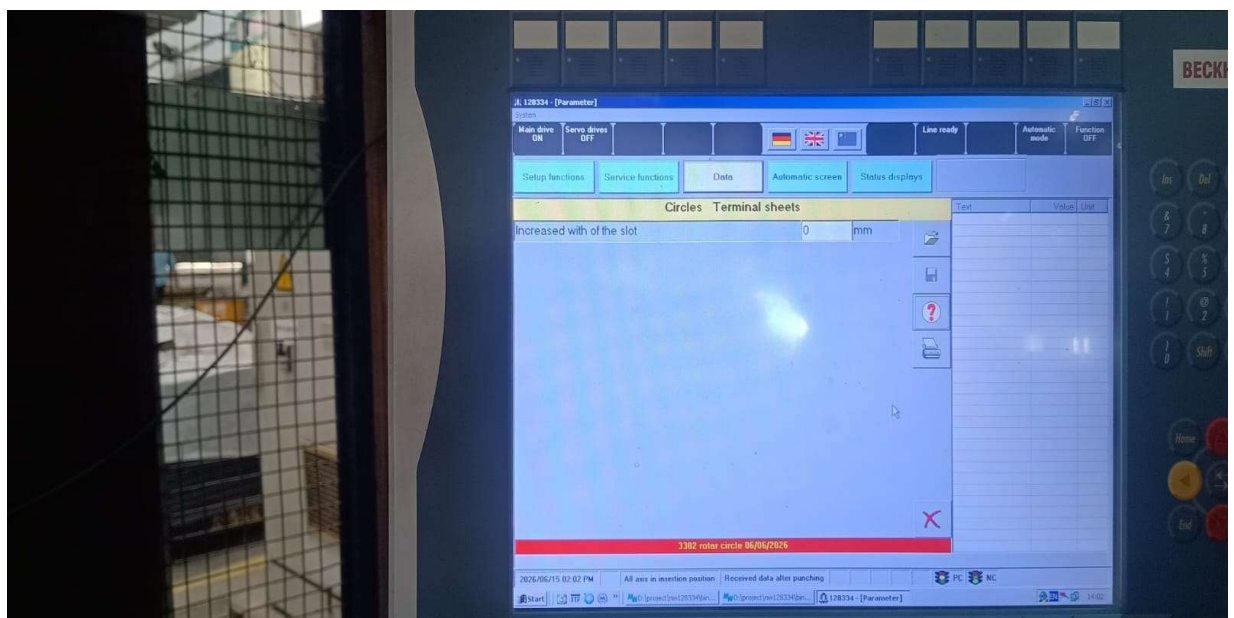
16.17 Circle job Correction



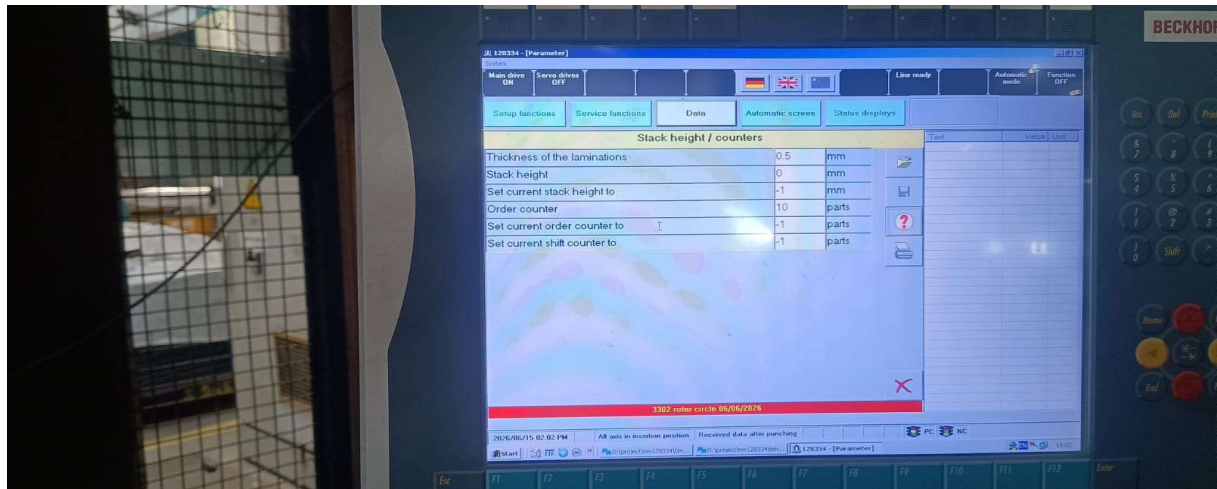
16.18 Circle Job Thickness compensation



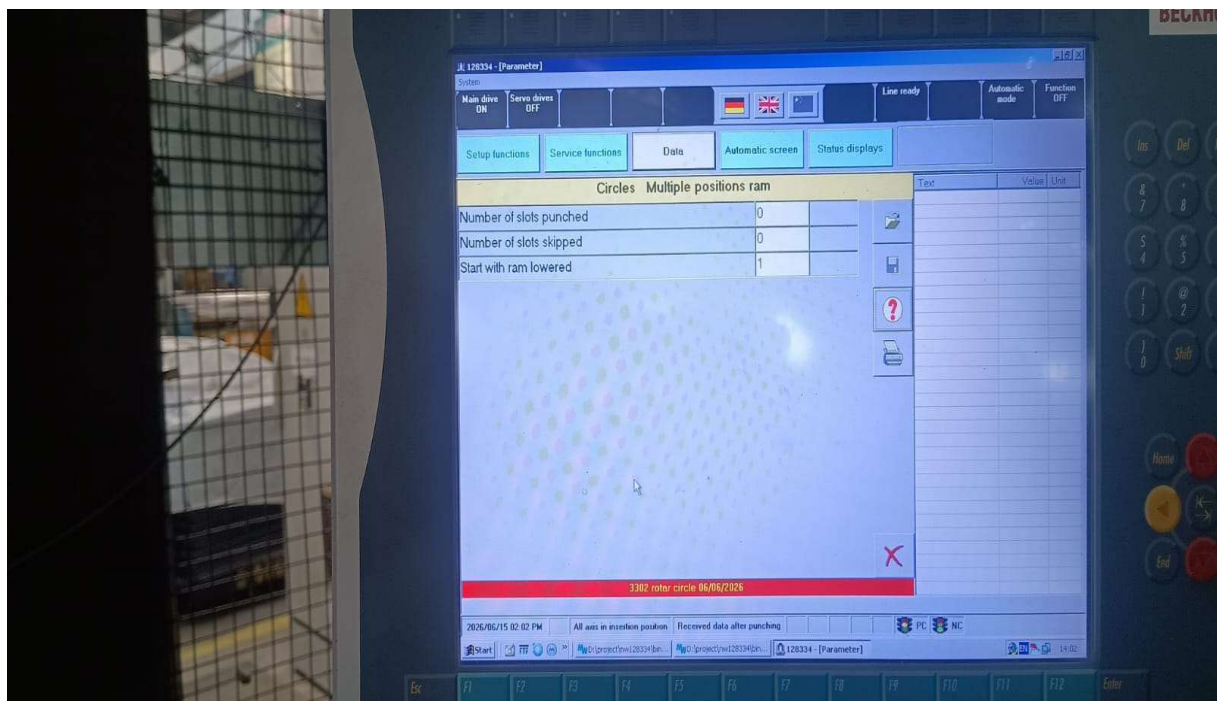
16.19 Circle Job Terminal Sheet



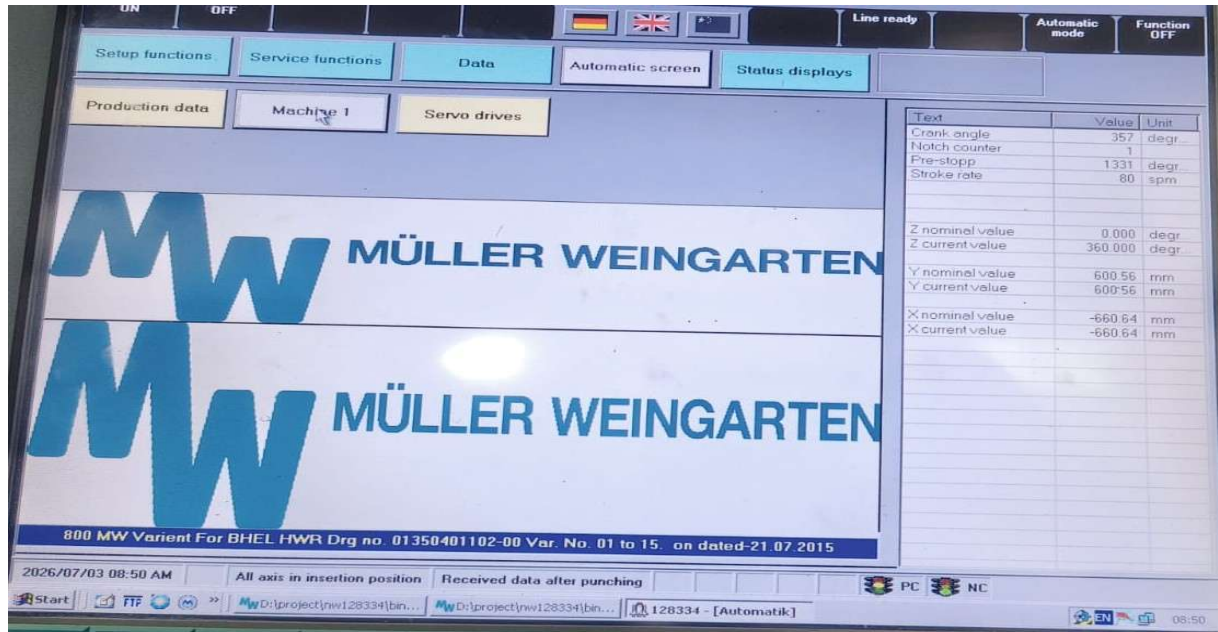
16.20 Circle Job Stack Height and counters



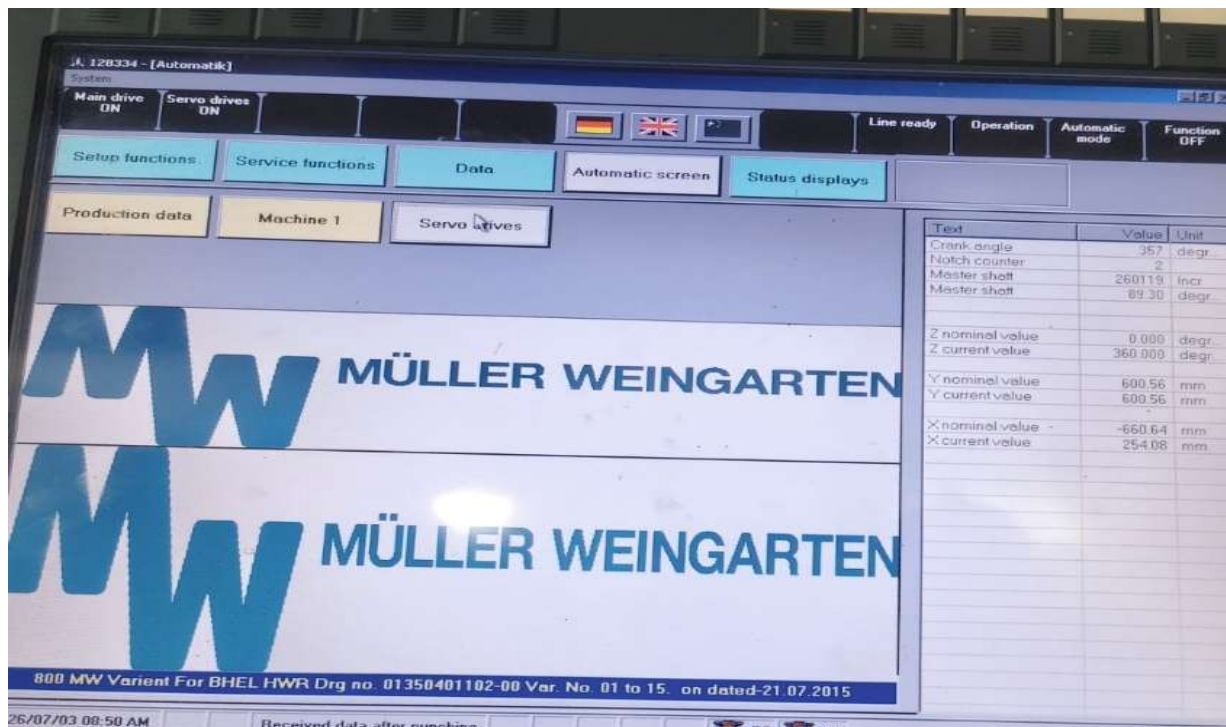
16.21 Circle Job Multiple Ram Position



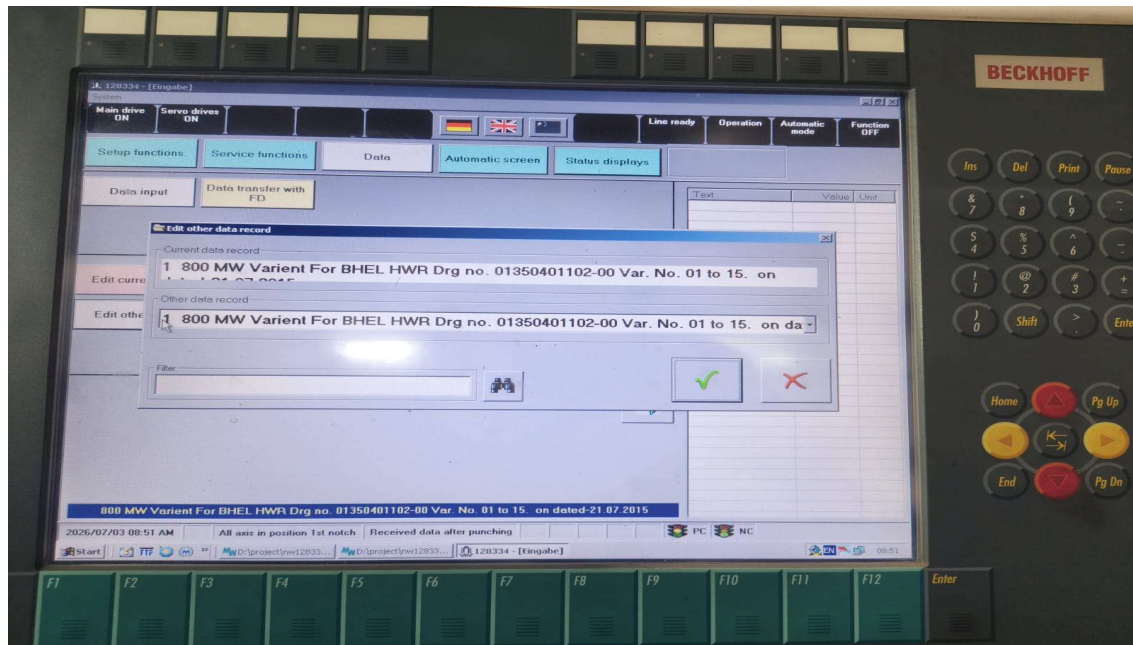
16.22 Machine Data During Automatic Mode



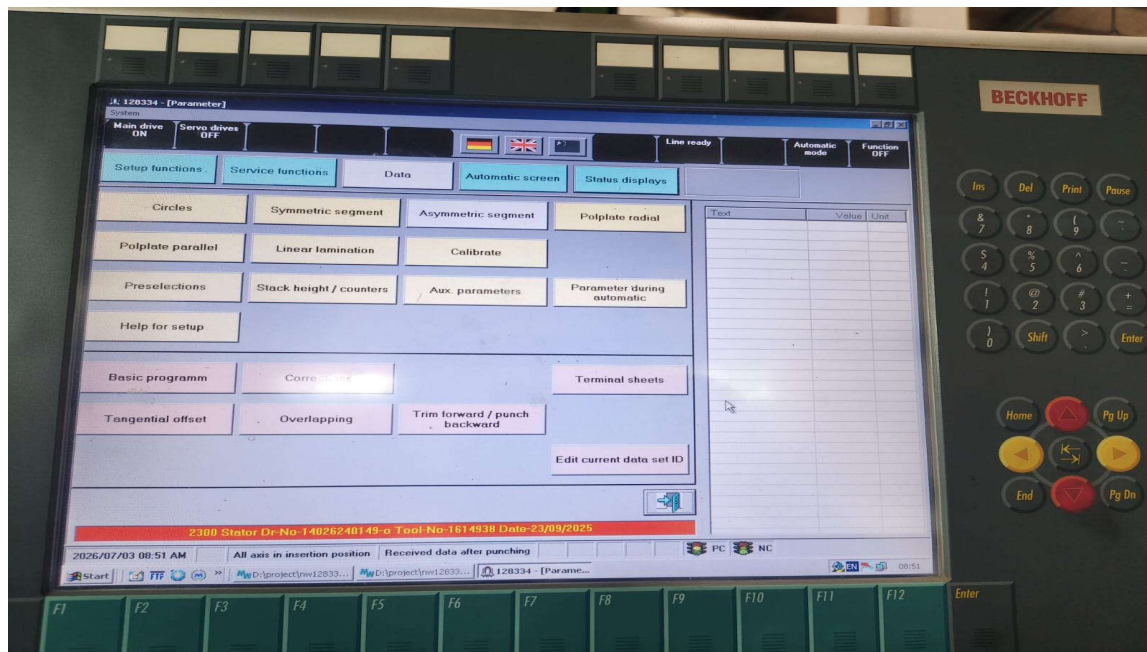
16.23 Servo drive Information During automatic mode



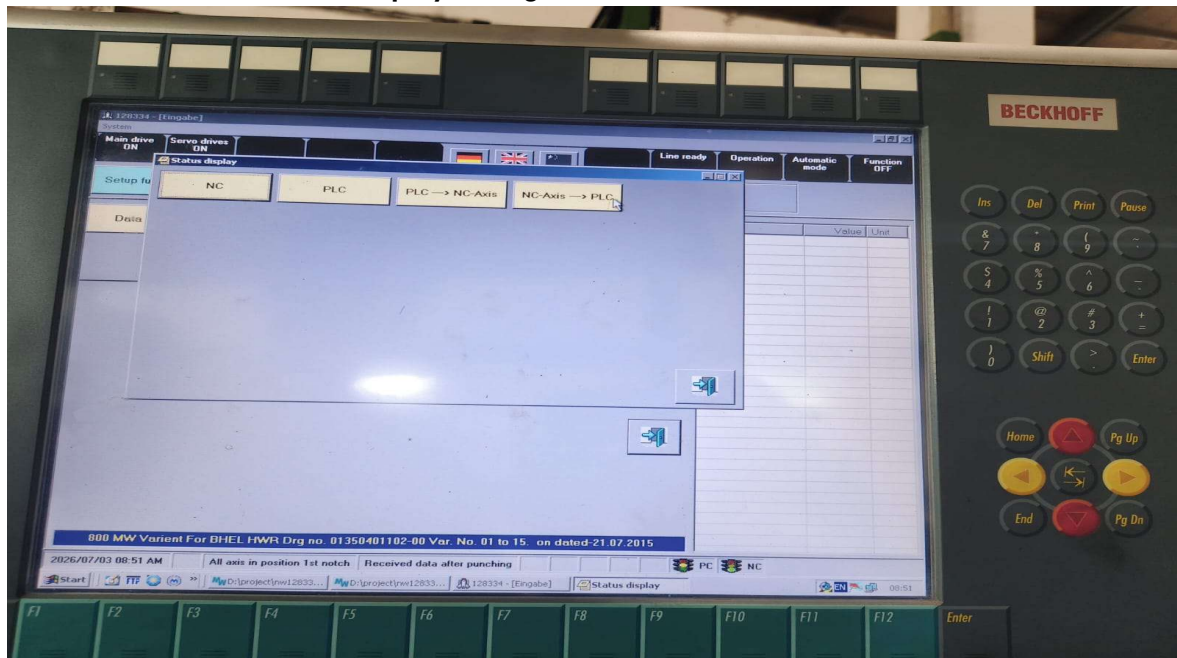
16.24 Edit Other Data Set During Automatic mode



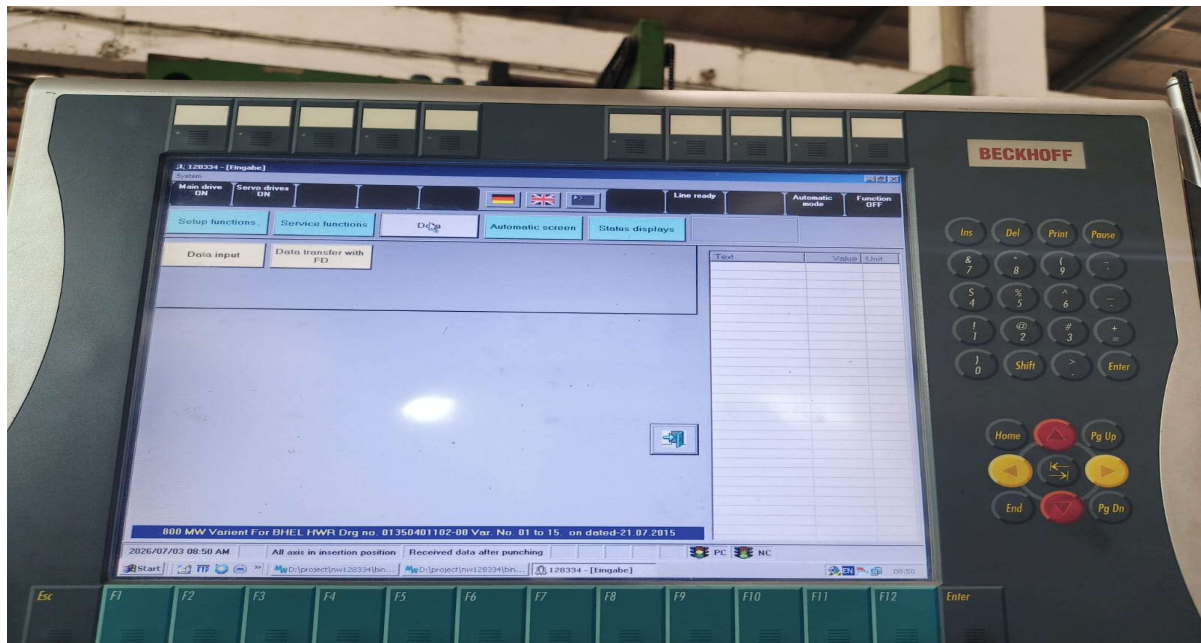
16.25 Cumulative Function and data Summary



16.26 Status Display During automatic Mode



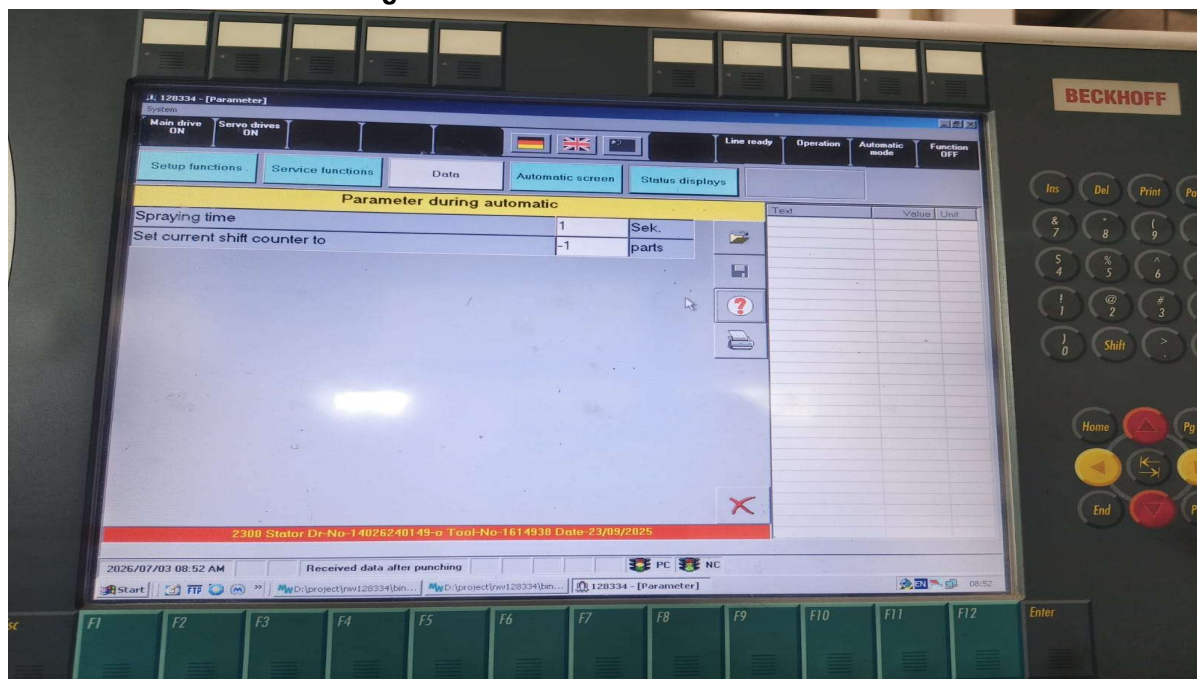
16.27 Data and Function Input Menu



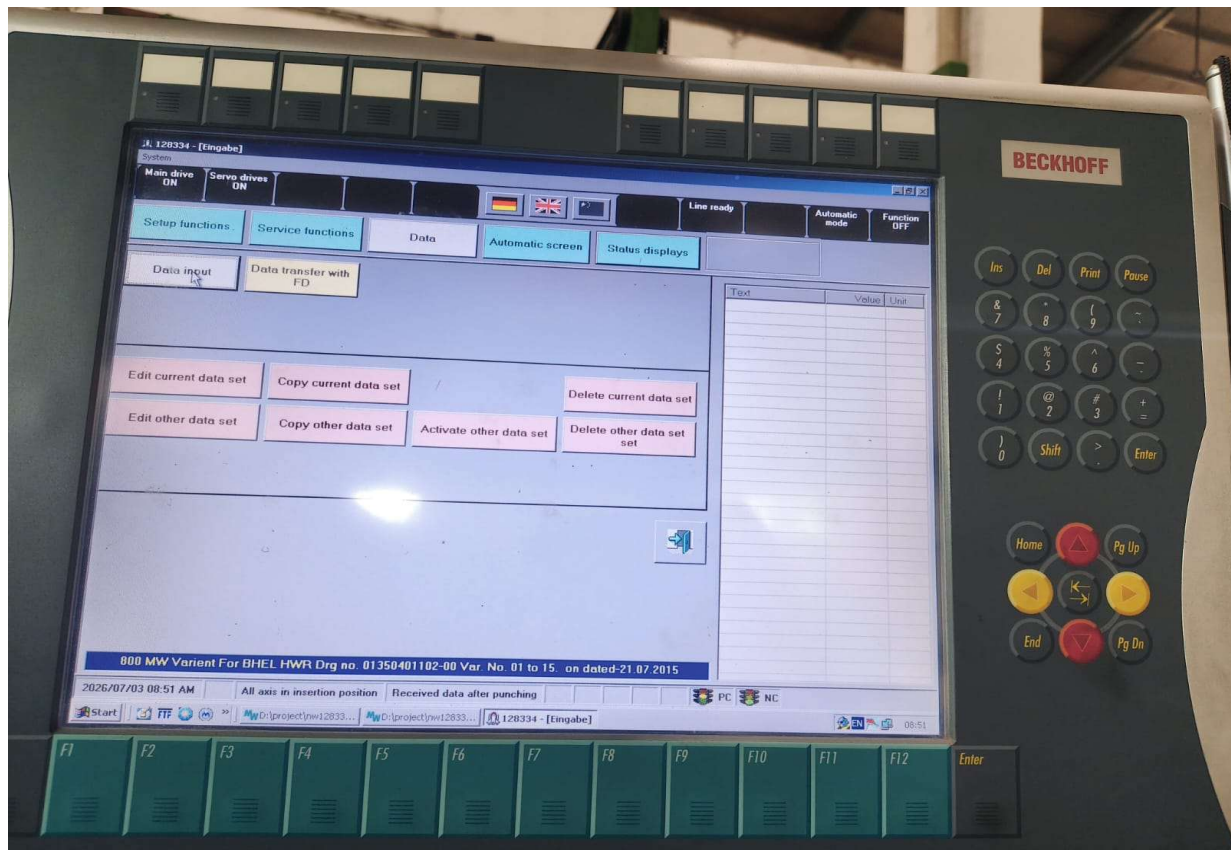
16.28 Production Data Interface During Automatic Mode



16.29 Parameter During Automatic



16.30 Data Input Menu Interface



Additional required features- The existing machine frame does not support cutting of individual laminations based on chord length data. Hence, a new functionality is required to enable single lamination cutting using the chord length data of the lamination.