



BHARAT HEAVY ELECTRICALS LIMITED
CORPORATE RESEARCH & DEVELOPMENT DIVISION
VIKASNAGAR, HYDERABAD - 500 093, INDIA

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ENQUIRY

Ref: 652401401

Date 19-02-2025

To
OFFICE COPY

Enquiry for **Supply of materials and preparation of track for solar panel cleaning robot**

Enquiry No:652401401 **Enquiry Date : 19-02-2025** **Due Date: 01-03-2025** **Indicative Delivery Date : 31-03-2025**

Sl.No	Item Description	Unit	Qty
1	Aluminum C channel(size 50*100*50 with 3mm thickness)	METRE	200
2	GI channel(size 41*75*41 with 5mm thickness)	METRE	70
3	Al Extrusion profile(size 40*90)	METRE	24
4	MS L Angle(size 40*40 with 5mm thickness)	METRE	125
5	SS M10 hexa bolts with nut and washer.	NO	250
6	SS M8 hexa bolts with nut and washer	NO	2000
7	Miscellaneous(cutting wheels, welding rods, rust remover etc.)	SET	1
8	Preparation of track along with the alignment of solar panels	SET	1

Please submit your offer before due date and time as indicated in tender.

Sl.No	Description	Document Ref.
01	Enquiry, PQC, General Terms & Conditions, Commercial Terms & Conditions etc.	Volume - 1
02	Technical specifications, Scope of Supply etc.	Volume - 2

Sl.No Vendor Name and code

1

Archana Lanjewar
Sr Manager
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PRE QUALIFYING CRITERIA(PQC)

Volume - 1
Enquiry No
652401401

Supply of materials and preparation of track for solar panel cleaning robot

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS REMARKS	ACCEPTANCE /
1	Experience	The bidder should furnish at least one Purchase Order/Work order copy for supply of channels or fabrication of structure or electrical connections. PO date should be within seven(7) yrs from the date of enquiry.		
2				
3				
4				
	Relaxation of Norms for Startups	The condition of Prior Turnover and prior experience is relaxed for all startups whether Micro & Small Enterprises(MSEs) or otherwise subject to meeting of quality and technical specifications in accordance with the relevant provision of GFR,2005 and other DOE-PPD notifications for relaxation norms for startups issued from time to time.		

Signature of the bidder with Seal & Date



GENERAL TERMS & CONDITIONS (GTC)

Volume - 1
Enquiry No
652401401

Supply of materials and preparation of track for solar panel cleaning robot

SL.No.	Clause	BHEL REQUIREMENT
1	Preferences to MSEs	<p>The bidder may also be a Micro and Small Enterprises (MSE) vendor registered as per MSE act. As per the public procurement policy notified by the Central government.</p> <p>25% of the tendered quantity is earmarked for MSE suppliers in this tender. Out of the 25% tendered quantity reserved for MSE suppliers, 6.25% shall be earmarked for procurement from MSE owned by SC / ST entrepreneurs. Also 3% shall be earmarked for procurement from MSE owned by women.</p> <p>The definition of MSEs owned by women Entrepreneurs is clarified as under:</p> <ul style="list-style-type: none">i. In case of proprietary MSE, Proprietor shall be womanii. In case of partnership MSE, the women partners shall be holding at least 51% share in the unit.iii. In case of private limited companies, at least 51% shall be held by Women Promoters. <p>(Such enterprise will have to submit relevant document for proof of women ownership during offer submission)</p> <p>In case MSE vendor participating in the tender quotes within the price band of L1 + 15%, they will be allowed to supply the portion of the requirement subject to acceptance of L1 price by MSE vendor. In case of more than one such MSE, the supply shall be shared proportionately.</p> <p>"MSE suppliers can avail the intended benefits only if they submit along with the offer, attested copies of either EM II certificate having deemed validity (five years from the date of issue of acknowledgement in EM, II) or valid NSIC certificate or EM II certificate with due validity or Udyog Aadhar Number along with attested copy of a CA certificate (where deemed validity of EM II certificate of five years has expired) applicable for the relevant financial year (latest audited). Date to be reckoned for determining the deemed validity will be the date of bid opening (Part 1 in case of two part bid).</p> <p>Non submission of such documents will lead to consideration of their bid at par with other bidders. In case any improper / lack of documents is there vendor on their own interest may submit all the relevant documents as stated above, before tender opening.</p> <p>No benefit shall be applicable for this enquiry if any deficiencies in the above required documents are not submitted before tender opening.</p> <p>Documents should be notarized or attested by a Gazetted officer for consideration of MSE certificate. "</p> <p>Such Micro/Small Enterprises registered vendors must state the sub-category to which they belong and submit documentary proof for the same.</p> <p>The sub-categories:</p> <ul style="list-style-type: none">(a) Enterprises owned by Scheduled Castes.(b) Enterprises owned by Scheduled Tribes.(c) Enterprises owned by other than above two categories <p>The enterprises under (a) & (b) means the proprietor in case of single</p>

		<p>owned firm and all partners in case of partnership firm and all directors in case of private/public limited must belong to SC/ST category (Such enterprise will have to submit relevant document for proof of SC/ST category during offer submission) (Note: vendor need to go through General note Of tender condition also for any special instruction & deviation from above.)</p> <p>If more than one valid MSE supplier stands with in rage of L1+15% range, 25% of quantity will be shared till quantity split is feasible & rest of 25% will be awarded to lowest quote of valid MSE supplier.</p>
2	Preference to Make in India	<p>For this procurement, the local content to categorize a supplier as a Class 1 Local supplier / Class II Local supplier/ Non-Local supplier and purchase preference to Class 1 Local supplier, is as defined in Public Procurement (preference to Make in India), Order 2017 dated 04.06.2020 issued by DPIIT.</p> <p>In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT</p>
3	Offer submission (E-procurement)	<p>a. This tender is hosted in E-procurement portal (EPS) and offer to be submitted through EPS portal only. Bidders are requested to submit 2 parts bid offer before due date & time of the enquiry through NIC (https://eprocurebhel.co.in) only.</p> <p>b. Sealed cover bids/E-mails/Fax/Manual offers will not be accepted.</p> <p>c. Offer is to be submitted in Two-part bids system (Technical bid + Price bid) in the e-procurement portal only.</p> <p>d. Scanned copy of the filled Annexures, Tender documents etc., shall be uploaded in the EPS portal.</p> <p>e. At its option, BHEL may consider extending the due date/s for the tender openings. Sufficient notice would be given by BHEL for such extensions and it will be published as corrigendum in following websites: https://eprocurebhel.co.in https://www.bhel.com/tender</p> <p>f. Authorization for participation in EPS portal through DSC: e-tender. participation requirements: vendor shall register their Digital signature certificate (DSC) (Class 3-SHA2-2048 BIT signing and encryption). Suppliers are advised to go through the FAQ available in the web portal. DSC shall be registered for the authorized person and all transaction done using that DSC against our tenders shall be taken as valid communication and shall be binding on vendor and is valid legally.</p>
4	Details required with offer	<p>Following documents to be submitted by Bidders along with offer:</p> <p>a. PAN Number</p> <p>b. GSTIN Registration Status</p> <p>c. Name of the Contact Person</p> <p>d. Contact Phone / Mobile</p> <p>e. Email id for correspondence</p> <p>f. Address with PIN code and State</p>
5	GST Clause	<p>1) Taxes and duties to be governed by GST acts. Strict adherence to new provisions by the vendors like timely submission of invoices, tax payment, filing of returns-GSTR-I etc. will form base of new regime for release of payment from BHEL. Hence, any financial loss occurred due to non-compliance of the GST provisions would be endured at defaulter's end.</p> <p>2) In case GST credit is delayed/ denied to BHEL due to non/delayed receipt of goods and/or tax invoice or expiry of time line prescribed in GST law for availing such ITC, or any other reasons not attributable to BHEL, GST amount shall be recoverable from vendor along with</p>

		<p>interest levied/leviable on BHEL.</p> <p>3) In case vendor delays declaring such invoice in his return and GST credit availed by BHEL is denied or reversed subsequently as per GST law, GST amount paid by BHEL towards such ITC reversal as per GST law shall be recoverable from vendor/contractor along with interest levied/leviable on BHEL.</p> <p>4) Vendor to ensure correct applicability of IGST/CGST/SGST/UTGST based on the Inter / Intra state movement Supply of goods and services or both. d) Taxes and duties prevalent on the contractual delivery date or the actual delivery date (in case of delay) whichever is lower shall be applicable paid. Composition Scheme to be addressed.</p> <p>5) Vendor shall note that the Invoice has to be raised quoting HSN Code of Goods or Accounting Code of Services or both wherever applicable.</p> <p>6) Invoice should mention GSTIN of BHEL R&D as mentioned in PO/LO Corporate R&D GST Registration numbers: GST compliant invoice shall mention the GST registration number of Corporate R&D: 36AAACB4146P1ZG</p> <p>7) Supplier shall mention their GSTN registration number in all their invoices and invoices shall be in the format as specified/prescribed under GST laws. Invoices shall necessarily contain Invoice number (in case of multiple numbering system is being followed for billing like SAP invoice no, commercial invoice no etc., then the Invoice No which is linked/uploaded in GSTN network shall be clearly indicated), item description as per PO, Quantity, Rate, Value, applicable taxes with nomenclature (like IGST, SGST, CGST & UTGST) separately, HSN/ SAC Code, etc.</p> <p>8) A declaration to the effect that all tax liability as per GST rules and regulations shall be discharged.</p> <p>9) Wherever E-invoice is applicable, the tax invoice/CN/DN submitted by the vendor must contain the QR code generated in E-invoice portal & IRN</p> <p>10) Vendor shall inform HSN/SAC code and the breakup of the applicable tariff/taxes (CGST/SGST/IGST/UGST) based on from and to locations with individual components in part 1 bid.</p>
6	Cartelization clause	<p>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.</p>
7	Force Majeure clause	<p>If at any time during the continuance of the contract the performance in whole or in part by either party of any obligations under the contract is prevented or delayed by reason, of any war, hostilities, acts of the public enemy, civil commotion, sabotage, fires, explosions, epidemics, quarantine, restrictions or acts of GOD (hereinafter referred to as events) and notice of happening of any such events is given by either party to other within twenty one days from the date of occurrence thereof then neither party shall by reason of such events be entitled to terminate the contract. If the performance in whole or part of any obligation under this contract is prevented or delayed by reason of occurrence of such events, then claims for extension of time shall be granted for period considered reasonable by the purchaser subject to prompt notification by the seller to the purchaser the particulars of the events, if required with supporting evidence. Any waiver of time in respect of partial instalment shall not be deemed to be a waiver of time in respect of remaining deliveries</p>
8	Firm Prices	<p>The prices shall be firm for entire period of contract.</p>

9	Restrictions under rule 144 (xi) of the GFR	Submit the Annexure (provided along with enquiry documents) in your company letter head
10	Conflict of Interest among Bidders/ Agents	<p>A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:</p> <p>a) they have controlling partner (s) in common; ♦ or</p> <p>b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or</p> <p>c) they have the same legal representative/agent for purposes of this bid; or</p> <p>d) they have relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another Bidder; or</p> <p>e) Bidder participates in more than one bid in this bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all bids in which the parties are involved. However, this does not limit the inclusion of the components/ sub-assembly/ Assemblies from. one bidding manufacturer in more than one bid; or</p> <p>f) In cases of agents quoting in offshore procurements, on behalf of their principal manufacturers, one agent cannot represent two manufacturers or quote on their behalf in a particular tender enquiry. One manufacturer can also authorise only one agent/dealer. There can be only one bid from the following:</p> <p>1. The principal manufacturer directly or through one Indian agent on his behalf; and</p> <p>2. Indian/foreign agent on behalf of only one principal, ♦ or</p> <p>g) A Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid, ♦ or</p> <p>h) In case of a holding company having more than one independently manufacturing units, or more than one unit having common business ownership/management, only one unit should quote. Similar restrictions would apply to closely related sister companies. Bidders must proactively declare such sister/ common business/ management units in same/ similar line of business.</p>
11	BREACH OF CONTRACT, REMEDIES AND TERMINATION	<p>In case of breach of contract, BHEL reserve the right to terminate the Purchase Order/ Contract either in whole or in part thereof without compensation to the vendor.</p> <p>In case of Breach of Contract, BHEL shall recover 10% amount of the contract value from the vendor in following manners:</p> <p>(i) Forfeiture/ encashment of Security instruments (Performance security, EMD etc.) available against the said contract.</p> <p>(ii) In case the value of 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 vendor, retention amount etc. with BHEL R & D or any other units of BHEL.</p> <p>(iii) Demand notice for deposit of balance recovery amount shall sent to the vendor, if security instruments or financial remedies are insufficient to affect the complete recovery.</p> <p>(iv) In case recovery is not possible from security instruments or from financial remedies mentioned above, legal remedies shall be pursued. This is without prejudice to any other action as may be deemed fit by BHEL. BHEL reserve right to recover damages on account of levy of liquidated damages, debarment, termination, de-scoping, short-closure, etc as per provisions of the contract.</p>

12	LAWS GOVERNING THE CONTRACT	The Order/Contract shall be exacted and governed by the laws of India and the Court at Hyderabad alone shall have jurisdiction in respect of any matter arising under or in connection with the Order/Contract.
13	CONCILIATION CLAUSE FOR CONDUCTING CONCILIATION PROCEEDINGS UNDER THE BHEL CONCILIATION CLAUSE	<p>The Parties agree that if at any time (whether before, during or after the arbitral or judicial proceedings), any Disputes (which terms shall mean and include any dispute, difference, question or disagreement arising in connection with construction, meaning, operation, effect, interpretation or breach of the agreement, contract or the Memorandum of Understanding, penalty deduction, time extension), which the Parties are unable to settle mutually, arise inter-se the Parties, the same may be referred by either Party to Conciliation to be conducted through Independent Experts Committee to be appointed by competent authority of BHEL from the BHEL Panel of Conciliators.</p> <p>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 in BHEL Conciliation scheme.</p>
14	ARBITRATION (WITH SOLE ARBITRATOR)	<p>Except as provided elsewhere in this contract, in case amicable settlement is not reached between the parties, in respect of any dispute or difference; arising out of the formation, breach, termination, penalty deduction, validity or execution of the Contract; time extension, or, the respective rights and liabilities of the Parties; or, in relation to interpretation of any provision of the Contract; or, in any manner touching upon the contract, then, either party may, by a notice in writing to the other party refer such dispute or difference to the sole arbitration. Sole arbitrator to be appointed by Head of Unit-BHEL R & D.</p> <p>The Arbitrator shall pass a reasoned award and the award of the Arbitrator shall be final and binding upon the Parties.</p> <p>Subject as aforesaid, the provisions of Arbitration and Conciliation Act 1996 (India) or statutory modifications or re-enactments thereof and the rules made thereunder and for the time being in force shall apply to the arbitration proceedings under this clause, the seat of arbitration shall be at Hyderabad.</p> <p>The cost of arbitration shall be borne as per the award of the Arbitrator. Subject to the arbitration in terms of Clause above, the Courts at Hyderabad, Telangana State shall have exclusive jurisdiction over any matter arising out of or in connection with this Contract.</p> <p>Notwithstanding the existence or any dispute or differences and/or references for the arbitration, the Contractor shall proceed with and continue without hindrance the performance of its obligations under this Contract with due diligence and expedition in a professional manner except where the Contract has been terminated by either Party in terms of this Contract</p>
15	Late Tenders	Tenders received after due date/time(12:00hrs) will not be considered
16	Discrepancy in words and figures	<p>(a) If, in the price structure quoted for the required goods/ Services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of 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.</p> <p>(b) 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; and</p>

		<p>(c). If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject of (a) and (b) above.</p> <p>(d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date upto which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of the purchaser, the bid is liable to be ignored.</p>
17	Two Part bid clarifications	In the case of Two-part bid, the vendor should furnish technical and commercial clarifications, if any, within stipulated time mentioned, failing which, it will be construed that the vendor is not interested in the tender and BHEL shall not consider the offer for further evaluation.
18	Price Impacts	In the event of any bidder, after finalizing the technical specifications and scope of supply, opting to revise their original bid, they have to submit the Price-Impact only. The Original price bid along with Price-Impact bid shall be opened during price bid opening. Unsolicited price impacts will not be considered.
19	Price bid evaluation	All offers in price bid opening or reverse auction shall be evaluated in Indian currency based on unit price, packing & forwarding, taxes/duties, freight charges if any, exchange rate. Loading due to non-acceptance of our standard commercial terms will be evaluated as per the LOADING FACTORS form as enclosed along with the enquiry. The exchange rate declared by State Bank of India under TT Selling rate on the technical bid open date shall be adopted for evaluating foreign currency bids.
20	Packing	The supplier shall be responsible for the goods being properly and adequately packed so as to prevent any loss, damage or deterioration during transit.
21	Withdrawal	In case the supplier withdraws their offer before placement of order, BHEL reserves the right not to send next enquiry(ies). In case the supplier withdraws the quotation after its acceptance by BHEL or fails to supply the goods as per the terms and conditions of contract, or at any time repudiated the contract wholly or in part, BHEL shall be at liberty to cancel the Purchase Order and to recover from the supplier the extra cost and other loss, incidentals due to the breach of contract on the part of the supplier through risk purchase.
22	Banned List	<p>The offers of the bidders who are in the banned list and the offers of the bidders who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website www.bhel.com.</p> <p>Guidelines for suspension of business dealings with suppliers/contractors are available on www.bhel.com under supplier registration page</p>
23	Over All L1	Order will be placed on overall L1 basis. Vendors should quote for all items, otherwise the offer will be rejected.
24	Fraud Prevention Policy	The Bidder along with its associate/collaborators/sub-contractors/sub-vendors/consultants/service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website 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.
25	Signing & Stamping	Documents of BHEL's all Terms and conditions submitted with the offer shall be signed and stamped in each page of authorized representative of the bidder

Documents submitted with the offer shall be signed and stamped in each page of authorized representative of the bidder

Read and agreed for all the above general terms and conditions

Signature of the bidder with Seal & Date



COMMERCIAL TERMS & CONDITIONS (CTC)

Volume - 1
Enquiry No
652401401

Supply of materials and preparation of track for solar panel cleaning robot

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS REMARKS	ACCEPTANCE /
1	Validity of Offer	90 days from date of techno-commercial bid opening.		

Note : All the clauses of the above format should be filled and submitted with the Techno Commercial Bid (Part-1). The filled in BHEL Commercial terms & Conditions format submitted with technical bid, responding to all the clauses duly signed with seal **only shall be considered**. Any other Commercial terms & conditions of bidders entered else where in their offer shall not be considered and are liable for rejection.

Read and understood the above commercial terms and conditions

Signature of the bidder with Seal & Date



OTHER TERMS & CONDITIONS

Volume - 1
Enquiry No
652401401

Supply of materials and preparation of track for solar panel cleaning robot

SL.No.	Clause	BHEL REQUIREMENT	SUPPLIERS REMARKS	ACCEPTANCE /
1	Payment terms	BHEL standard payment term is "100% Basic value by EFT/RTGS within 30 days from the date of completion of entire scope of order and acceptance at BHEL R&D, Hyderabad". GST shall be paid subject to payment proof of GST remittance to Govt. of India.		
2	Price Basis	All Indian suppliers shall quote the lowest prices on 'free delivery at BHEL R&D Stores or F.O.R destination' basis only.		
3	Late Delivery Penalty Clause	Failure to supply the goods and/or Failure to carryout the services within the stipulated delivery date will attract a penalty of 0.5% per week or part thereof for the value of the undelivered portion of the purchase order subject to a maximum of 10% of the total order value. In case of non acceptance to this LD Clause, 10% of basic material cost will be loaded on the quoted prices while cost comparison. (Please refer the enclosed 'Loading Factors' sheet).		
4	Delivery Period	Supplier is requested to quote delivery Period for complete scope (i.e. supply and Preparation of track along with the alignment of solar panels) from date of Purchase order.		
5	Applicable Taxes and Duties and other charges	Please indicate the applicable Taxes/Duties and other applicable charges in the offer clearly.		

Signature of the bidder with Seal & Date



ITEM SPECIFICATIONS

Volume - 2
Enquiry NO
652401401

Supply of materials and preparation of track for solar panel cleaning robot

SL.No.	Item		
1	Aluminum C channel(size 50*100*50 with 3mm thickness)		
	sl no	Descriptions	BHEL Specifications
	1	Supply of materials	Refer Annexure-1
2	GI channel(size 41*75*41 with 5mm thickness)		
	sl no	Descriptions	BHEL Specifications
	1	Supply of materials	Refer Annexure-1
3	Al Extrusion profile(size 40*90)		
	sl no	Descriptions	BHEL Specifications
	1	Supply of materials	Refer Annexure-1
4	MS L Angle(size 40*40 with 5mm thickness)		
	sl no	Descriptions	BHEL Specifications
	1	Supply of materials	Refer Annexure-1
5	SS M10 hexa bolts with nut and washer.		
	sl no	Descriptions	BHEL Specifications
	1	Supply of materials	Refer Annexure-1
6	SS M8 hexa bolts with nut and washer		
	sl no	Descriptions	BHEL Specifications
	1	Supply of materials	Refer Annexure-1
7	Miscellaneous(cutting wheels, welding rods, rust remover etc.)		
	sl no	Descriptions	BHEL Specifications
	1.	Supply of materials	Refer Annexure-1
8	Preparation of track along with the alignment of solar panels		
	sl no	Descriptions	BHEL Specifications
	1	Loosening the solar panels and align/level using shims, drilling new holes and adjusting the panels	Refer Annexure 1
	2	Bridging the large size gap using GI C-channel and Aluminum extrusion profile	Refer Annexure 1

		channels to match with adjacent solar panels.		
	3	Cutting extra length of Al extrusion profile channel then drilling and bolting it with the solar panels.	Refer Annexure 1	
	4	Filling the small size gaps between the two solar panels set by cutting and bending of the Al C-channels as per the actual sizes	Refer Annexure 1	

* Vendors are advised to write specifications in detail and not to write like 'Complied/ Yes / No ' etc. in specifications.

Signature of the bidder with Seal & Date

LOADING FACTORS



NOTE : IN CASE OF DEVIATION TO BHEL TENDER SPECIFIED TERMS, LOADING FACTOR INDICATED IN FOLLOWING TABLE WILL BE APPLIED TO QUOTED PRICE WHILE EVALUATING THE LOWEST QUOTE

A. FOR INDIGENOUS PURCHASES					
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
A.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R& D	SAME	NIL
				PAYMENT AGAINST PROFORMA INVOICE / DESPATCH DOCUMENTS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE TOTAL PO VALUE FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND BALANCE PAYMENT WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND BALANCE PAYMENT ON RECEIPT AND ACCEPTANCE OF MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT FOR ONE MONTH
A.2	SUPPLY OF EQUIPMENT INCLUDING ERECTION AND COMMISSIONING (E&C)	PAYMENT TERMS	90% PAYMENT, WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AND BALANCE 10% WITH IN 30 DAYS OF COMPLETION OF E&C.	SAME	NIL
				100% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF SUPPLIES AND E&C	NIL
				90% PAYMENT AGAINST PROFORMA INVOICE/ DESPATCH DOCUMENT AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C.	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON 90% OF THE VALUE OF PO FOR ONE MONTH
				90% PAYMENT AGAINST PROFORMA / DESPATCH DOCUMENT AND BALANCE 10% AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON TOTAL VALUE OF THE PO FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND (90 -X) % PAYMENT ON RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%)FOR THE DELIVERY PERIOD(ROUNDED OFF TO THE NEAREST MONTH)+ 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE (90-X)% AMOUNT FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE AND BALANCE (90 - X) % PAYMENT AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%)FOR THE DELIVERY PERIOD(ROUNDED OFF TO THE NEAREST MONTH)+ 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT (100-X)% FOR ONE MONTH
B. FOR FOREIGN PURCHASES (IMPORTED)					
SLNO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
B.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT BY WIRE TRANSFER WITHIN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R&D. (DESPATCH DOCUMENTS WILL BE SENT TO BHEL R&D DIRECTLY ALONG WITH BANK DETAILS)	SAME	NIL
				SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL
				LC PAYMENT AGAINST DESPATCH DOCUMENTS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE PAYMENT WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY (ROUNDED OFF TO NEAREST MONTH) + 1 MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE PAYMENT ON RECEIPT AND ACCEPTANCE OF MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
B.2	SUPPLY OF EQUIPMENT INCLUDING ERECTION AND COMMISSIONING (E&C)	PAYMENT TERMS	90% PAYMENT BY WIRE TRANSFER WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	SAME	NIL
				SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL

				90 PAYMENT BY WIRE TRANSFER /LC AGAINST DESPATCH DOCUMENTS BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON 90% OF BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% PAYMENT BY WIRE TRANSFER / LC AGAINST DESPATCH DOCUMENTS. BALANCE 10% AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% OF BASIC VALUE AS ADVANCE PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON 90% OF THE BASIC VALUE FOR DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE (90-X)% FOR ONE MONTH
				INTEREST BEARING PART ADVANCE (MAXIMUM 5% @SBI BASE RATE ON TENDER OPENING DATE+ 6%) PAYMENT WITH 110% BANK GUARANTEE BY WIRE TRANSFER/LC AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (ROUNDED OFF TO NEAREST MONTH) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT (100-X)% FOR ONE MONTH

B. FOR FOREIGN PURCHASES (IMPORTED)					
SL.NO	SCOPE	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
B.1	SUPPLY OF EQUIPMENT	PAYMENT TERMS	100% PAYMENT BY WIRE TRANSFER WITHIN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF MATERIAL AT BHEL R&D. (DESPATCH DOCUMENTS WILL BE SENT TO BHEL R&D DIRECTLY ALONG WITH BANK DETAILS)	SAME	NIL
				SIGHT DRAFT ON PRESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL
				LC PAYMENT AGAINST DESPATCH DOCUMENTS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				FULL ADVANCE PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE BASIC VALUE FOR DELIVERY PERIOD(Rounded off to nearest month) + 1 MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				PART ADVANCE (X%) PAYMENT BY WIRE TRNSFER/LC WITH BANK GUARANTEE AND BALANCE PAYMENT WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				PART ADVANCE (X%) PAYMENT BY WIRE TRNSFER/LC WITH BANK GUARANTEE AND BALANCE PAYMENT ON RECEIPT AND ACCEPTANCE OF MATERIAL	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD (Rounded off to nearest month) + 1 MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
B.2	SUPPLY OF EQUIPMENT INCLUDING ERECTION AND COMMISSIONING (E&C)	PAYMENT TERMS	90% PAYMENT BY WIRE TRANSFER WITH IN 30 DAYS FROM THE DATE OF RECEIPT AND ACCEPTANCE OF THE MATERIAL AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	SAME	NIL
				SIGHT DRAFT ON RESENTATION OF DESPATCH DOCUMENTS VIZ INVOICE, AWB ETC TO OUR BANKERS	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) FOR ONE MONTH PLUS PAYMENT RELATED BANK CHARGES INCURRED BY BHEL
				90% PAYMENT BY WIRE TRANSFER /LC AGAINST DESPATCH DOCUMENTS BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON 90% OF BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% PAYMENT BY WIRE TRANSFER / LC AGAINST DESPATCH DOCUMENTS. BALANCE 10% AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON THE BASIC VALUE FOR ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				90% OF BASIC VALUE AS ADVANCE PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE AND BALANCE 10% WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+6%) ON 90% OF THE BASIC VALUE FOR DELIVERY PERIOD (Rounded off to nearest month) + ONE MONTH PLUS LC RELATED BANK CHARGES INCURRED BY BHEL
				PART ADVANCE (X%) PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT WITH IN 30 DAYS AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD(Rounded off to the nearest month) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE (90-X)% FOR ONE MONTH
				PART ADVANCE (X%) PAYMENT BY WIRE TRANSFER /LC WITH BANK GUARANTEE AND BALANCE (90-X)% PAYMENT BY WIRE TRANSFER /LC AFTER RECEIPT AND ACCEPTANCE OF THE MATERIAL AND 10% PAYMENT AFTER COMPLETION OF E&C	LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON THE PART ADVANCE AMOUNT (X%) FOR THE DELIVERY PERIOD(Rounded off to the nearest month) + ONE MONTH AND LOADING @ (SBI BASE RATE ON TENDER OPENING DATE+ 6%) ON BALANCE AMOUNT (100-X)% FOR ONE MONTH

C. PENALTY FOR DELAYED DELIVERY (COMMON FOR INDIGENOUS AND IMPORTS)				
SLNO	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
C	LD CLAUSE	IN THE EVENT OF DELAY IN AGREED CONTRACTUAL DELIVERY, PENALTY OF 0.5% (HALF PERCENT) PER WEEK BUT LIMITED TO A MAX OF 10% OF TOTAL ORDER VALUE WILL BE APPLICABLE	AGREED	NIL
			IF NOT AGREED	LOADING @ 10% OF THE BASIC MATERIAL COST
			IF AGREED FOR X%	LOADING @ (10-X)% OF THE BASIC MATERIAL COST

D. GUARANTEE/WARRANTY PERIOD (COMMON FOR INDIGENOUS AND IMPORTS)				
SLNO	COMMERCIAL TERMS	BHEL STANDARD TERM	AS OFFERED	LOADING FACTOR FOR NON COMPLIANCE TO BHEL STANDARD TERMS
D	GUARANTEE/WARRANTY PERIOD	STIPULATED OR REQUIRED GUARANTEE/ WARRANTY PERIOD(X)	AGREED	NIL
		MINIMUM ACCEPTABLE GUARANTEE / WARRANTY PERIOD(Y)	NOT AGREED FOR STIPULATED BUT AGREED FOR MINIMUM GUARANTEE/WARRANTY(Y)	LOADING @ 10 % OF THE ORDER VALUE PER ANNUM FOR THE REDUCED GUARANTEE PERIOD (X-Y)

AUTHORISATION LETTER FOR E-PAYMENT/ NEFT / RTGS
(PLEASE FILL UP THE FORM COMPLETELY IN CAPITAL LETTERS ON YOUR COMPANY LETTERHEAD ONLY)

Vendor Code (to be filled by BHEL)	
------------------------------------	--

Type of Request (Tick one)	NEW	CHANGE
1 Company Name		
2 Address		
3 City with PIN Code		
4 State		
5 PAN Number		
6 TIN/ VAT No.		
7 CST No.		
8 Service Tax No.		
9 Name of Contact Person		
10 Mobile number		
11 Ph. no. with STD Code		
12 Fax No. with STD Code		
13 Email ID		
14 Website (URL)		

BANK DETAILS FOR EFT / RTGS

1	Bank Name	
2	Branch	
3	Branch Code	
4	Branch Address	
5	Branch Phone No	
6	Account No.	
7	Account Type: SB/ Current/ other (Specify)	
8	MICR Code	
9	IFSC Code	

I, as an authorized representative / owner of the above named company, hereby state as under:

1. Enclosed here with a cancelled cheque in support of our company's bank details.
2. Authorize BHEL R&D Hyderabad, to electronically make payments to the designated bank account with bank charges, if any, to our account.
3. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold BHEL / transferring Bank responsible.
4. I hereby certify that the particulars given above are true, complete and correct.
5. This authority remains in full force until BHEL receives and acknowledge written notification requesting change or cancellation.

Date :
Company
Seal

Authorised Signatory
Designation :



RD:MPX:F-13

Bharat Heavy Electricals Limited

Corp. R&D DIVISION

VIKAS NAGAR,

HYDERABAD- 500 093 (INDIA)

VENDOR REGISTRATION FORM

(Indigenous supplier)

[FORM TO BE SUBMITTED* BY THE BIDDER ALONG WITH TECHNICAL-BID]

Before filling, please refer to instructions on page-4

1.0 VENDOR PROFILE:

1.1 Name and address of the vendor:

Phone Nos.:

Fax No.:

Email: 1.

2.

1.2 Local representative name & address in Hyderabad/Secundrabad :

Phone Nos.:

Fax No.:

Email:

Contact Person:

Mobile No:

2.0 TYPE OF ORGANISATION:

PROPRIETORSHIP	Company:	Sister Concern (mention vendor registration number of main organization)	
Partnership	CORPORATION	Small Scale Industry	ANY OTHER(Please specify)

In case of SSI unit, copy of registration to be enclosed. It is requested that MSME registration certificate to be enclosed and tick the following:

Type of Major Activity: Manufacturing / Service

Category of Enterprise: Micro / Small / Medium

Social Category : GENERAL / SC / ST / OBC

Udyog Adhaar Number (UAN): _____

3.0 ANNUAL TURN OVER:

#	Year	Turn-Over, Rs.
1	Current Year(budgeted)	
2	Previous year (200 - 0)	
3	Prior Year (200 - 0)	

4.0 NAME AND ADDRESS OF THE BANKER:

4.1 Bank Name

4.2 Branch name

4.3 Account number

4.4 Account Type

4.5 MICR Code:

4.6 IFSC Code(RTGS/NEFT):

4.7 Bank Phone number(s),

Blank cheque, duly cancelled, to be enclosed.

Please note that all payments shall be made through Electronic clearance services to your above account against the orders executed, if any.

5.0 REGISTRATION PARTICULARS(relevant copies to be enclosed)

5.1 IT Permanent Account No.(PAN):

5.2 State Sales Tax/VAT Registration No:

5.3 Central Sales Tax Registration No:

5.4 ED Registration No:

5.5 Service Tax Registration No:

5.6 PF Account No:

5.7 Labour Licence No:

5.8 ESI Account No:

6.0 CONTACT PERSON: S/Sri:

Designation:

Phone / Mobile No:

7.0 TOTAL NUMBER OF EMPLOYEES:

Graduates(Engr/Scientists/Mgmt/Fin.)	Consultants	Workers		
		Sup./Skilled	Semiskilled	Unskilled

8.0 LIST OF PRODUCTS/ SERVICES OFFERED:

#	Products/ Services	Capacity
1		
2		
3		
4		
5		

9.0 REFERENCE LIST :

(Only recognized public and private sector companies, attach if printed copy available)

#	Customer	Volume / Year
1		

2		
3		
4		
5		

10.0 INFRASTRUCTURE / FACILITIES:

#	Facility (with specifications)	Age/ Year procured
1		
2		
3		
4		
5		

11.0 REGISTRATION WITH OTHER BHEL UNIT/UNITS:

#	Unit	Registration No	Year
1			
2			
3			
4			

12.0 ANY OTHER INFORMATION :

DECLARATION:

The information furnished above is true and authentic.

(CEO / PROPRIETOR)

SEAL:

DATE:

Note:

1. Registered bidders, having BHEL (R&D) registration no. or have submitted this format for registration, need not furnish this information again.
2. The competent authority reserves the right to accept or reject the registration.
3. Vendors approved for registration will be informed by mail / email, as convenient. A separate communication will be sent in case of non-registration also, citing reasons thereof.
4. BHEL reserves the right to take penal action as deemed fit if any of the information provided by the vendor(s) is found to be incorrect.
5. AGM, Head (MM) may be contacted for clarification/additional information on registration.

Instructions

1. Fill all items. Please mention "N.A." for items/ clauses not applicable.
2. Use A4 sheets for this document and the enclosures. Use of additional sheets is permitted if space provided is not adequate.
3. Attach copies of latest documents in respect of items 5.0 (Registration no.s)
4. Photographs of registered office and the chief executive/proprietor shall be furnished.



R&D

HEAT TRANSFER & FLUID FLOW**IMD 0011
REV 00**

PAGE 01 OF 02

Annexure 1
Technical Specification

1. Purpose of specification: Supply of materials and preparation of track for solar panel cleaning robot at Solar Power Plant BHEL Corporate R&D Hyderabad.
2. Technical Requirements and Scope of supply/work.

S. N.	Scope of supply/ work	Technical Requirements			
		SN	Items	Unit	Qty
I	Supply of Material	1	Aluminum C channel (size 50*100*50 with 3mm thickness).	meter	200
		2	GI channel (size 41*75*41 with 5mm thickness)	meter	70
		3	Al Extrusion profile (size 40*90). Ref dwg no is RD-DG-3-TDL-AEP-01.	meter	24
		4	MS L Angle (size 40*40 with 5mm thickness).	meter	125
		5	SS M10 hexa bolts with nut and washer.	No's	250
		6	SS M8 hexa bolts with nut and washer.	No's	200
		7	Miscellaneous (cutting wheels, welding rods, rust remover etc.).	Set	1
II	Preparation of Track	<ol style="list-style-type: none">1. There are eight numbers of rows in the solar power plant (refer drawing no. JSPL/BHEL/250KW/10). All rows should be aligned/level within 10mm range in horizontal and vertical direction.2. Alignment of panels:<ol style="list-style-type: none">a) The panels should be aligned with reference to first set of panels starting from the right side of the plant.b) Some panels will be aligned by loosening/opening of the existing bolts and adjusting within current clearance/slot or by inserting the shims.c) Some of the panels need to be opened and freshly drilled for the perfect alignment.3. Cutting the extra length of Al extrusion profile channels then drilling and bolting it with the solar panels.4. There are smaller gaps of sizes 200mm to 250mm between the each set of panels. The aluminium C-channels should cut and bend to fill these gaps (Refer drawing no. RD-DG-3-TDL-FP-01 and RD-DG-3-TDL-FP-02). Then these fillers should be bolted after inserting in			

FORMAT
TD-20
REV -00PREPARED BY:
Ravinder Kumar

APPROVED BY:

Mukesh Kumar Verma

DATE:
21/12/2024

REF DOC

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R&D

HEAT TRANSFER & FLUID FLOW**IMD 0011****REV 00**

PAGE 02 OF 02

		<p>the gaps of aluminium profile channels. Total 288 numbers of gaps are there in all eight lines.</p> <p>5. There is a large size gap (around 3meters) in each row. The AL C-channels should be mount on top and bottom of this gap for the movement of cleaning robot. To mount AL C-channel, GI C-channels should be fixed on top and bottom sides of the panels according to the drawing no RD-DG-3-TDL-LGF-01. Aluminium extrusion profile channel (refer drawing no. RD-DG-3-TDL-AEP-01) should be extended and bolted from these GI C-channels to fix the AL C-channels.</p>
III	Site visit	If required, the vendor may visit the site at BHEL Corporate R&D Hyderabad before quote to understand the work.
IV	Site availability	The site is ready. The alignment work may start after PO placement.
V	General terms and conditions	<ol style="list-style-type: none">1. All tools and tackles are to be arranged by the vendor.2. Necessary PPE (Personal protection equipment) have to be provided by the vendor.3. In case of shortage of consumable materials like welding electrode, cutting wheels, rust removal etc for completing the scope of work as per order shall be replenished by the supplier on for destination basis without any cost implication to BHEL.
VI	Safety and Statutory requirement	The contractor/Vendor shall ensure all safety and statutory requirement related to its staff.
VII	Warranty	Warranty period for track shall be 1 years from the date of completion of entire scope and acceptance by BHEL R&D.

FORMAT
TD-20
REV -00PREPARED BY: *Ravinder Kumar*
Ravinder KumarAPPROVED BY: *Mukesh Kumar Verma*
Mukesh Kumar VermaDATE:
21/12/2024

REF DOC

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Option -1

ASB → 01, 02, 03, 04, 05
SCB = 1-20

ASB → 03, 04, 05
SCB → 21 → 47



S-44, S-39, S-7,

S-34 Pond Damaged

SCB1: S1, S2, S3, S4, S5, S6, S7, S8, S9, S10, S11, S12, S13, S36, S37
SCB2: S14, S15, S16, S17, S18, S19, S20, S21, S22, S23, S24, S25, S31, S34, S35
SCB3: S26, S27, S28, S29, S30, S32, S33, S38, S39, S40, S41, S42, S43, S44, S45
= = =

Cable Laying and A/B positions in the Layout.
250 KWp SPV Plant at BHEL (R & D), Hyderabad

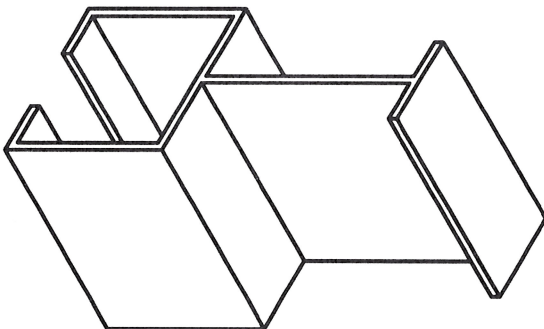
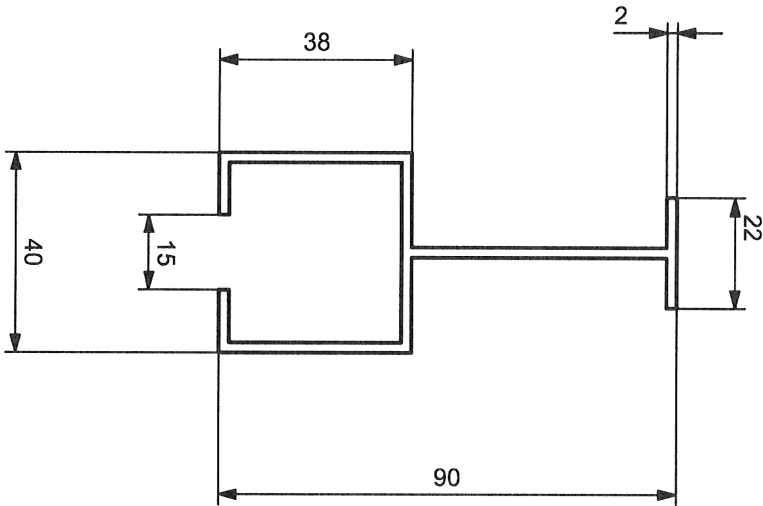
CONTROL ROOM

 JISNU SOLAR PVT. LTD. Plot No. 1555, 5th ROAD NO. 43, AGRIET WELLS HYDRABAD - 500 041				ALL DIMENSIONS ARE IN MM	
DESIGN	NAME	SIZE	DATE	PROJECT NAME	PROJECTION 
CHECKED	Signature		13.12.2014	250 KWp BHEL (R & D)	
APPROVED	Signature		13.12.2014	PROJECT	
SCALE 1:1000 (Horizontal) & 1:500 (Vertical)				SHEET 1 of 1	

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO.
RD-DG-3-TDL- AEP-01



TYPE OF PRODUCT DESIGN OF ALUMINIUM EXTRUSION PROFILE
OR



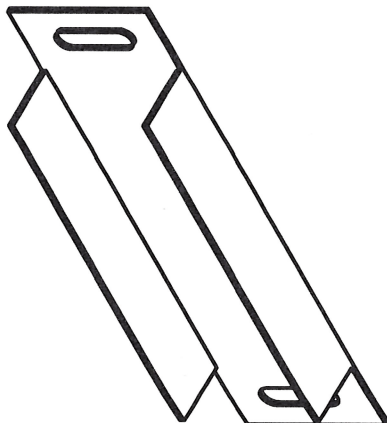
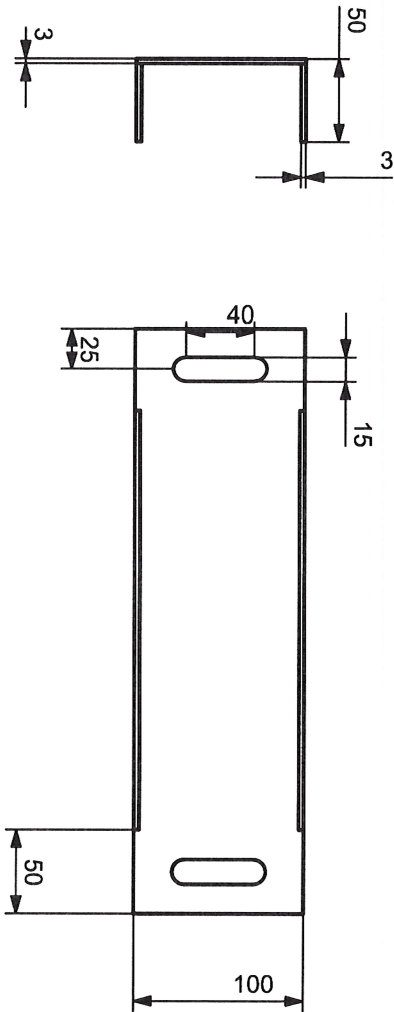
BHARAT HEAVY ELECTRICALS LTD.
HYDERABAD

DRN.	NAME	SIGN.	DATE	NO. OF
CHD.	RAVINDER KUMAR		18.12.2024	VAR.
APPD.	DEEPAK SACHAN		18.12.2024	NA

DEPT.	IMD	SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF
CODE	76	1:1	NA	ITEMS

TITLE	CARD CODE	DRAWING NO.	REV.
DESCRIPTION	NA	RD-DG-3-TDL- AEP-01	00
		SHEET No.: 1	NO OF SHEETS: 1

DRG. NO.
RD-DG-3-TDL-FP-01



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INVENTORY NO
SIGN. AND DATE
COMP. FILE NAME

Kumar

NOTE:

1. THE DISTANCE X VARIES ACCORDING TO THE GAP BETWEEN THE PANELS

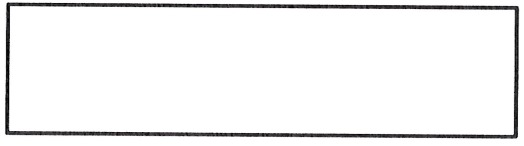
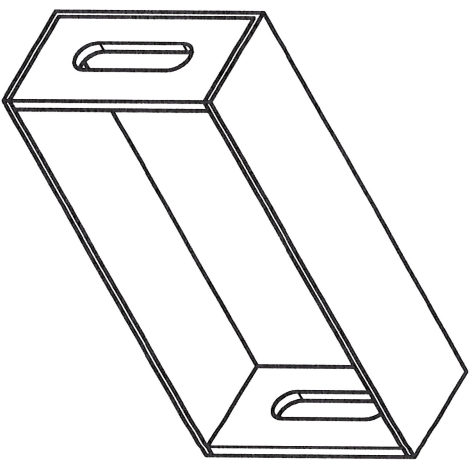
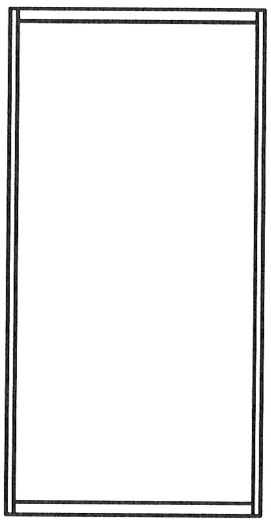
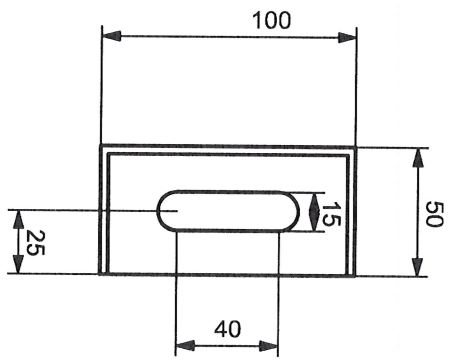
TYPE OF PRODUCT FILLER PLATES TO FILL THE GAP BETWEEN
OR
SOLAR PANELS BEFORE BENDING.

		BHARAT HEAVY ELECTRICALS LTD.		NAME		SIGN.		DATE		NO. OF	
HYDERABAD				DRN.		RAVINDER KUMAR		18.12.2024		VAR.	
				CHD.		DEEPAK SACHAN		18.12.2024		NA	
				APPD.				18.12.2024			
DEPT. IMD		SCALE 1:3		WEIGHT (KG)		REF. TO ASSY DRG.		ITEM NO.		NO. OF ITEMS	
CODE 76								NA		1	
TITLE				CARD CODE		DRAWING NO.		REV.			
DESCRIPTION				NA		RD-DG-3-TDL-FP-01		00			
				SHEET No.: 1		NO. OF SHEETS: 1					

FIRST ANGLE PROJECTION

(ALL DIMENSIONS ARE IN mm)

DRG. NO.
RD-DG-3-TDL-FP-02



INVENTORY NO. SIGN. AND DATE COMP. FILE NAME THE INFORMATION ON THIS DOCUMENT IS THE PROPERTY OF BHARAT HEAVY ELECTRICALS LIMITED. IT MUST NOT BE USED DIRECTLY OR INDIRECTLY IN ANY WAY DETRIMENTAL TO THE INTEREST OF THE COMPANY

TYPE OF PRODUCT FILLER PLATES TO FILL THE GAP BETWEEN
OR
SOLAR PANELS AFTER BENDING

BHARAT HEAVY ELECTRICALS LTD. HYDERABAD		DRN.	NAME	SIGN.	DATE	NO. OF VAR.
		CHD.	DEEPAK SACHAN		18.12.2024	18.12.2024
		APPD.			18.12.2024	NA

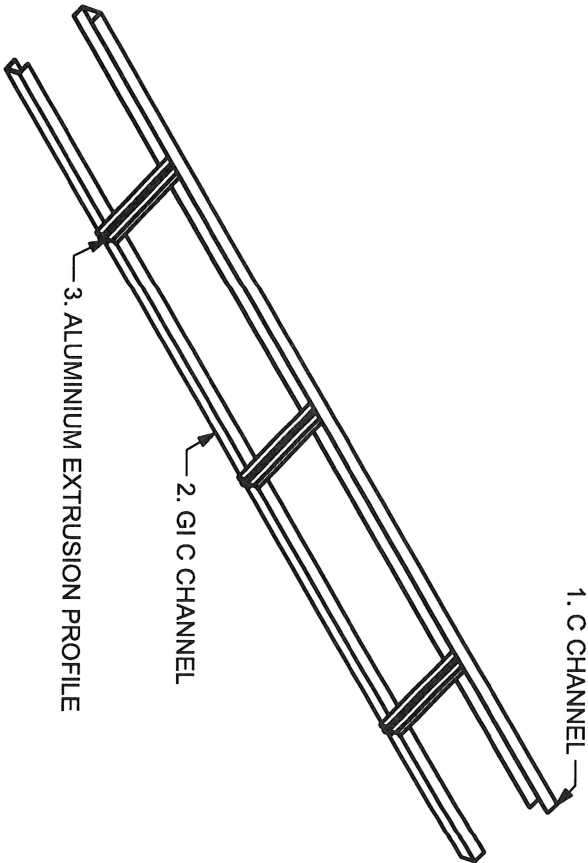
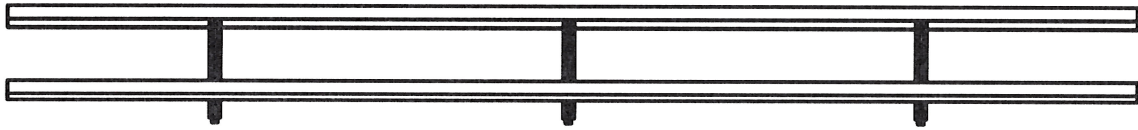
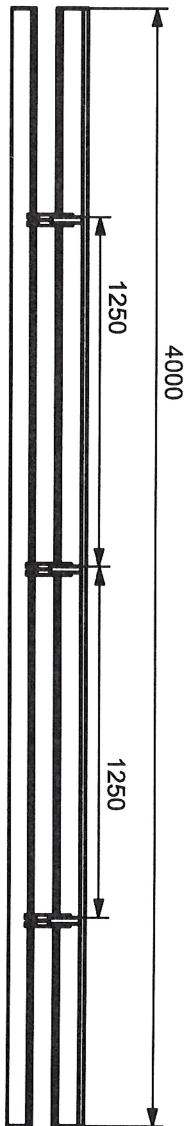
DEPT.	IMD	SCALE	WEIGHT (KG)	REF. TO ASSY DRG.	ITEM NO.	NO. OF ITEMS
CODE	76	1:2	NA	1
TITLE		CARD CODE	DRAWING NO.	REV.		
DESCRIPTION		NA	RD-DG-3-TDL-FP-02	00		
		SHEET No.	1	NO OF SHEETS:	1	

Signature

FIRST ANGLE PROJECTION


(ALL DIMENSIONS ARE IN mm)

10-GT-TDL-3-GD-3
RD-DG-3
DRG. NO.



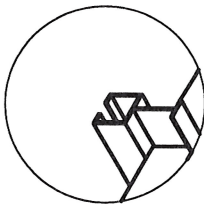
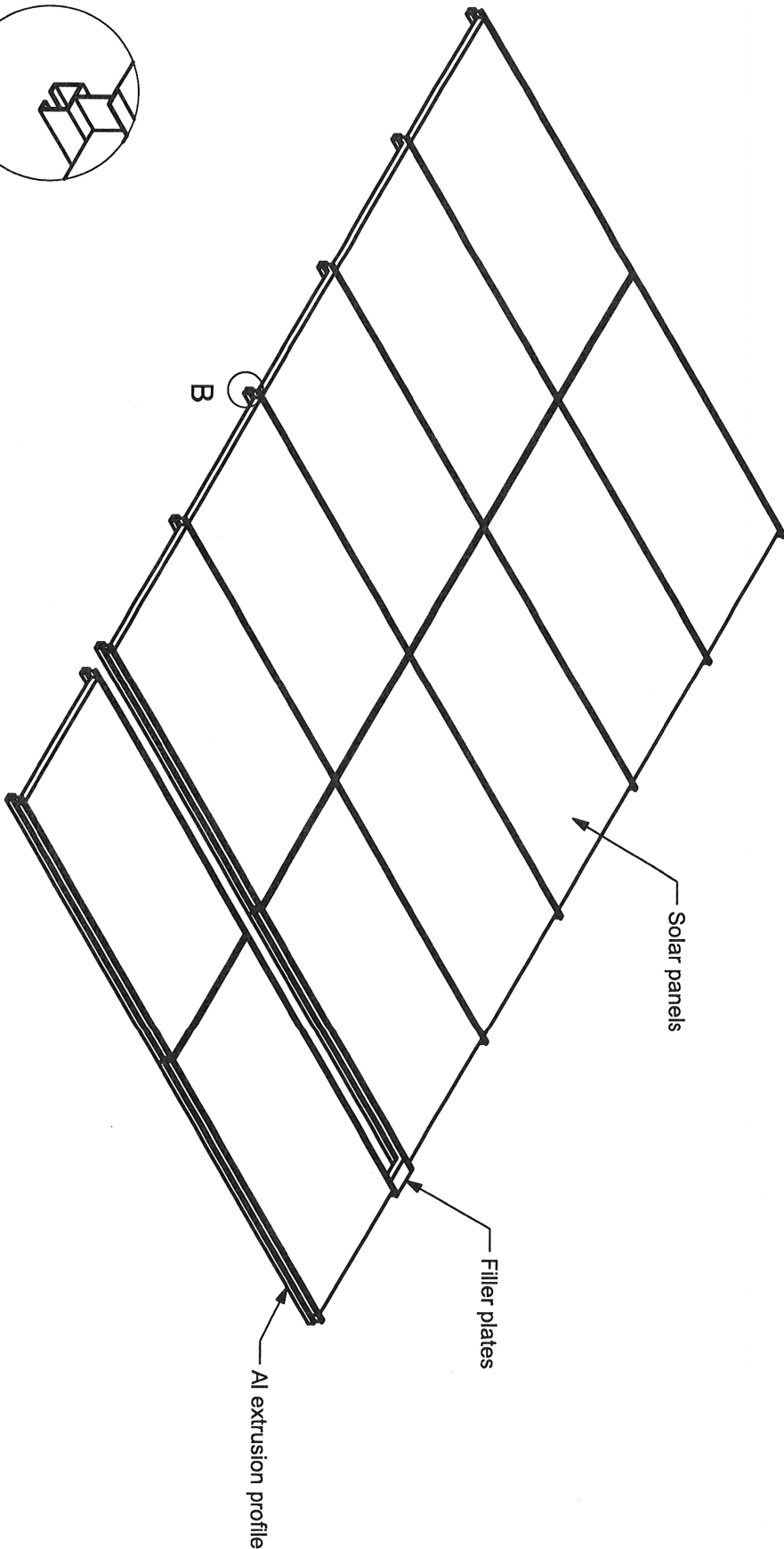
- NOTE:
1. ALUMINIUM C CHANNEL OF SIZE 50*100*50 AND 3MM THK.
 2. GI C CHANNEL OF SIZE 41*75*41 AND 5MM THK.
 3. ALUMINIUM EXTRUSION PROFILE. REFER DWG NO RD-DG-3-TDL-AEP-01
 4. THE HOLES TO BE MADE ON AL C-CHANNEL AND GI C-CHANNEL AT SITE ACCORDING TO THE ACTUAL ACTUAL POSITION FOR PROPER FIXING.

1
Ranvir

TYPE OF PRODUCT		DESIGN OF STRUCTURE TO FILL THE GAP	
OR		BETWEEN 8FEETS TO 10FEETS	
		BHARAT HEAVY ELECTRICALS LTD.	
HYDERABAD			
DEPT. IWD	SCALE 1:18	WEIGHT (KG)	REF. TO ASSY DRG.
CODE 76			
TITLE DESCRIPTION		CARD CODE NA	DRAWING NO. RD-DG-3-TDL-LGF-01
		SHEET No.: 1	NO OF SHEETS: 1
		REV. 00	

DRN. RAVINDER KUMAR	SIGN.	DATE 18.12.2024	NO. OF VARS.
CHD. DEEPAK SACHAN		18.12.2024	NA
APPD. DEEPAK SACHAN		18.12.2024	NA

DRG. NO.
RD-DG-3-TDL- SPA-01





DETAIL B

SCALE 1:5

Extra length of Al extrusion profile

Signature

TYPE OF PRODUCT OR		AL C channels and Filler plates positioning mounting and joining	
		BHARAT HEAVY ELECTRICALS LTD. HYDERABAD	
DEPT. IMD	SCALE 1:25	WEIGHT (KG)	NAME DRN. RAVINDER KUMAR CHD. DEEPESH AGGARWAL APPD. DEEPAK SACHAN
CODE 76		REF. TO ASSY DRG.	DATE 18.12.2024 18.12.2024 18.12.2024
TITLE DESCRIPTION		CARD CODE NA	DRAWING NO. RD-DG-3-TDL- SPA-01 SHEET No.: 1
			NO. OF ITEMS 1

(Compliance to be submitted on the Bidder's Letterhead)
(as applicable)

Sub: Compliance to Government of India order OM No.6/18/2019-PPD dated 23.07.2020 & 24.7.2020 regarding restrictions under Rule 144 (XI) of the General Financial Rules (GFRs), 2017

BHEL enquiry ref:	
Our quotation ref:	

We, The Bidder have read and understood the contents of the office Memorandum & the Order (Public Procurement No. 1) both bearing no. F.No.6/18/2019/PPD of 23rd July 2020 issued by Ministry of Finance, Government of India on insertion of Rule 144 (Xi) in the General Financial Rules (GFRs) 2017 and the amendments & clarifications thereto, regarding restrictions on availing/procurement of goods and services, of any Bidder from a country which shares a land border with India and/or sub-contracting to contractors from such countries.

"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 this bidder is not from such a country or, if from such a country, has been registered with the Competent Authority (strikeout whichever is not applicable). I hereby certify that this bidder fulfills all requirements in this regard and is eligible to be considered. [Where applicable, evidence of valid registration by the Competent Authority shall be attached]"

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

For and behalf of _____ (Name of the bidder)

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