



**BHARAT HEAVY ELECTRICALS LIMITED** भारत हैवी इलेक्ट्रिकल्स लिमिटेड  
(A GOVT. OF INDIA UNDERTAKING) (भारत सरकार का उपक्रम)  
**PROJECT ENGINEERING MANAGEMENT** परियोजना अभियांत्रिकी प्रबंधन

**निविदा आमंत्रण सूचना**  
**NOTICE INVITING TENDER (NIT)**

**Enquiry No- 77/24/6077/SUM**

**Date -11-Mar-25**

**BHEL invites offers from reputed Suppliers as per following terms and conditions -**

1. Tender Type	Open Tender (Domestic-Indian)		
2. Package	CABLE TRAY SUPPORT SYSTEM - BOLTABLE		
3. Project	Framework Agreement (Rate Contract) of CABLE TRAY SUPPORT SYSTEM - BOLTABLE		
4. Executing Agency	BHEL-PEM		
5. Mode of Enquiry	E - PROCUREMENT		
6. Nature of Package (Divisible/Non-Divisible)	Divisible		
7. Numbers of Part bid	2-Part bid (Techno-commercial and Price bid)		
8. Due Date & Time	For offer submission	22.03.2025	12:00 IST
	For P-1 bid opening	22.03.2025	16:00 IST
9. Earnest Money Deposit (EMD)	Not Applicable	EMD Amount	NA
10. Tender Cost	NIL		
11. Eligibility of Local Supplier as per MII	Only Class I Supplier and Class II Suppliers		
12. Technical Scope	As per Technical specification No: PE-TS-999-507-E013		
13. Pre-bid Clarification	Suppliers to contact BHEL-PEM (over phone/ mail/ visit-BHEL-PEM) for any clarification (Technical or Commercial) at least 05 days before the due date of Tender opening & get it clarified well before the due date, so that offers by the Suppliers may be submitted within the due date & time.		
14. Prequalification Requirements	Financial PQR- YES		Technical PQR- YES
15. Delivery terms for Supply	FOR Despatch Station		
16. Delivery Schedule:			
A. Main Supply	130 days from the date of PO.		

**Notes:**

- Supplier to start manufacturing/supply only after getting the applicable Primary engineering Drgs. /docs approved from BHEL/End Customer.
- Drawings /documents submission/re-submission schedule shall be as per Technical specification (PE-TS-999-507-E013) which shall be used for progress monitoring purpose and required course correction, if any.
- The delivery date specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.
- The delivery conditions specified are for Contractual purposes. However, to meet project requirement, BHEL may ask for early deliveries without any compensation thereof.



2.0 Validity of Contract placed on basis of Framework Agreement (Rate Contract) for individual projects (PO rates, terms and conditions):

Vendor has to make supply of goods/services as per the delivery time mentioned above. However, due to unavoidable circumstances if delay happens in providing inputs/ clearances (inputs, Engineering approvals, deputing inspector for inspection, issuance of MDCC and any hold imposed owing to site issues etc.) for which delivery time extension is admissible as per point no.3, in such situation it shall be obligatory at vendor part to execute the Contract at PO rates, terms and conditions where inputs/ clearances has been accorded within validity of Contract. Validity period for various activities shall be as defined below or as mentioned in the NIT.

2.1 Contract for main supply shall be valid for 210 ('C') days from the PO date. However, delay at vendor's end (if any) shall be added to the validity period and Contract validity shall get extended by the delay period at vendor's end.

For example: Original Delivery period for main supply: A (in days)

Delay at vendor's end: B (in days beyond "A" days)

Contract validity: C+B (in days)

Notes:

- B is the Vendor delay days beyond original Contractual delivery period for main supply /extended delivery period owing to time taken by BHEL.
- Main supply, applicable in the Contract released/ cleared for manufacturing within Contractual validity period, to be supplied by vendor/supplier at PO rates, terms and conditions.
- Execution of the Contract quantities released beyond Contract validity period shall be decided on mutual consent basis at PO rates, terms and conditions.

3.0 Delivery Extension: Extension of Contractual delivery time:

Delivery time mentioned in the NIT includes Engineering completion time (time for drawing/document submission/resubmission by the vendor and review/approval of the same by the BHEL/End customer), manufacturing, inspection, Packing and dispatch time. Due diligence is to be observed by the vendor to ensure timely completion of engineering and supply.

During the execution of the Contract, time loss occurred owing to the reason attributable to BHEL besides force majeure shall be considered for delivery time extension to the vendor as given below: -

- Any Delay in providing comments/ approval on Primary drawing/documents beyond the stipulated time as specified in NIT.
- Time Loss in approval of the drawing/document as a result of increase in the iteration not attributable to the vendor (i.e. resubmission owing to end customer comments) as certified by BHEL. Time extension equivalent to the resubmission time noted in the tech. spec and consequential increase in the approval time in lieu of increase in iteration shall be applicable. However, for incomplete re- submission time loss shall be in vendor account.
- Delay in providing engineering input/material by BHEL.
- Delay in deputing inspector for inspection and delay in release of MDCC in line with GCC
- Any hold put by BHEL for whatever reasons during execution of Contract (within Contract validity period), time extension equivalent to hold period shall be admissible. However, in the event hold period continues for more than 30 days then, an additional fifteen days for the purposes of mobilization and demobilization of resources shall also be admissible.

Note: Extension in delivery period if any with or without imposition of LD shall be considered after detailed delay analysis based on provisions given above. However, no delay analysis will be applicable if supply is completed within delivery schedule as specified in Purchase order.

#### 17. **Liquidated Damages (LD):**

**Liquidated Damages:** Buyer reserves the right to recover from the Supplier, as agreed liquidated damages and not by way of penalty, a sum equivalent to half (½) percent of the undelivered portion of Contract price excluding GST per week or part thereof, subject to a maximum of ten (10) percent of total of Contract price



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excluding GST, if the Supplier fails to deliver any part of the ordered goods/stores within the period stipulated in the Order/ Contract.

All other terms and conditions of LD shall be as per GCC Rev. 07 and Corrigendum 01 & 02 to GCC Rev. 07.

**18. Guarantee Terms:** As per Clause No. 12.0 except Clause no. 12.2(b) of General Commercial Terms & Condition of GCC Rev. 07.

**19.** Validity of offer shall be as per Clause no. 7 (Instruction to Suppliers) of GCC Rev. 07.

**20.** PVC (Price Variation Clause) shall be applicable as per enclosed PVC Annexure to NIT. All Suppliers shall quote as per the Price Variation Formulae Annexure (Annexure-C to Technical Specification) to NIT.

- For reference dates (base date and end date for PVC), please refer the Price Variation Formulae Annexure (Annexure-C to Technical Specification) to NIT.
- The price variation shall be limited to + 20% of total ex-works and negative price variation shall be unlimited.

**Note- PVC is not applicable for nut, washer, bolt.**

<b>21.</b> CIF Content	Not Available
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<b>22.</b> Integrity Pact Applicability	Yes, Following Independent External Monitors (IEMs) have been appointed by BHEL - Shri Otem Dai, IAS (Retd.) (iem1@bhel.in) Shri Bishwamitra Pandey, IRAS (Retd.) (iem2@bhel.in) Shri Mukesh Mittal, IRS (Retd.) (iem3@bhel.in)
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**23. Tender Evaluation - Price will be finalized through RA.** The evaluation currency for this tender shall be INR. Evaluation will be done on overall L1 (Total Package Price including Freight excluding taxes) basis with necessary loading as applicable.

In the course of evaluation, if more than one Supplier happens to occupy L-1 status, effective L-1 will be decided by soliciting discounts from the respective L-1 Suppliers.

In case more than one Supplier happens to occupy the L-1 status even after soliciting discounts, the L-1 Supplier shall be decided by a toss/ draw of lots, in the presence of the respective L-1 Supplier (s) or their representative(s). Ranking will be done accordingly. BHEL's decision in such situations shall be final & binding.

**24. Payment Terms:**

As per clause No. 9.1 of General Commercial Terms and Conditions of GCC Rev. 07 i.e.

Payment of basic price of supplied materials (as per PO/ approved billing schedule) along with freight and taxes and duties (as applicable), shall be paid against receipt of material (receipted LR) at site on pro-rata basis. 10% of basic price of materials supplied will be retained as security deposit which will be released on pro-rata basis as below:

On receipt of Material Receipt Certificate (MRC) from project site engineer of owner/Buyer and on submission of certificate of submission of all the final documents for the package (as per Annexure IX(A) of GCC Rev. 07), duly certified by Engineering Department of Buyer.

Note:

Payment will be released within days as mentioned below after submission of complete documents:

- 90 days for non MSME as per MSMED Act
- 45 days for vendors qualified and registered as Micro and Small Enterprises MSEs as per MSMED Act
- 60 days for vendors qualified as Medium Enterprises as per MSMED Act.

**25.** Clause no 9.6 (excluding Notes) of GCTC of GCC Rev. 07 shall be read as-



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"Suppliers shall submit billing documents for payment directly to BHEL. Payment will be released within days as mentioned below after submission of complete documents as per clause no 9.7.2 - 9.7.5:

- 90 days for non-MSME as per MSMED Act.
- 45 days for Suppliers qualified and registered as Micro and Small Enterprises MSEs as per MSMED Act.
- 60 days for Suppliers qualified as Medium Enterprises as per MSMED Act.

**26.** GST shall be payable extra at actual as per the HSN code finalized for the items during detailed BBU.

**27. Reverse Auction:**

BHEL shall be resorting to Reverse Auction (RA) (Guidelines for Reverse Auction - 2024, as available on [www.bhel.com](http://www.bhel.com) on "Supplier registration page") for this tender. RA shall be conducted among all the Techno-Commercially qualified Suppliers.

Price Bids of all the Techno-Commercially qualified Suppliers shall be opened and same shall be considered as initial bids of Suppliers in RA. In case any Supplier(s) do(es) not participate in online Reverse Auction, their sealed envelope price bid along with applicable loading, if any, shall be considered for ranking.

"The Suppliers has to quote the Single Price (i.e. Total Cost to BHEL) in Reverse Auction. Prices are to be inclusive of Packing & Forwarding charges, all as per tender scope, Freight as applicable, including loading (if any) but excluding GST. De-loading (if any) shall be done in line with NIT terms."

**28.** Supplier to note that this is an Open Tender enquiry & Reverse Auction participation shall be subject to following condition:

- Qualifying Technical and Financial Pre-Qualification Requirement.
- Techno-Commercial acceptance of offer by BHEL-PEM.
- Registration in BHEL-PEM for the Tender package
- Customer Approval before Reverse Auction.

The Suppliers who are not registered with BHEL-PEM may apply for registration in BHEL-PEM through Registration Portal available at <https://supplier.bhel.in/>. All credentials and/ or documents duly signed & stamped related to registration has to be uploaded on the website & submit the application for registration. One set of hard copy filled-up SRF downloaded from Online Registration Portal duly signed & stamped has to be submitted.

**29.** Performance Security (PS)

PS Applicability

No Performance Security (PS) against the current enquiry for Framework Agreement (Rate Contract) for Tender package.

However, Suppliers to note that Performance Security shall be submitted for orders placed by the concerned Purchase Groups of concerned BHEL unit on the Framework Agreement (Rate Contract).

Successful Supplier/s will have to submit Performance Security for each POs (irrespective of value) which will be placed under the Framework Agreement (Rate Contract) finalized through this tender considering FA (RC) as original Contract as per the format given in GCC Rev 07.

Relevant details of the PS to be submitted on the basis of Framework Agreement (Rate Contract) are as following:

Initially 10% of the Contract value (total Ex-works price). However, 5% of the Contract value (as above) will be released after completion of Main Supply based on certification by Purchasing Department of BHEL unit.

Balance 5% of the Contract value (excluding PVC) will be released on completion of all Contractual obligations, including guarantee/warranty obligations





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		based on certification by Purchasing Department of BHEL unit.
		OR
	II	5% of the Contract value (total Ex-works price). Additional 5% of the Contract value will be retained from first bill & subsequent bill(s) of the same Contract. The retention amount will be released after completion of main supply based on certification by Purchasing Department of BHEL unit. Balance 5% of the Contract value (excluding PVC) will be released on completion of all Contractual obligations, including guarantee/warranty obligations based on certification by Purchasing Department of BHEL unit.
	Validity of PS	As per clause no. 11.0 (except 11.4) of General Commercial Terms and Conditions of GCC Rev 07.
	PS Submission	PS should be in favour of concerned BHEL unit. Supplier may opt any of the following for submission of Performance Security: -
	Modes of Deposit	Performance security may be furnished in the following forms:  a) Local cheques of Scheduled Banks (subject to realization)/ Pay Order/ Demand Draft/ Electronic Fund Transfer in favour of BHEL. b) Bank Guarantee from Scheduled Banks / Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL. c) 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). d) 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). e) Insurance Surety Bond.  (Note: BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith)  Performance Security is to be furnished within 14 days from the date of PO and it should remain valid for a period of 60 (sixty) days beyond the date of completion of all Contractual obligations of the Supplier, including warranty obligations.
	Remarks for PS:	a) The performance security will be forfeited and credited to BHEL's account in the event of a breach of



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		<p>Contract by the supplier.</p> <p>b) Performance security should be refunded to the Contractor without interest, after he duly performs and completes the Contract in all respects but not later than 60 (sixty) days of completion of all such obligations including the warranty under the Contract.</p> <p>c) However, Performance Security validity is to be extended based on the actual delivery of package.</p> <p>The Performance Security shall not carry any interest.</p>
<b>30. Breach of Contract, Remedies and Termination</b> (Tenderer to note that this clause will supersede any clause regarding recovery amount from Tenderer due to Breach on Contract mentioned anywhere in GCC Rev. 07 and its Corrigendum)	<p>In case of Breach of Contract, BHEL shall recover 10% of the Contract value from the Supplier using following instruments:</p> <ul style="list-style-type: none"><li>(i) Encashment of security instruments like EMD, Performance Security with executing agency (PEM) against the said Contract.</li><li>(ii) Balance amount (if value of security instruments is less than 10% of the Contract value) from other Financial remedies i.e. available bills of the Supplier, retention amount etc. with executing agency (PEM).</li><li>(iii) Balance amount from security instruments like EMD, Performance Security and other Financial remedies i.e. available bills of the Supplier, retention amount etc. with other units of BHEL.</li><li>(iv) If recovery is not possible then legal remedies shall be pursued.</li></ul> <p>However, Supplier shall continue performance of the Order/ Contract, under all circumstances, to the extent not cancelled.</p>	
<b>31. Suppliers are requested to refer clause no 26.0 (Make in India) of instructions to Supplier of GCC Rev. 07. Further, following shall be taken into consideration for submitting bids by Suppliers:</b>	<ul style="list-style-type: none"><li>• 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 preference 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 NIT, the same shall be applicable even if issued after the issue of the NIT, the same shall be applicable even if issued after the issue of tis NIT, but before opening of Part-II bids against the NIT.</li><li>• Both Class-1 Local suppliers &amp; Class-2 Local suppliers are eligible to bid for this tender / bid. Minimum Local Content required for qualifying a bidder as "Class I Local Supplier / Class II Local Supplier" shall be as per para no. 5 of Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dt. 16/09/2020 issued by DPIIT, MOP circular No. A-1/2021-FSC-Part (5) dated 16.11.2021 and No. P-45021/2/2017 (PP) dtd 19.07.2024</li><li>• Suppliers are requested to go through the above-mentioned orders and submit their adherence to Public Procurement (preference to make in India), order 2017 dtd. 15.06.17, 28.05.18, 29.05.19, 16.09.20 &amp; 19.07.24 and subsequent orders.</li></ul>	
<b>32. Purchase preference to MSE Supplier: Yes.</b>		
<b>33. Framework Agreement (Rate Contract) Order Splitting</b>		
a. Framework Agreement (Rate Contract) is proposed for Two (02) years from placement of Framework Agreement (Rate Contract) Purchase Order with a provision for further extension after review on mutual consent.		
b. Framework Agreement (Rate Contract) is to be done with 3 suppliers in ratio of 45:30:25 value wise at L1 FOR Site Price (Ex-works + Freight) for this package. However, Purchase orders placed by BHEL units for a project on the basis of Rate Contract shall not be split. Details of Framework Agreement (Rate Contract)		



order splitting shall be as per following:

- GOI circular dated 18.05.2023 for Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 shall be applicable for order splitting (in the ratio of 45:30:25) and order finalization.
  - L1 Rates (Ex-works + Freight) shall be counteroffered to all techno-commercially qualified Suppliers and order splitting in ratio of 45:30:25 shall be done in line with GOI circular dated 18.05.2023 for Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.
  - In case acceptance of counteroffer is received from more than two Suppliers then acceptance shall be considered as per FINAL Reverse Auction Ranking (as applicable).
  - In case acceptance of counteroffer is received from only one Supplier then splitting shall be done in the ratio of 70:30 between L1 vendor and the supplier who accepts L1 vendor rates.
  - If none of the Supplier accepts counter-offered L1 rates, then Contract shall be awarded to L1 vendor for 100% value.
- c. Framework Agreement (Rate Contract) will be finalized on total lump sum basis instead of item wise evaluation so that the complete requirement against one project is not split amongst various Suppliers to minimize operational difficulty.

**34.** GOI circular dated 18.05.2023 for Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017 shall be applicable for order splitting and order finalization.

**35.** The quantities indicated in the tender are tentative quantities. No minimum quantity is guaranteed by BHEL.

**36.** Overall (%) quantity variation: The variation on overall package value shall be limited to +/-30% of the Contract value.

**37.** Suppliers shall Quote for the entire Scope. Partial scope is not acceptable.

**38.** Suppliers to ensure that Third party/ Customer issued certificates being submitted as proof of PQR qualification should have verifiable details of document/ certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and e - mail Id etc. Offer of only those Suppliers shall be considered further, who meets the PQR criteria. Suppliers to furnish latest verification details for checking veracity of document(s) by BHEL. In case the same found not available, Buyer has right to reject such document from evaluation. Format for the same is below: -

Sl. No.	Project Name	Customer Name, Contact Address, Phone No. & Email ID	Contract/ Order No.	Value of Contract/ Order	Brief of Work	Completion Date

**39.** Suppliers who fulfil Technical & Financial Pre-Qualification Requirement Criteria are eligible to participate in this tender. Bids of only those Suppliers shall be evaluated who meet the Technical as well as Financial Pre-Qualifying requirements.

**Note: This item/Package falls under the list of items defined in Para 3 of Ministry guideline ref no.F.20/2/214-PPD(Pt.) dated 20-09-2016 (in respect of procurement of items related to public safety, health, critical security operations and equipment's, etc.) & hence no relaxation of PQR for start-up/MSME vendors is envisaged for the NIT items/Package.**

**40.** All corrigenda, addenda, amendments, time extensions, clarifications, etc. to the tender will be hosted on BHEL website (www.bhel.com) & BHEL-PEM website (www.pem.bhel.com) and GePNIC portal. Suppliers should regularly visit websites to keep themselves updated.





**41.** If Supplier mentions Not Applicable/ Not required/ Not Quoted in BHEL price format, the same to be substantiated by the Supplier. If such item is required to be supplied for system completion in future, same will be supplied free of cost.

**42.** GeM Seller ID shall be mandatory before placement of order/award of Contract to the successful Supplier.

**43.** Supplier to quote non-zero Freight charges (anywhere in India) in percentage (%) of their quoted Total Ex-Works prices of supply.

**44.** All Suppliers to comply Govt. of India, Ministry of Power, order no-25-111612018-PG dtd 02/07/2020 regarding mandatory testing of all the imported items/equipment's/components.

**45.** Self-declarations/ Auditor's/ Accountant's Certificates submitted by the manufacturer/ supplier may be verified randomly by the committee constituted as per MoP Order 28-07-2020. In case of false documents/misrepresentation of the facts requisite action against such manufacturer/ supplier will be taken based on the recommendation of the Committee.

**46.** All Suppliers to declare that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Supplier(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 Supplier is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines.

**47.** The offers of the Suppliers who are under suspension as also the offers of the Suppliers, who engage the services of the firms debarred across BHEL, shall be rejected. The list of firms debarred across BHEL is available on BHEL web site [www.bhel.com](http://www.bhel.com).

1.0 Integrity commitment, performance of the Contract and punitive action thereof:

1.1 Commitment by BHEL: BHEL commits to take all measures necessary to prevent corruption in connection with the tender process and execution of the Contract. BHEL will during the tender process treat all Supplier(s) in a transparent and fair manner, and with equity.

1.2 Commitment by Supplier/ Supplier/ Contractor:

1.2.1 The Supplier/ supplier/ Contractor commits to take all measures to prevent corruption and will not directly or indirectly influence any decision or benefit which he is not legally entitled to nor will act or omit 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.

1.2.2 The Supplier/ supplier/ Contractor 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 and shall adhere to relevant guidelines issued from time to time by Govt. of India/ BHEL.

1.2.3 The Supplier/ supplier/ Contractor will perform/ execute the Contract as per the Contract terms & conditions and will not default without any reasonable cause, which causes loss of business/ money/ reputation, to BHEL.

If any Supplier/ supplier/ Contractor during pre-tendering/ tendering/ post tendering/ award/ execution/ post-execution stage indulges in malpractices, cheating, bribery, fraud or and other misconduct or formation of cartel so as to influence the bidding process or influence the price 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, then, action may be taken against such Supplier/ supplier/ Contractor as per extant guidelines of the company available on [www.bhel.com](http://www.bhel.com) and/or under applicable legal provisions".

**48.** A Supplier shall not have conflict of interest with other Suppliers. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The Supplier found to have a conflict of interest shall be disqualified. A Supplier may be considered to have a conflict of interest with one or more parties in this bidding process, if:

a) they have controlling partner (s) in common;' or

b) they receive or have received any direct or indirect subsidy/ financial stake from any of them; or

c) they have the same legal representative/agent for purposes of this bid; or





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 Supplier; or

e) Supplier participates in more than one bid in this bidding process. Participation by a Supplier 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

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 authorize only one agent/dealer. There can be only one bid from the following:

1. The principal manufacturer directly or through one Indian agent on his behalf; and
2. Indian/foreign agent on behalf of only one principal,'

or

g) A Supplier 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

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. Suppliers must proactively declare such sister/ common business/ management units in same/ similar line of business. "

**49.** All the above terms and conditions, post-bid agreements/MoMs (during Techno- Commercial evaluation) shall automatically become a part of the Order/Contract after its finalisation.

**50.** Suppliers to note that offers shall be submitted strictly in accordance with the requirements of tender documents. Suppliers shall upload their complete offer meeting the requirements of the tender documents on e-procurement portal <https://eprocurebhel.co.in/nicgep/app>.

Following documents need to be uploaded:

- Offer forwarding/ covering letter with Un-price bid, Deviation Sheet (Cost of Withdrawal)
- Documents required for meeting Technical PQRs (Part of Tech. Spec.)
- Documents required for meeting Financial PQR
- NTPC Main Contractor's Proposal Cum Evaluation Report
- NTPC Sub Vendor Questionnaire
- Bank Guarantee Format
- Local Content Certificate in line with Make in India circular
- Land Border Certificate
- Integrity Pact
- Details of the company in prescribed format
- Price Bid on e-procurement portal - <https://eprocurebhel.co.in/nicgep/app>

**51.** It shall be the responsibility of the Supplier to ensure that the tender complete in all respects is uploaded on or before the due date and time. Incomplete/late offers shall not be considered.

All other correspondence thereof shall be addressed to the undersigned by name & designation and sent at the following address:

**Kumar Suman Saurabh/ Mgr-CMM**  
**M/s Bharat Heavy Electricals Ltd.,**  
Project Engineering Management,  
Power Project Engineering Institute,  
HRD & ESI Complex,  
Plot No 25, Sector-16 A, Noida-201301  
E-mail: [sumansaurabh@bhel.in](mailto:sumansaurabh@bhel.in)

**Manish Kumar Sinha / Sr. Manager-CMM**  
**M/s Bharat Heavy Electricals Ltd.,**  
Project Engineering Management,  
Power Project Engineering Institute,  
HRD & ESI Complex,  
Plot No 25, Sector-16 A, Noida-201301  
E-mail: [manish.sinha@bhel.in](mailto:manish.sinha@bhel.in)



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(A GOVT. OF INDIA UNDERTAKING) (भारत सरकार का उपक्रम)  
**PROJECT ENGINEERING MANAGEMENT** परियोजना अभियांत्रिकी प्रबंधन

Contact No.: 9718771765

Contact No.: 0120-6748120

**52. Terms & Conditions:** - The Terms & Conditions shall be as per enclosed Special Conditions of the Contract (copy enclosed), GCC Rev. 07 and Corrigendum 01 & 02 to GCC Rev. 07 which is available on [www.pem.bhel.com](http://www.pem.bhel.com) and other Terms and Conditions included in this Enquiry Letter.

**53.** All other terms and conditions shall be as per Special Conditions of Framework Agreement (Rate Contract), and GCC Rev 07 & Corrigenda-01 and Corrigenda-02 to GCC Rev 07.

In the event of any contradiction in the terms and conditions mentioned, the order of preference shall be as mentioned in clause no. 36 of GCTC of GCC Rev 07.

**54. Schedule of Pre-Bid discussion**

Date of Meeting: 17.03.2024, Time :15:00 hrs.

Place: Bharat Heavy Electricals Limited, Power Sector - Project Engineering Management, 3rd Floor, BHEL Sadan, Plot No.25, Sector-16A, Noida-201301, Uttar Pradesh, India

Interested bidders are requested to confirm their participation for Pre-Bid Discussion (PBD) meeting either by physical meeting at above mentioned place or through Video Conferencing (VC) on 17.12.2024.

VC Link is given below:

Through: Microsoft Teams

Meeting ID: 448 176 101 400

Passcode: Uc3FV3bc


Note - In case you are not making an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date

Thanking You.

For and on behalf of BHEL

Kumar Suman Saurabh

Manager/ CMM/ PEM Noida

	<b>TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM - BOLTABLE</b>	Specification No.: PE-TS-999-507-E013
		Rev. No. 00
		Date : 27.01.2025

## **RATE CONTRACT**

### **TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM -BOLTABLE**

**SPECIFICATION No. PE-TS-999-507-E013**



**BHARAT HEAVY ELECTRICALS LIMITED  
POWER SECTOR  
PROJECT ENGINEERING MANAGEMENT DIVISION  
NOIDA, INDIA**

	<b>TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM - BOLTABLE</b>	Specification No.: PE-TS-999-507-E013
		Rev. No. 00
		Date : 27.01.2025

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	<b>TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM - BOLTABLE</b>	<b>Specification No.: PE-TS-999-507-E013</b>
		<b>Rev. No. 00</b>
		<b>Date : 27.01.2025</b>


### SCOPE

1) This specification covers the Design, Manufacture, Inspection and Testing at Manufacturer's works, proper packing and delivery to site of CABLE TRAY SUPPORT SYSTEM -BOLTABLE

	<b>TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM -BOLTABLE</b>	<b>Specification No.: PE-TS-999-507-E013</b>
		<b>Rev. No. 00</b>
		<b>Date :27.01.2025</b>

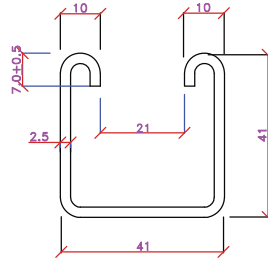
**SPECIFICATION & DATA SHEET**

SL NO	PARAMETERS	REQUIREMENT
1	DESIGN STANDARD	a) IS: 2062 Hot rolled medium and high Tensile structural steel- specification b) IS: 513 For cold rolled low carbon steel sheet & strips c) IS: 1730 For dimensions for steel sheet and strip d) IS: 1363 Hexagon head bolts, screws and nuts. e) IS:2629 Recommended practice for hot dip galvanizing on iron and steel f) IS:4759 Specification for hot dip zinc coatings on structural steel and allied products g) IS:6745 Methods for determination of mass of zinc coating on zinc coated iron and steel articles h) IS: 2633 Method for testing uniformity of coating on zinc coated articles i) IS: 1852 For Rolling & cutting tolerances of hot rolled steel products j) IS : 1079 for Hot rolled carbon steel sheet & strips (latest revision/year of issue of the standard to be followed.)
2	Material	Hot/ Cold Rolled Mild Steel
3	Construction	Conforming to enclosed drg. [PE-DG-999-507-E013]
4	Min. Weight of zinc coating	610 gm/sq.m.
5	Thickness of zinc coating	Avg 86 micron and minimum 75 micron
6	Straight lengths of items	a) For channels 6 meters b) For items other than channels as per BOQ cum price schedule
7	PACKING	a) The material shall be packed to ensure protection against damage during transit, storage for prolonged periods and handling. b) items Channels/Cantilever arm etc may be supplied in open condition. However, while stacking the materials for transportation it should be ensured that, similar items are grouped and tied with steel wires / strips for convenient handling and shall be done in such away to avoid damage during transits. c) The following details shall be marked on the packing/each stack: i) Name and address of the consignee ii) Purchase Order No: iii) Name of supplier iv) Description of material v) Quantity of items vi) Gross weight
8	SOURCE OF STEEL & ZINC	The supplier to ensure procurement of steel from main producers like SAIL / TISCO / RINL / ISPAT IND./ JINDAL /ESSAR / LLOYDs / IISCO and Zinc from Hindustan Zinc Limited.

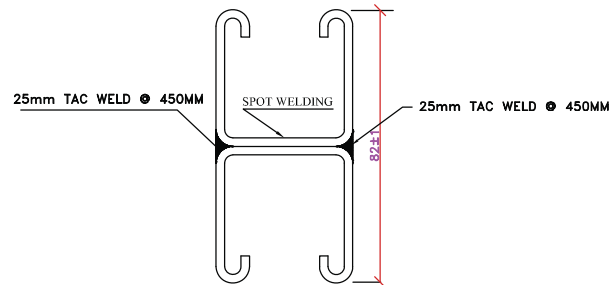
	<b>TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM - BOLTABLE</b>	<b>Specification No.: PE-TS-999-507-E013</b>
		<b>Rev. No. 00</b>
		<b>Date : 27.01.2025</b>

#### GENERAL NOTES

<p>1. Cable tray support system (Boltable Type) shall be of proven type &amp; type tested design conforming to type tests as per attached Annexure-2</p>
<p>2. Bidder shall furnish Type Test Certificate of specified Type Test as per specification/standard which has been conducted within last 10 years from 15/07/2024 , i.e. from 16/07/2014 to 15/07/2024. These reports should be for the tests conducted on cable tray support (boltable) identical in all respects to those proposed to be supplied under this contract and test(s) should have been either conducted at an independent laboratory or should have been witnessed by a client.</p> <p>In absence of valid Type Test report vendor to conduct the same without any commercial &amp; delivery implication to BHEL. Type test conduction shall be as per SPECIFICATION REQUIREMENT/STANDARD.</p>
<p>3. Bidder shall confirm compliance with the Quality Plan attached with the specification without any deviations. At contract stage, the Quality Plan as enclosed in the technical specification is to be appended with cover sheet bearing document number and description. The signed and stamped copy of the same shall be submitted to BHEL without making any changes in the contents of the document. There shall be no commercial implication to BHEL on account of minor changes in QP during contract stage.</p>



SINGLE CHANNEL SC1



DOUBLE CHANNEL DC1

TWO LENGTHS OF SINGLE CHANNEL

SPOT WELDED BACK TO BACK

NOTE:

AT 75MM C/C

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL : 2.5MM THICK HOT/ COLD ROLLED M.S. AS PER IS:1079.
3. FINISH : HOT DIP GALVANISED AS PER IS 2629
4. TOLERANCE ON THICKNESS IS AS PER IS 1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.



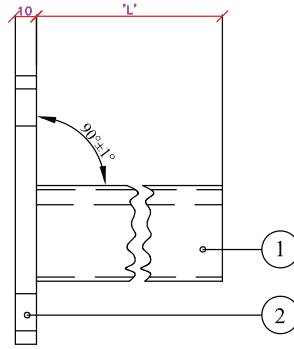
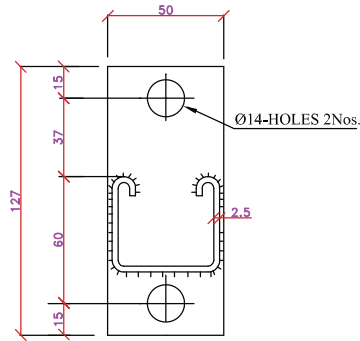
**TITLE: TYPICAL INSTALLATION DETAILS  
FOR CABLE TRAY SUPPORT  
SYSTEM**

BHEL DRWG NO: PE-DG-999-507-E006

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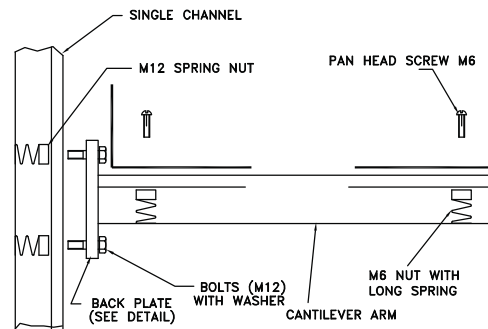
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**CANTILEVER ARMS**

TRAY WIDTH IN MM	CANTILEVER ARM LENGTH (L) IN MM
150	170 (FOR OVERHEAD TRAYS)
300	320 (FOR OVERHEAD TRAYS)
600	620 (FOR OVERHEAD TRAYS)
600	750 (FOR TRENCH)



**TYPICAL ASSEMBLY OF CHANNEL  
SUPPORTS AND CABLE TRAY**

**M12 HEX BOLT & WASHER-2Nos.**  
**M12 SPRING NUTS-2Nos.**  
**M6 PAN HEAD SCREWS & WASHER-2Nos.**  
**M6 SPRING NUTS-2Nos.**

**NOTES :**

1. ALL DIMENSIONS ARE IN mm.
2. ITEM NO.1 MATERIAL : HOT/ COLD ROLLED M.S. AS PER RELEVANT IS.
3. ITEM NO.2 MATERIAL : M.S AS PER IS-2062
4. FINISH : HOT DIP GALVANISED AS PER IS:2629
5. TOLERANCE ON THICKNESS IS AS PER IS:1852
6. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
7. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.

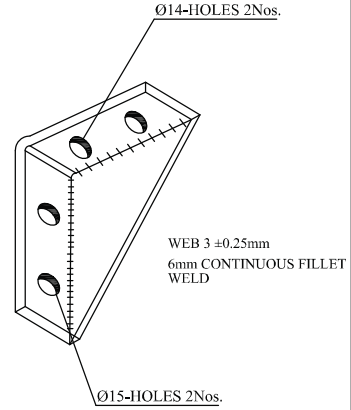
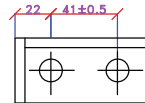
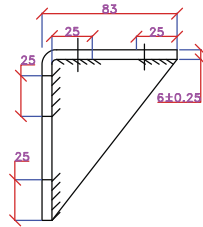
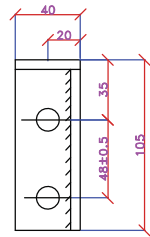


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### 90 ANGLE FITTING HL1 (HEAVY DUTY TYPE)

**ANCHOR FASTENER-2Nos.**  
**M12 BOLT, SPRING NUT & WASHER ASSEMBLY -2Nos.**

#### NOTES :

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL :MILD STEEL AS PER IS-2062
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS AS PER IS:1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.

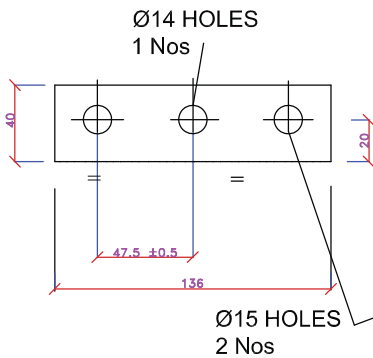
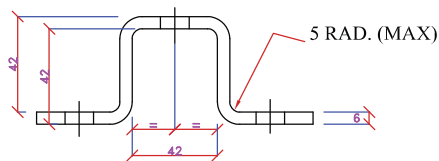
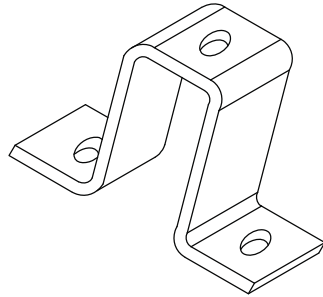
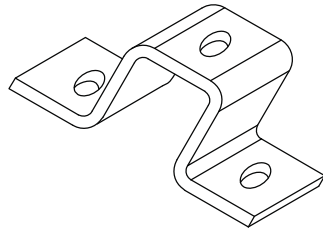


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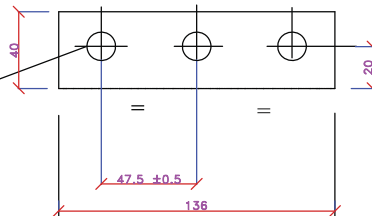
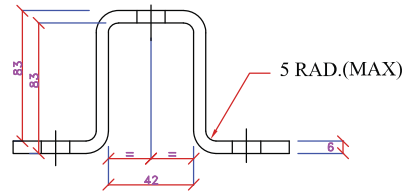
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**CLAMP FOR SINGLE CHANNEL CC1**



**CLAMP FOR DOUBLE CHANNEL CC2**

#### NOTES

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL :MILD STEEL AS PER IS-2062
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS AS PER IS:1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.

**ANCHOR FASTENER-2Nos.  
M12 BOLT, SPRING NUT & WASHER  
ASSEMBLY-1No'S**



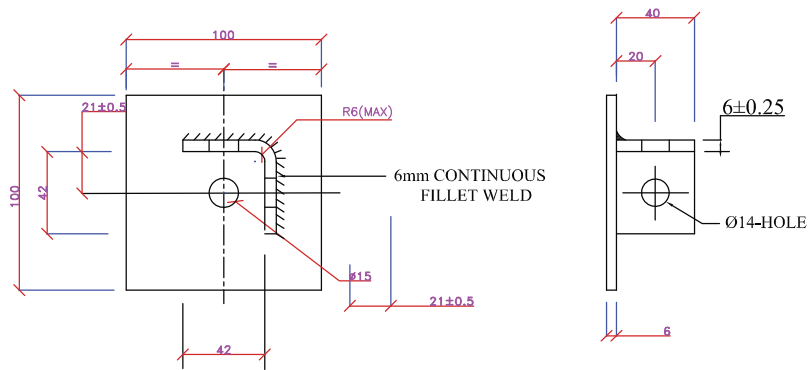
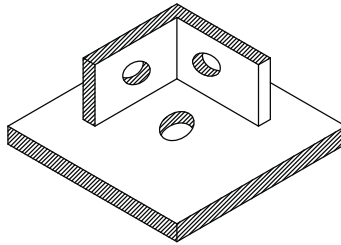
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**BASE PLATE FOR SINGLE CHANNEL BP1**

**NOTE**

**ANCHOR FASTENER-1NO.  
M12 BOLT, SPRING NUT & WASHER ASSEMBLY -1NO.**

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL :MILD STEEL AS PER IS-2062
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS AS PER IS:1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.



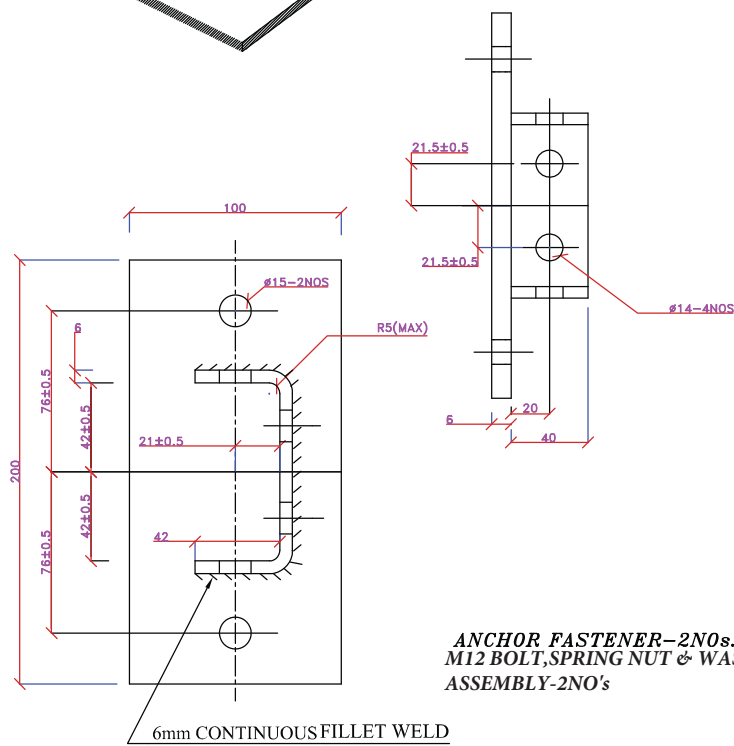
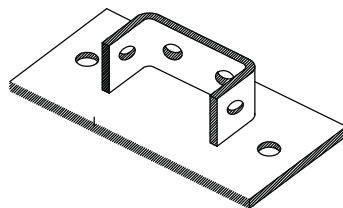
**TITLE: TYPICAL INSTALLATION DETAILS  
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**ANCHOR FASTENER-2NOS.  
M12 BOLT, SPRING NUT & WASHER  
ASSEMBLY-2NO's**

### **BASE PLATE FOR DOUBLE CHANNEL BP2**

#### **NOTE**

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL :MILD STEEL AS PER IS-2062
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS AS PER IS:1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.

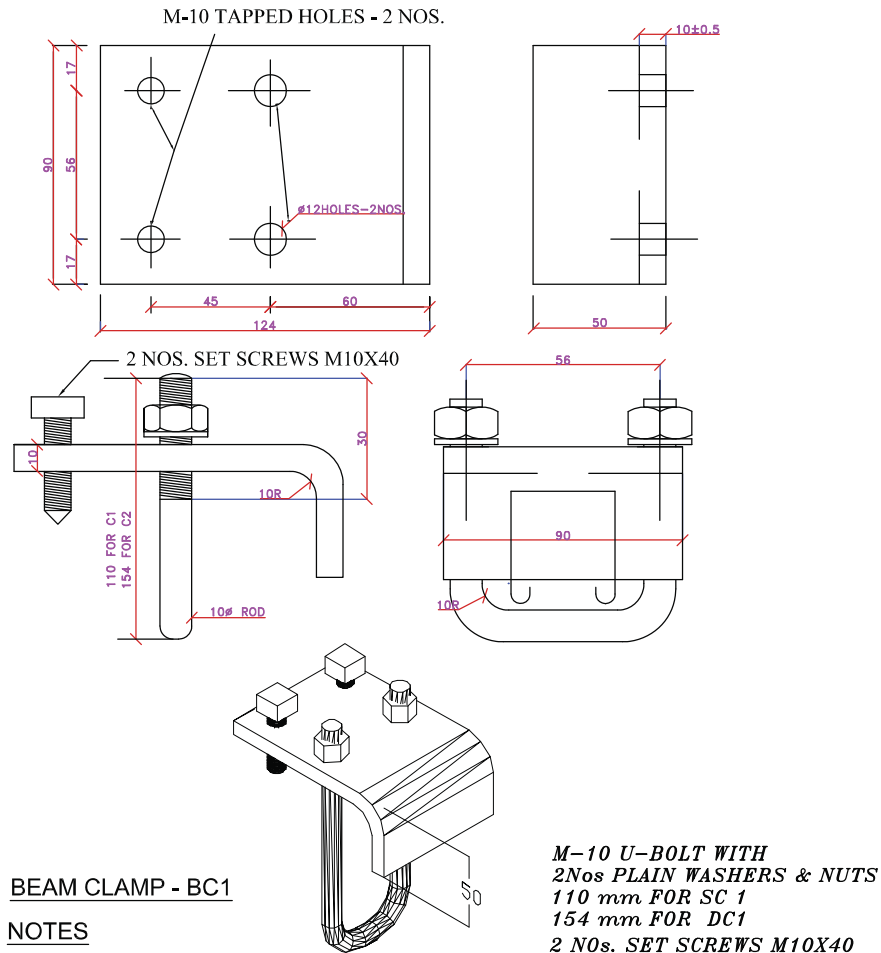


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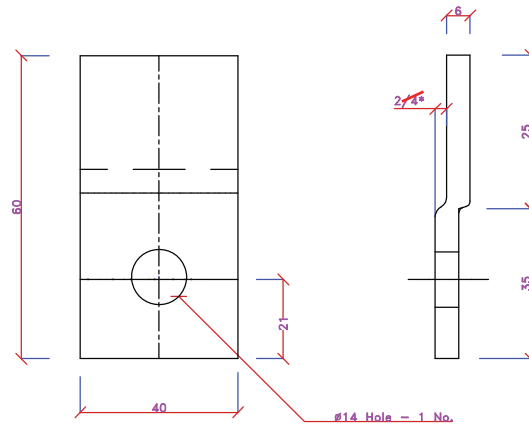
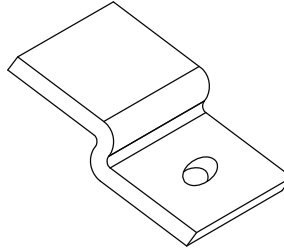


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### TRAY FIXING CLAMP - TC1

#### NOTES

**M12 BOLT, SPRING NUT & WASHER ASSEMBLY - 1NO.**

**\* :- 2MM FOR TRAY FIXING CLAMP TC1**

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL : MILD STEEL AS PER IS-2062
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS AS PER IS:1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.

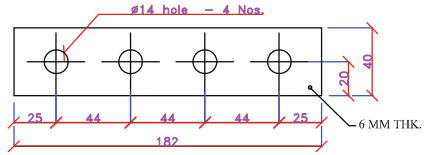


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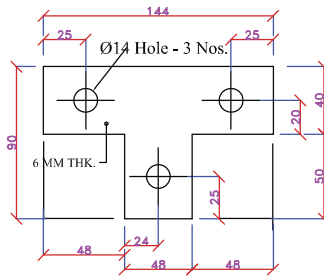
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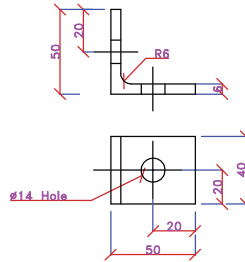
**M12 BOLT, SPRING NUT & WASHER ASSEMBLY-4Nos.**

**FLAT PLATE STRAIGHT FITTING PF2**



**M12 BOLT, SPRING NUT & WASHER ASSEMBLY-3 Nos**

**FLAT PLATE TEE FITTING PF1**



**M12 BOLT, SPRING NUT & WASHER ASSEMBLY-2Nos**

**90° ANGLE FITTING LA1**

**NOTES**

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL :MILD STEEL AS PER IS-2062
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS AS PER IS:1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.

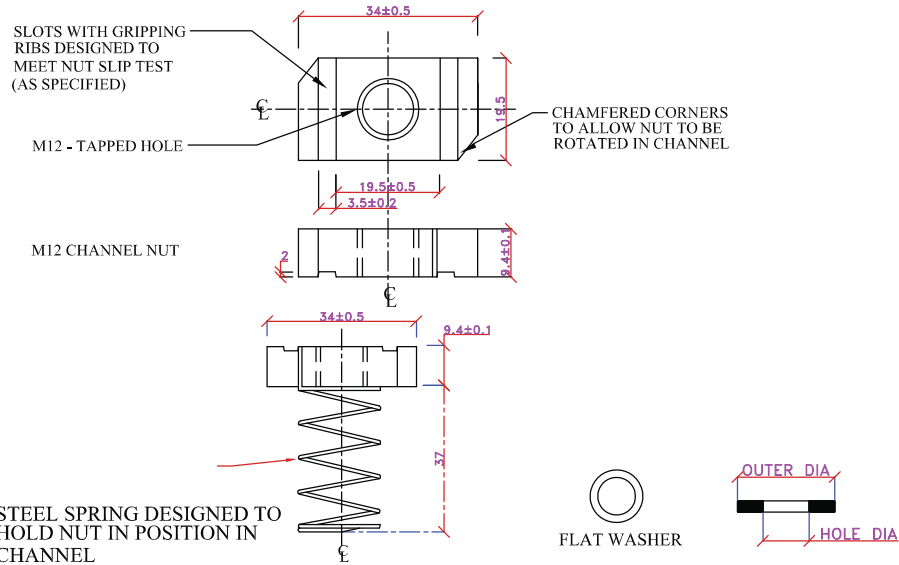


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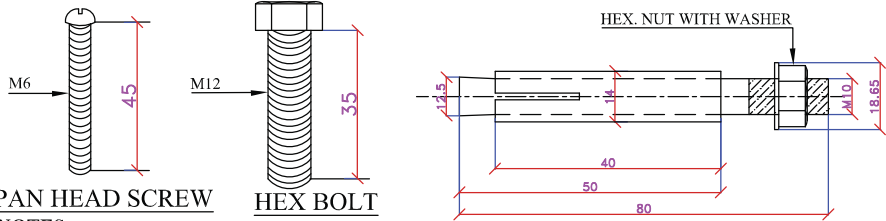
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### SPRING NUT ASSEMBLY

#### WASHER SIZE DETAILS

Sl.No.	BOLT/SCREW SIZE	HOLE DIA (IN MM)	OUTER DIA (IN MM)	WASHER THICKNESS (IN MM)
1	M6 PAN HEAD SCREW	6.4	12	1.6
2	M12 HEXA BOLT	13	24	2.5



### PAN HEAD SCREW

### NOTES:

1. MATERIAL - MS AS PER IS - 2062.
2. M6 CHANNEL NUT DIMENSIONAL SIMILAR TO M12. EXCEPT HOLE DRILLED AND TAPPED TO M6 PAN HEAD SCREWS.
3. TAPPED HOLE THREADING TO MATCH WITH THREADING OF BOLTS.
4. SURFACE PROTECTION ELECTROGALVANISED / CADMIUM PLATED.
5. ALL DIMENSIONS ARE IN MM.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.

### ANCHOR BOLT M10

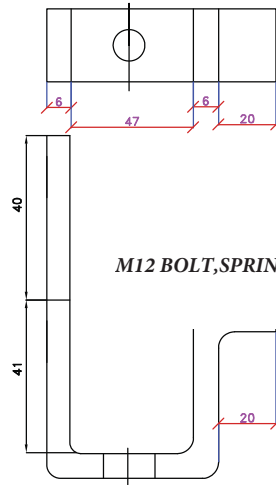


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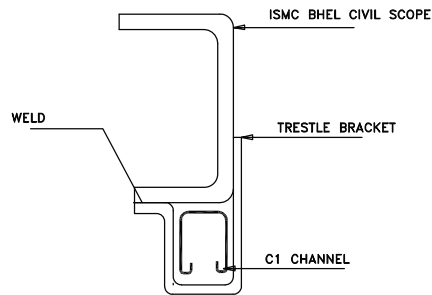
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**M12 BOLT, SPRING NUT & WASHER ASSEMBLY-1 SET**

### TRESTLE BRACKET



### FIXING ARRANGMENT OF TRESTLE BRACKET

#### NOTES

1. ALL DIMENSIONS ARE IN mm.
2. MATERIAL :MILD STEEL AS PER IS-2062
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS AS PER IS:1852
5. ALL FABRICATION TOLERANCE AS PER RELEVANT IS.
6. ZINC COATING SHALL BE MIN. 75 MICRONS/ 610 G/SQ. M.



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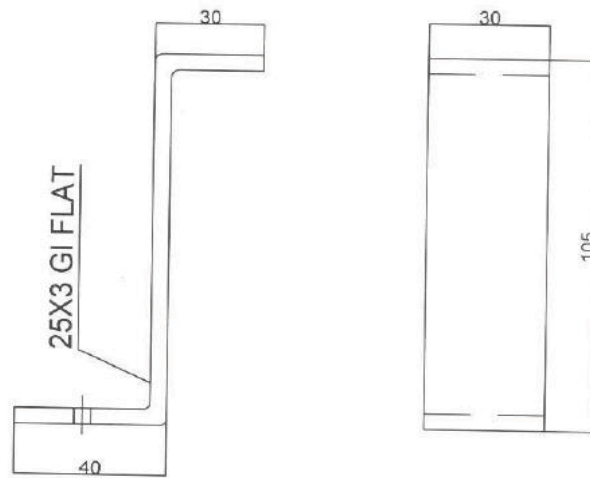
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### TRAY HOLDING CLAMP TYPE-1



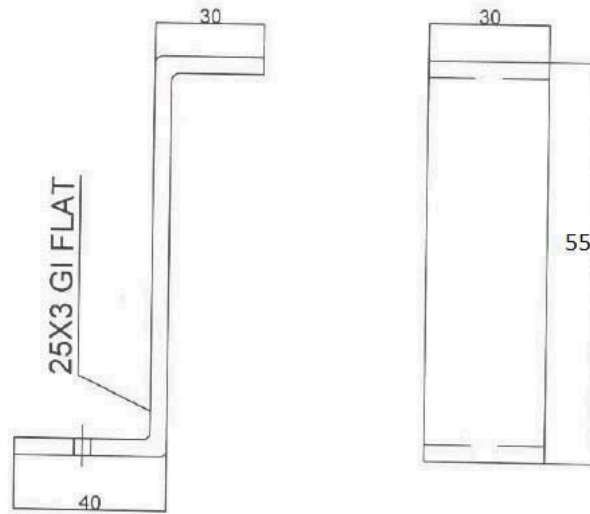
M12 BOLT, SPRING NUT & WASHER ASSEMBLY-1SET

### TRAY HOLDING CLAMP SUITABLE FOR FIXING CABLE TRAY

#### NOTE :

1. ALL DIMENSIONS ARE IN MM.
2. MATERIAL : M.S AS PER IS:2062 GR. 'A'.
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS IS AS PER IS:1852
5. ALL FABRICATION TOLERANCES ARE  $\pm 1.0$  MM.
6. ZINC COATING SHALL BE MIN - 75 MICRONS 610 G/SQ.M

## TRAY HOLDING CLAMP TYPE-2



*M12 BOLT, SPRING NUT & WASHER ASSEMBLY-1SET*

### TRAY HOLDING CLAMP SUITABLE FOR FIXING CABLE TRAY

#### **NOTE :**

1. ALL DIMENSIONS ARE IN MM.
2. MATERIAL : M.S AS PER IS:2062 GR. 'A'.
3. FINISH : HOT DIP GALVANISED AS PER IS:2629
4. TOLERANCE ON THICKNESS IS AS PER IS:1852
5. ALL FABRICATION TOLERANCES ARE  $\pm 1.0$  MM.
6. ZINC COATING SHALL BE MIN - 75 MICRONS 610 G/SQ.M

ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.): <b>मद (सामग्री, वर्ग, ग्रेड, रैंटिंग, रेंज, आकार आदि): GALVANIZED FLEXIBLE CABLE TRAYS SUPPORT SYSTEM</b>		STANDARD QUALITY PLAN स्टैण्डर्ड क्वालिटी प्लान				QP NO / क्यूपी सं.:	0000-999-QOE- S-038	REVIEWED BY: द्वारा समीक्षा की गई:	APPROVED BY: द्वारा अनुमोदित:			
SL. NO क्र.सं.	COMPONENT & OPERATIONS अवयव व संचालन	CHARACTERISTICS / विशेषताएं	CLASS वर्ग	TYPE OF CHECK जांच के प्रकार	QUANTUM OF CHECK जांच के परिमाण		REFERENCE DOCUMENT संदर्भ दस्तावेज#	ACCEPTANCE NORMS/ स्वीकृत मानदंड	FORMAT OF RECORD/ रिकॉर्ड का प्रारूप	AGENCY/ एजेंसी		REMARKS/टिप्पणियां
					M एम	C/N सी/एन						
			CONFORMING TO CODE: कोड के अनुरूप: IS/IEC/NTPC TECHNICAL SPECIFICATION				REV NO / संशोधित सं.:		S.N. TRIPATHI		S. S. MISHRA	
			DATE/ तिथि		30.08.2022							
			PAGE// पृष्ठ		Page 1 of 2		S.K. LAL					
1.	2.	3.	4.	5.	6.	7.	8.	9.	D*	** 10	11	

1.	Flexible Cable Trays	1.In Black condition a)Weld Quality b)Burs	Major	Visual	100%	Random	Manufacturer's Plant Std	Manufacturer's Plant Std.	Inspection Report	P	V	V	
			Major	Visual	Random	-	No Burs	No Burs	-do-	P	-	-	
2.	Finished Galvanised	2. After Galvanising											
		2.1 General Physical Inspection including galvanizing Quality/ Defects, Dicromating, White Rusting etc.	Major	Visual	100%	5 Sample/ lot	IS-2629-1985 IS-4759-1996	IS-2629-1985 IS-4759-1996	-do-	P	W	W	
		2.2 Dimensional check & thickness check	Major	Measurement	-do-	-do-	NTPC/Main Supplier Approved Drg.	NTPC/Main Supplier Approved Drg.	-do-	P	W	W	
		2.3 Galvanising Tests											
		a)Coating thickness measurement survey by Elcometer	Critical	Measurement	IS-4759-1996	-do-	IS-4759-1996 IS-3203-1982	IS-4759-1996 IS-3203-1982	-do-	P	W	W	
		b)Mass of zinc coating	Critical	Measurement	-do-	1 Coupon sample of each thickness	IS-6745-1972 IS-4759-1996	IS-6745-1972 IS-4759-1996	-do-	P	W	W	
		c) Uniformity of zinc coating/dip test	Critical	Measurement	-do-	-do-	IS-2633-1986 IS-4759-1996	IS-2633-1986 IS-4759-1996	-do-	P	W	W	

**LEGEND:/ संकेतिका:** \* RECORDS, IDENTIFIED WITH "TICK" (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION./ \* "टिक" (✓) के साथ प्रमाणित रिकॉर्ड, क्यूए दस्तावेजीकरण में आपूर्तिकर्ता द्वारा अनिवार्य रूप से शामिल किया जाएगा।

\*\* M: MANUFACTURER / SUB-SUPPLIER /निर्माता / उप-आपूर्तिकर्ता C: MAIN CONTRACTOR / मुख्य संविदाकार, N: NTPC/ एनटीपीसी P: PERFORM/ निष्पादन W: WITNESS/ गवाह AND V: VERIFICATION. AS APPROPRIATE/ सत्यापन (जैसा उपयुक्त हो). CHP/ सीएचपी: NTPC SHALL IDENTIFY IN COLUMN "N" AS "W". एनटीपीसी खंड "N" में "W" के रूप में करेगा।

**FORMAT NO.: QS-01-QAI-P-10/F3-R1**  
प्रारूप सं.

ITEM (MATERIAL, CLASS, GRADE, RATING, RANGE, SIZE ETC.): <b>मद (सामग्री, वर्ग, ग्रेड, रेटिंग, रेंज, आकार आदि): GALVANIZED FLEXIBLE CABLE TRAYS SUPPORT SYSTEM</b>		STANDARD QUALITY PLAN स्टैंडर्ड क्वालिटी प्लान				QP NO / क्यूपी सं.:	0000-999-QOE- S-038	REVIEWED BY: द्वारा समीक्षा की गई:	APPROVED BY: द्वारा अनुमोदित:		
SL. NO क्र.सं.	COMPONENT & OPERATIONS अवयव व संचालन	CHARACTERISTICS / विशेषताएं	CLASS वर्ग	TYPE OF CHECK जांच के प्रकार	QUANTUM OF CHECK जांच के परिमाण		REFERENCE DOCUMENT संदर्भ दस्तावेज#	ACCEPTANCE NORMS/ स्वीकृत मानदंड	FORMAT OF RECORD/ रिकॉर्ड का प्रारूप	AGENCY/ एजेंसी	REMARKS/टिप्पणियां
					M एम	C/N सी/एन					
1.	2.	3.	4.	5.	6.	7.	8.	9.	D*	** 10	11
		d)Adhesion Test	Critical	Visual	-do-	-do-	IS-2629-1985	IS-2629-1985	-do-	P W W	
		Proof Load Test as per Note 6 Followed by Die Penetration Test (for 600mm and above cable tray support system)	A	Meas/Visua I	One Sample from each offered lot	One Sample from each offered lot	NTPC Technical Specification/No visible cracks should develop on the weld part	NTPC Technical Specification/No visible cracks should develop on the weld part	Inspection Report	P W W	
3.		Type Test clearance from NTPC Engineering to be reviewed during Final Inspection								- -	V

Note:

- The supplier to ensure procurement of steel from main producers like SAIL/TISCO, Rastriya Ispat/Ispat Ind. Jindal/Esser/Lloyds/IIS Co. and Zinc from Hindustan Zinc Ltd.,
- Welding shall be done by qualified welders as per supplier system.
- Material shall be galvanized at NTPC approved sources only.
- Pre-treatment of cable trays support system shall be carried out in seven tank process as per IS-2629. All the process parameters e.g. Concentration, temperature, density etc. to be maintain and recorded by the galvanizer.
- The process of pre-treatment shall be verified by NTPC on surveillance basis during inspection of Galvanised Flexible Cable Trays support system.
- (i) Test on Main support channel shall be done if only CI channel are in scope of supply and cantilever arms shall be fitted on one side. This test shall be same as test 4 of type test as per tech spec.  
(ii) Test on Main Support Channel shall be done with C2 Chanel and cantilever arms fitted on both sides, if C2 channels are in scope of supply. This test shall be same as test 2 A of type tests. Then test at (i) above shall not be repeated.  
(iii) Nut slip characteristic test (it shall support minimum load of 350 kg. Before nut Slips with bolt torque of 65NM). This test shall be same as test 5 B of type tests.
- The procedure for carrying out above test shall be as per details given in Type Tests Specification.  
Type Test clearance from NTPC Engineering to be reviewed during final inspection.

LEGEND:/ संकेतिका: \* RECORDS, IDENTIFIED WITH "TICK" (✓) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION./ \* "टिक" (✓) के साथ प्रमाणित रिकॉर्ड, क्यूए दस्तावेजीकरण में आपूर्तिकर्ता द्वारा अनिवार्य रूप से शामिल किया जाएगा।

\*\* M: MANUFACTURER / SUB-SUPPLIER /निर्माता / उप-आपूर्तिकर्ता C: MAIN CONTRACTOR / मुख्य संविदाकार, N: NTPC/ एनटीपीसी P: PERFORM/ निष्पादन W: WITNESS/ गवाह AND V: VERIFICATION. AS APPROPRIATE/ सत्यापन (जैसा उपयुक्त हो). CHP/ सीएचपी: NTPC SHALL IDENTIFY IN COLUMN "N" AS "W". एनटीपीसी खंड "N" में "W" के रूप में करेगा।

FORMAT NO.: QS-01-QAI-P-10/F3-R1

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ENGG. DIV./QA&I

आपूर्तिकर्ता द्वारा अनिवार्य रूप से शामिल किया जाएगा। अभि. प्रमाण/क्यूए व आई

## ANNEXURE TO QUALITY PLAN


### INSTRUCTIONS FOR QUALITY PLAN

The Quality Plan shall include all the Quality Control Measures and Checks adopted by the Vendor to ensure that the material/component/assembly/services supplied by him meet/will meet the requirements as per specifications and good practices. They shall include all stages of operation such as materials, processes, manufacture, assembly, packing and despatch. The following guide lines may be noted:

- Column 1- Serial Number
- Column 2- Component/Operation- The component and/or operation being checked shall be given here.
- Column 3- Characteristics check- The characteristics being checked shall be given here, e.g., chemical composition, mechanical properties, leak tightness, surface defects etc..
- Column 4- Category -'CR' stands for critical characteristic - affecting safety of equipment and personnel  
 'MA' stands for major Characteristic - affecting safety of equipment and personnel  
 'MI' stands for minor characteristic - affecting appearance etc.
- Column 5- Type/Method of check e.g. chemical analysis tensile testing, hydraulic test, visual examination radiography etc.
- Column 6- Extent of check, such as, 100, 10, 1 percent etc.
- Column 7- Reference Documents - Documents, such as technical specification, drawings, standard specifications (IS, BS ETC.) procedure, etc. according to which check is done.
- Column 8- Acceptance Norms - Standards etc. according to which acceptability or otherwise of the characteristics being checked is decided.
- Column 9- Format of Record - Formats, log sheets, reports, etc. in which the observations are recorded, Standard log sheets, reports, formats etc. of the Vendors shall be numbered and such reference numbers shall be included here.
- Column 10- Agency - The agency which performs the test/instruction shall be written in sub-column 'W'  
 The agency which verifies test certificates/inspection records and carries out audit check of the components/operation shall be written in sub-column 'V'
- The agencies are codified as 1,2 & 3
- '1' stands for (BHEL)
- '1' \* means the operation shall be cleared by BHEL before the start of the next operation.
- '2' Stands for Vendor
- '3' stands for sub-Vendor of the Vendor and so on.
- Example :
- Entry '3' in column 'P' means test./inspection to be performed by sub-Vendor's QC
- Entry '2' in column 'W' means test./inspection to be witnessed by Vendor's QC
- Entry '1' in column 'V' means verification shall be done by BHEL and next stage to be started only after the hold point is cleared by BHEL
- Column 11- Remarks - Any special remarks shall be given here.

#### NOTES :

- In absence of correlation with the test certificate(s) (e.g. material identification) samples shall be drawn by BHEL and all tests as per relevant specifications shall be carried out in their presence or in recognized Government Laboratory.
- When materials and components are initially identified and stamped by BHEL QS engineer, the identification marks shall be preserved till despatch. Wherever this is not possible, the identification mark shall be transferred to the components in the presence of BHEL QS Engineer unless otherwise agreed.
- For castings and forgings integral test specimens shall be provided, When this is not possible for casting, they shall be poured in the presence of BHEL QS Engineer unless otherwise, if witnessing of test by BHEL is called for.
- When welders qualified by reputed inspection agencies or statutory bodies are not available, qualification tests shall be conducted in the presence of BHEL QS Engineer.
- This Quality Plan is liable to be modified as per the requirements of approved drawings and changes in technical specifications/drawings. If there are contradictions in respect of column 7 & 8 between this Quality Plan and the approved drawings specifications, the latter shall prevail.
- Wherever inspection by BHELs Purchaser/Third Party/Statutory authorities are mandatory, this shall be complied with.
- Inspection reports, log sheets, test reports/certificate. etc. shall be furnished to BHEL at the appropriate stages or at the time of final inspection, as required.
- This Quality Plan is also applicable to spares, if any, under scope of supply of Vendor.
- The quality plan shall be submitted in minimum 4 copies with a soft copy of the same or in line with contract requirements.

	<b>TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM - BOLTABLE</b>	Specification No.: PE-TS-999-507-E013
		Rev. No. 00
		Date : 27.01.2025
	<b>Annexure-A of Quality plan</b>	
<b>List of NTPC approved Galvanizers</b>		


S.N.	vendor name
1	M/s Sigma Galvanising Pvt. Ltd., Mumbai
2	M/s B.P. Projects , Kolkata
3	M/s Shivam Engineers & Fabricators , Ghaziabad
4	M/s B.G. Shirke, Pune
5	M/s Neha Galvaniser,Kolkata
6	M/s Ratan Projects & Engineering Co. Pvt. Ltd.,Howrah
7	M/s M J Engg,Delhi
8	M/s A.V. Engg, Kolkata
9	M/s Inar Profiles, Vishakapatnam
10	M/s Anand Udyog, Mumbai
11	M/s Techno Engg,Chandigarh
12	M/S Steelite Engg, Mumbai
13	M/s National Galvanizer, Kolkata
14	M/s Unistar Galvanizer, Kolkata
15	M/s Bajaj Pune
16	M/s Electrocure Industries, Mumbai
17	M/s Gurpreet Galvanizer, Hyderabad
18	M/s Radhakrishnan Shetty, Chennai
19	M/s Karamtara, Mumbai
20	M/s Poona Galvanizers, Pune
21	M/s Unitech Fabricators & Galvanizers- Hoogly

NOTES:
1. ANY CHANGE IN THE ABOVE LIST SHALL BE INFORMED AT THE TIME OF SPECIFIC PROJECT REQUIREMENT AND NO COMMERCIAL IMPLICATION SHALL BE ALLOWED ON THIS ACCOUNT.
2. IT SHALL BE THE RESPONSIBILITY OF THE VENDOR TO GET THE MATERIAL GALVANIZED FROM THE ABOVE LIST OR APART FROM GALVANIZERS AS MENTIONED ABOVE , VENDOR MAY PROPOSE HIS OWN GALVANIZER WHICH SHALL BE SUBJECT TO NTPC/BHEL APPROVAL. IN CASE OF NON APPROVAL OF VENDOR PROPOSED GALVANIZER , GALVANIZATION SHALL BE DONE FORM LIST OF GALVANIZER AS MENTIONED ABOVE WITHOUT ANY TECHNO-COMMERCIAL IMPLICATION TO BHEL.



## ANNEXURE-2

### TYPICAL DETAILS OF TYPE TEST PROCEDURE/ TEST ARRANGEMENT

REVISIONS								
		NAME	DATE					
TITLE:				TYPICAL DETAILS OF TYPE TEST ARRANGEMENT		DRAWN	NAME	DATE
						DSGN		
DRG. NO.				PE-DG-999-507-E114		CHKD		
						APPD		
				BHARAT HEAVY ELECTRICALS LTD. PROJECT ENGINEERING MANAGEMENT NOIDA				
				SH 1 OF 10				

## **TYPE TEST PROCEDURE FOR CABLE TRAY SUPPORT SYSTEM [BOLTABLE TYPE]**

### **1.0 Type tests on Support System for Cable Trays**

#### **1.1 TEST 1 A**

On main support channel type-DC1 for cantilever arms fixed on one side only. A 3.5 metre length of main support channel shall be fixed vertically at each end to a rigid structure as per the fixing arrangement as shown in the enclosed drawing PE-DG-999-507-E114 (Sheet 05 of 10). Eight (8) nos. 750/650 mm cantilever arms shall be fixed to the main channel and arm 1 & 2 of shall be uniformly loaded to a working load of 100 kg over the outboard 600mm. Subsequently a point load of 100 kg shall be applied on arm 2. A uniform proof load on all the arms equal to twice the working load shall be then be applied. Deflections shall be measured at the points shown in the enclosed drawings and at the following load intervals:

- i) Working load
- ii) Working load + point load
- iii) Off load
- iv) Proof load + point load
- v) Off load

The deflection measured at working loads shall not exceed 16mm. The permanent deflection after removing the combination of working load and point load shall not exceed 10 mm at the arm tips and 6 mm on the channel. No collapse of the structure shall occur with a combination of proof load and point load applied.

#### **1.2 TEST 1 B**

Test 1 A shall be repeated with Eight Cantilever arms uniformly loaded and with the same point load on arm 2.

### **2.0 TEST 2**

**On Main support channel type – DC1 for cantilever arms fixed on both sides**

#### **2.1 TEST 2 A**

A 3.5 m length of main support channel DC1 for cantilever arms fixing on both sides shall be fixed at each end to rigid structure as per the fixing arrangement as shown in the enclosed drawing PE-DG-999-507-E114(Sheet 06 of 10). Six (6) nos. 750/650 mm cantilever arms shall be attached to each sides and each arm uniformly loaded to a working load of 100 kg over the outboard 600 mm. A point load of 100 kg shall then be applied to arm 2, followed by a uniform proof load of twice the working load on all the arms, deflection shall be measured at points shown in the enclosed drawings at the following load intervals.

- i) Working load
- ii) Working load + point load
- iii) Offload
- iv) Proof load + point load
- v) Offload

The deflection measured at working loads shall not exceed 16mm. The permanent deflection after removing the combination of working load and point load shall not exceed 10 mm at the arm tips and 6 mm on the channel. No collapse of the structure shall occur with a combination of proof load and point load applied.

## 2.2 **TEST 2 B**

Test 2 A shall be repeated with the assembly but with an asymmetrical load on the DC1 column and point load applied to arm 8 as shown in the enclosed drawing PE-DG-999-507-E114 (Sheet 07 of 10). The 100 kg and 200 kg uniformly distributed loads shall be applied to the upper three arms on one side and the lower three arms on the opposite side.

## 3.0 **TEST 3**

### **Tests on Channel Fixed on Beam/Floor**

A length of main support channel section shall be fixed to steel structure/ floor and have loads applied as shown in the drawing no. PE-DG-999-507-E114 (sheet 08 of 10) enclosed and as detailed below:

### 3.1 **TEST 3 A**

A length of steel structure shall be rigidly supported. It should be fitted on a metre length of channel section using beam clamps welded/bolted. A point load of 1200 kg shall be applied to the centre point via two brackets. No distortion or pulling of the components shall take place.

### 3.2 **TEST 3 B**

With the components assembled in Test 3A, two perpendicular point loads of 600 kg shall be simultaneously applied at positions 150 mm either side of the centre line, no distortion or pulling of the components shall take place.

### 3.3 **TEST 3 C**

With the components assembled as in Test 3 A, a perpendicular point load of shall be applied at a point 150 mm on one side of the centre line.

The load shall be gradually increased to the maximum value that can be applied without causing distortion or pulling of the components. This value shall be recorded.

## 4.0 **TEST 4: CHANNEL INSERT (If applicable)**

2.5 metre of SC1 Channel fixed to the concrete wall / steel structure as per actual site installation conditions. 6 nos. of 750/650 mm cantilever arms shall be fixed to the SC1 Channel as shown in enclosed drawing PE-DG-999-507-E114 (sheet 09 of 10). Each arm uniformly loaded to a working load of 100 kg over the out board 600 mm. A point load of 100 kg shall then be applied to arm 2, followed by a uniform proof load of twice the working load on all the arms; deflection shall be measured at points shown in the enclosed drawing at the following load intervals:

- i) Working load
- ii) Working load + point load
- iii) Offload
- iv) Proof load + point load
- v) Offload

The deflection measured at working loads shall not exceed 16mm. The permanent deflection after removing the combination of working load and point load shall not exceed 10 mm at the arm tips and 6 mm on the channel. No collapse of the structure shall occur with a combination of proof load and point load applied.

## 5.0 **TEST 5:**

### **Channel nut slip characteristics (If applicable)**

#### **TEST 5 A1, 5 A2, and 5 A3:**

A length of channel SC1 section 200 mm long shall have fitted brackets with the two bolts fixing as shown in enclosed drawing PE-DG-999-507-E114 (sheet 10 of 10).

With loads applied at the position shown in drawing enclosed nut slip shall be determined with bolt torque of 30 NM, 50 NM and 65 NM. No fewer than three measurements shall be made for each torque setting.

A minimum loading of 720 kg shall be obtained before nut slip with bolt torque of 65 NM.

#### **TEST 5 B1, 5 B2, and 5 B3:**

The length of channel SC1 section 200 mm long shall have fitted bracket with the one bolt fixing as shown in enclosed drawing PE-DG-999-507-E114 (sheet 10 of 10).

With loads applied at the position shown in drawing enclosed nut slip shall be determined with bolt torque of 30 NM, 50 NM and 65 NM. No fewer than three measurements shall be made for each torque setting.

A minimum loading of 350 kg shall be obtained before nut slip with a bolt torque of 65 NM.

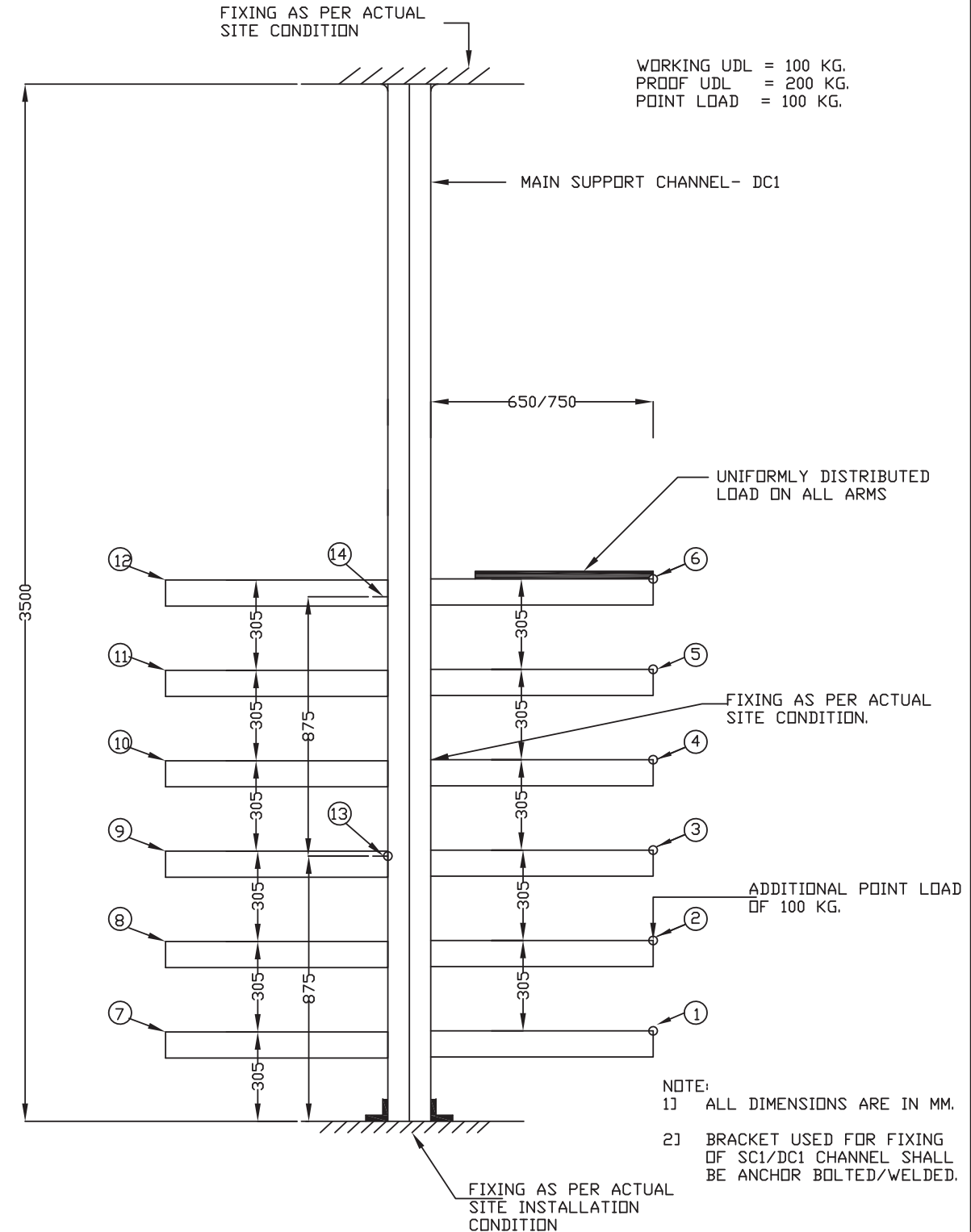
## **6.0**

### **TEST 6:**

#### **Weld Integrity Test**

After the deflection test as per test 1A, 1B, 2A, 2B and 4 above weld integrity shall be checked by magnetic particle inspection to detect sub- surface cracks developed, if any.





Q DEFLECTION MEASURING POINTS.

**TEST : 2A: MAIN SUPPORT CHANNEL  
(CANTILEVER ARM ON BOTH SIDES)**

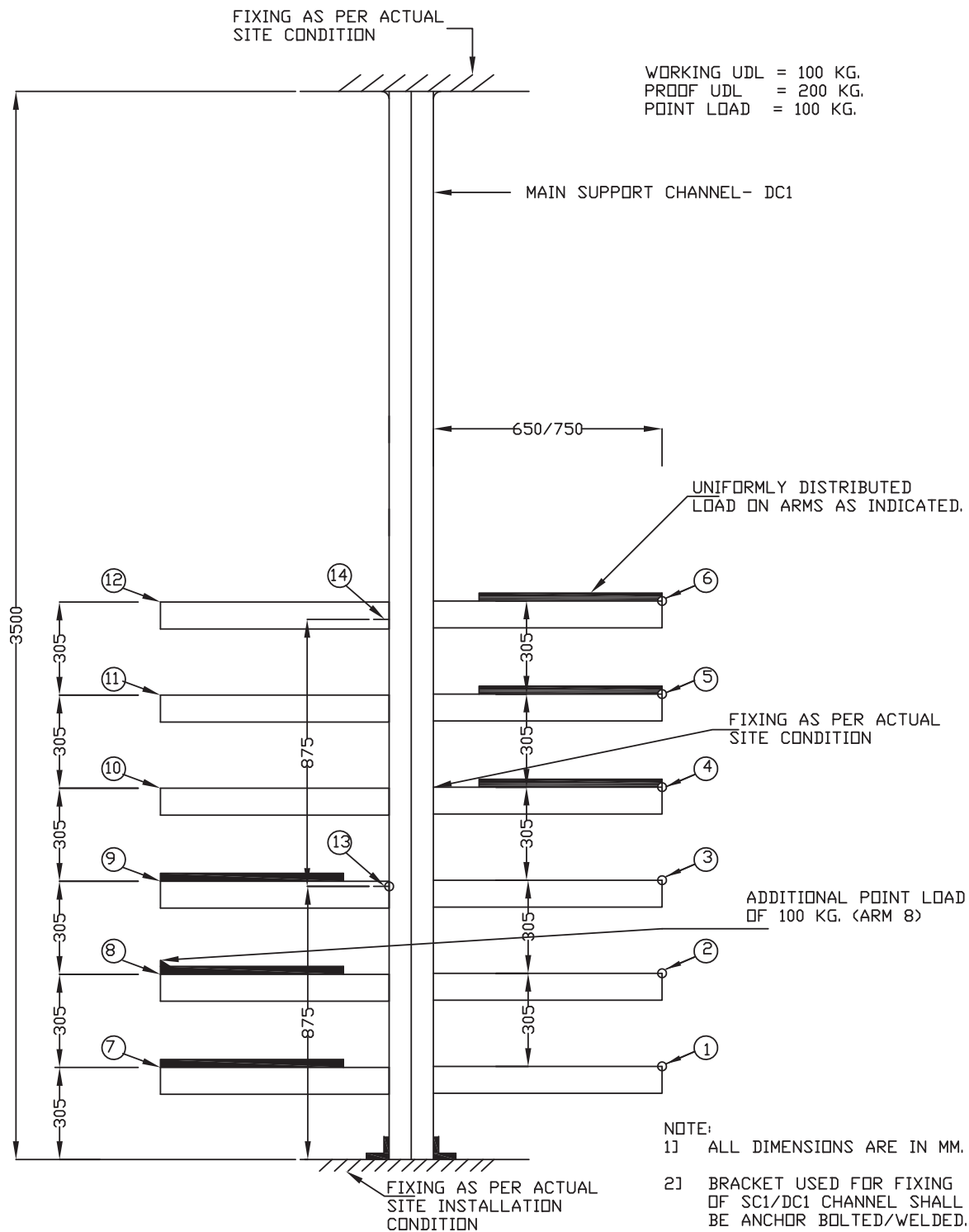


**TITLE: TYPICAL DETAILS OF  
TYPE TEST ARRANGEMENT**

**DRG. NO.  
PE-DG-999-507-E114**

**SH 6 OF 10**





Q DEFLECTION MEASURING POINTS.

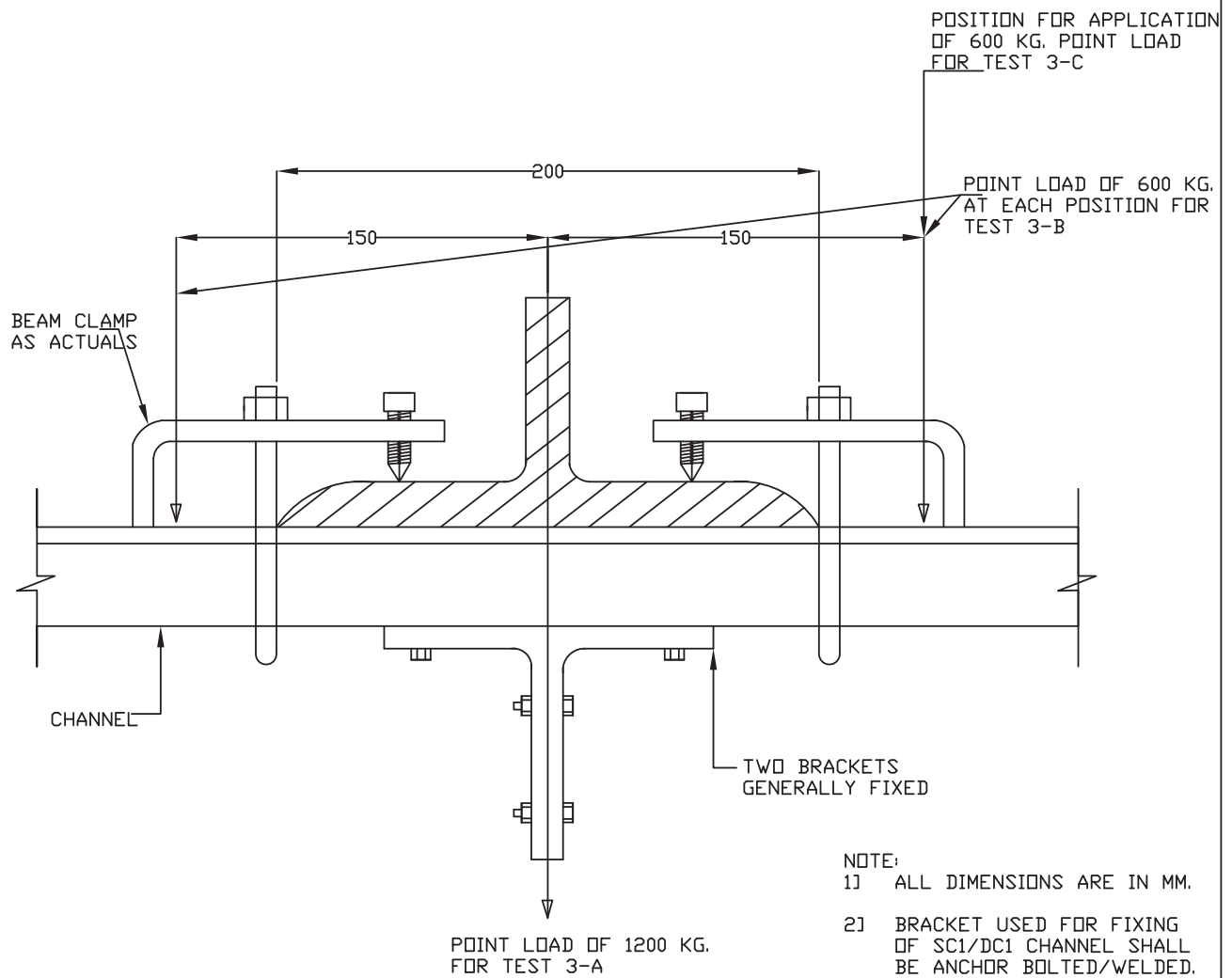
**TEST : 2B: MAIN SUPPORT CHANNEL  
(ASYMMETRIC LOADING)**



**TITLE: TYPICAL DETAILS OF  
TYPE TEST ARRANGEMENT**

**DRG. NO.  
PE-DG-999-507-E114**

**SH 7 OF 10**



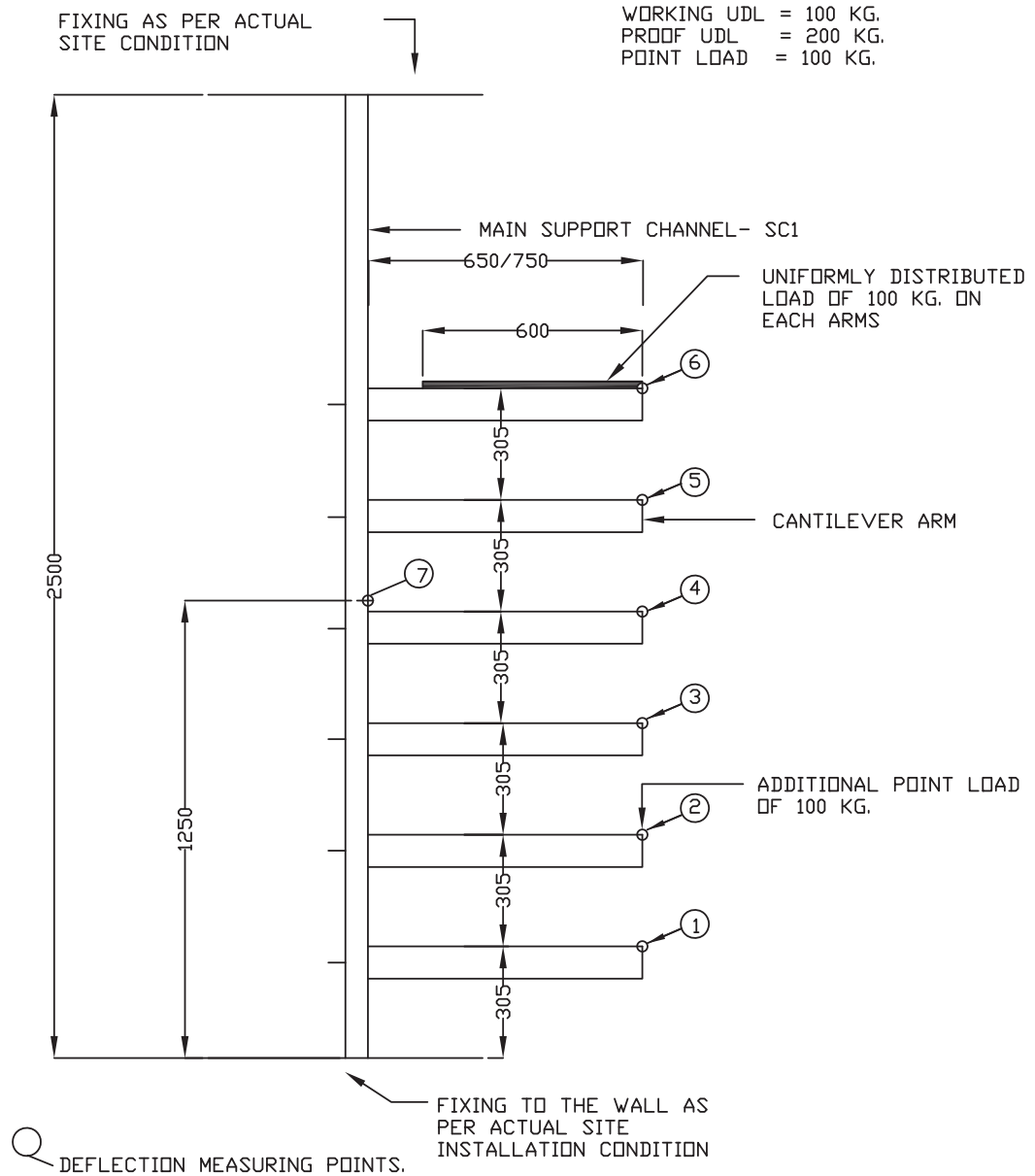
**TEST : 3A, 3B, 3C: CHANNEL FIXED ON BEAM/FLOOR.**



**TITLE: TYPICAL DETAILS OF  
TYPE TEST ARRANGEMENT**

**DRG. NO.  
PE-DG-999-507-E114**

**SH 8 OF 10**



NOTE:  
1] ALL DIMENSIONS ARE IN MM.

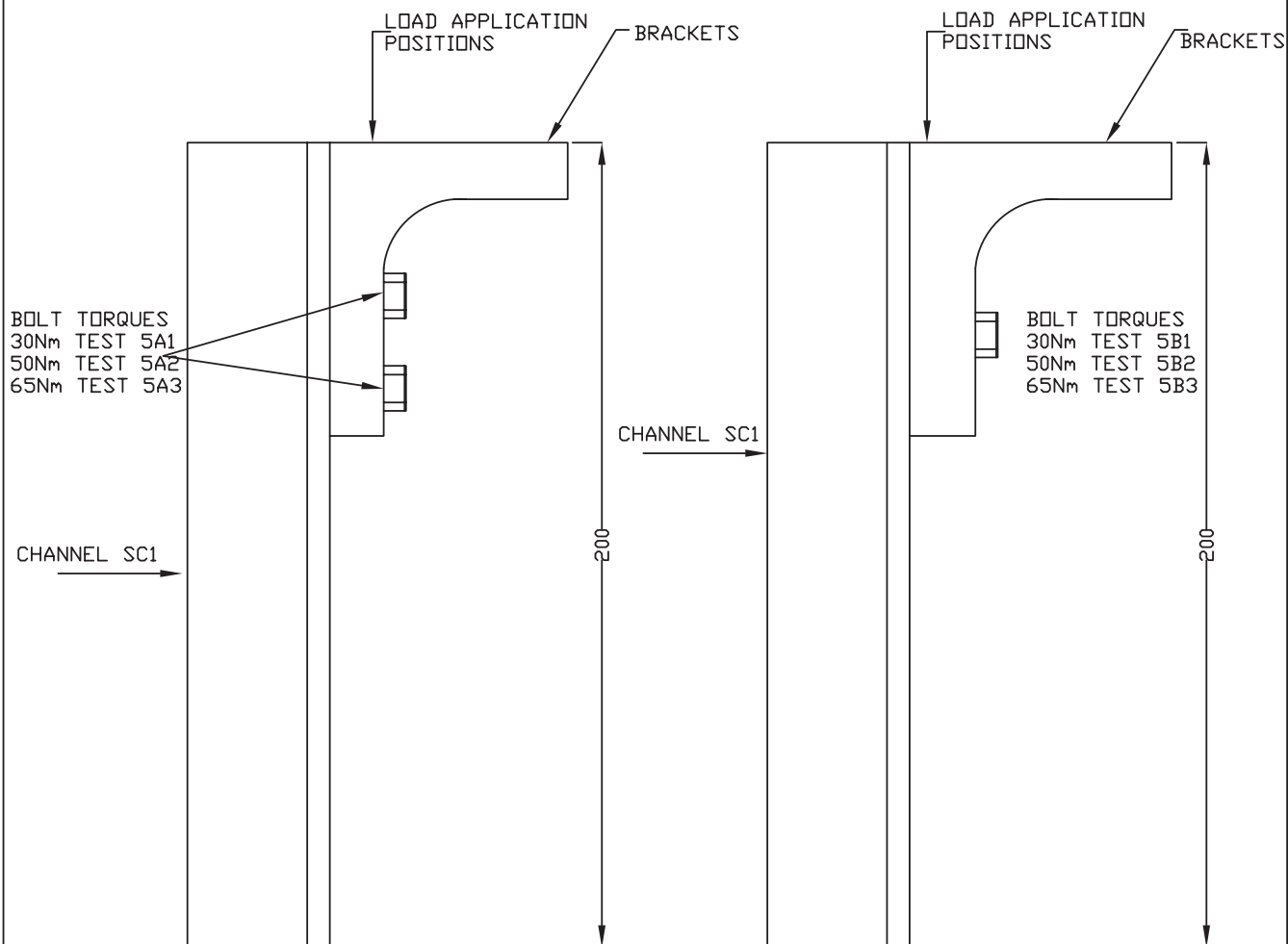
#### TEST : 4: CHANNEL INSERT



TITLE: TYPICAL DETAILS OF  
TYPE TEST ARRANGEMENT

DRG. NO.  
PE-DG-999-507-E114

SH 9 OF 10



ASSEMBLY USING M12 X 25MM LONG  
HEX. HD. SCREWS LOCK WASHER AND  
M12 CHANNEL NUT WITH SPRING

**TEST : 5A1, 5A2, 5A3:**  
**CHANNEL NUT SLIP CHARACTERISTIC**

ASSEMBLY USING M12 X 25MM LONG  
HEX. HD. SCREWS LOCK WASHER AND  
M12 CHANNEL NUT WITH SPRING

**TEST : 5B1, 5B2, 5B3:**  
**CHANNEL NUT SLIP CHARACTERISTIC**

NOTE:  
1] ALL DIMENSIONS ARE IN MM.



TITLE: TYPICAL DETAILS OF  
TYPE TEST ARRANGEMENT


DRG. NO.  
PE-DG-999-507-E114

SH 10 OF 10

	<p style="text-align: center;">TECHNICAL SPECIFICATION CABLE TRAY SUPPORT SYSTEM -BOLTABLE ANNEXURE-II</p>	
		Issue No: 00
		Rev. No. 00
		Date :22.11.2024

### PACKING REQUIREMENT

Sl.no	DESCRIPTION
1	Type of Packing:
1.1	The material shall be packed to ensure protection against damage during transit, storage for prolonged periods and handling.
1.2	Similar type and size of Channels/Cantilever arm shall be grouped together and stacked.
1.3	At bottom of each stack wooden block shall be provided.Channels/Cantilever arm in each stack shall be tied with with steel wires / strips for convenient handling. At top of stack rubber or any material to be provided below wire/strip to avoid damage in galvanization.
1.4	Items other than Channels & Cantilever arms including Nuts, bolts & washer shall be packed in wooden box.
1.5	The following details shall be marked on the packing/each stack (above): i) Name and address of the consignee ii) Purchase Order No: iii) Name of supplier iv) Description of material v) Quantity of items (in numbers and weight) vi) Gross weight
2	Quality of wood:
2.1	Quality of wood: Wood used for packing box shall be Pinewood, Rubber wood, Mango wood, Fir wood, Silver Oak wood or other as per availability with moisture content not exceeding 30%.
3	Cushioning material and moisture absorber:
3.1	Suitable cushioning shall be provided by rubberized coir/ thermocol / expanded soft polyethylene foam.
3.2	Adequate quantity of packed desiccant shall be suitably placed inside the packing box.
4	Packing slip & holder:
4.1	Packing slip kept in polyethylene bag shall be placed inside the wooden box at appropriate place.
4.2	One copy of packing slip wrapped in polyethylene bag covered in galvanized iron tin sheet/ aluminium packing slip holder shall be fixed on the external surface the packing box.

	<b>TECHNICAL SPECIFICATION FOR CABLE TRAY SUPPORT SYSTEM -BOLTABLE</b>	Specification No.: PE-TS-999-507-E013 Rev. No. 00 Date : 27.01.2025
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**1. DRAWINGS & DOCUMENTS TO BE SUBMITTED BY ALL THE BIDDERS ALONG WITH THE BID**

S.N.	DOCUMENT TITLE
a	PQR CREDENTIALS
b	COMPLIANCE SHEET

**2. DRAWINGS & DOCUMENTS TO BE SUBMITTED BY SUCCESSFUL BIDDER AFTER AWARD OF CONTRACT ALONG WITH SUBMISSION SCHEDULE**

**After rate contract; against specific project requirement following information shall be furnished by BHEL: -**

- a) Applicable list of Galvanizers (Annexure to Quality Plan).  
b) BOQ (Bill of Quantities)

**3. Following documents shall be submitted for specific project requirement after placement of order for BHEL & customer's approval: -**

S.N.	BHEL Drawing No	Drawing Title	Primary/Secondary	BHEL Inputs	Drg Sch for Vendors
1	PE-V0-XXX-507-E052	GA DRG. OF CABLE TRAY SUPPORTS [BOLTED TYPE]	Primary		R-0 within 7 days from PO & subsequent revisions within 5 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 7 days from receipt.
2	PE-V0-XXX-507-E008	QUALITY PLAN FOR CABLE TRAY SUPPORTS [BOLTED TYPE]	Primary		
3	PE-V0-XXX-507-E051	TECHNICAL DATA SHEET FOR CABLE TRAY SUPPORTS [BOLTED TYPE]	Primary		
4	PE-V0-XXX-507-E053	Type test procedure including Typical details of type test arrangement	Primary		
5	PE-V0-XXX-507-E055	BILL OF MATERIAL	Secondary		R0 withn 15 dyas of approval of all primary documents. & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt
6	PE-V0-XXX-507-E054	TYPE TEST REPORT / CERTIFICATES	** Primary/Secondary		<p>Case 1: If Type Test Report is available and Type test conduction is not required as per technical Specification, Type test report to be submitted as below:  R-0 within 14 days from date of PO &amp; subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.</p> <p>Case 2: If Type Test Report is not available as per technical Specification, Newly conducted test report to be submitted as below:  R-0 within 02 months of approval of other primary drawing/documents &amp; subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.</p> <p>Case 3: For the cases where earlier conducted Type test reports are available as per technical Specification, however the Type Test need to be conducted as per contractual requirement, Type Test Report to be submitted within 1 week of type test conduction &amp; subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.</p> <p>** For Cases 1 &amp; 2 above, the document shall be "Primary" and for Case - 3 the document shall be "Secondary"</p>





**TECHNICAL SPECIFICATION FOR  
GALVANISED CABLE TRAY SUPPORT  
SYSTEM (BOLTABLE TYPE)**

SPECIFICATION NO. PE-RC- 999-507-E013

VOLUME II

SECTION I

REVISION 0

DATE: 27.01.2025

SHEET 1 of 1

**COMPLIANCE CERTIFICATE**

The bidder shall confirm compliance to the following by signing/ stamping this compliance certificate and furnishing same with the offer.

1. The scope of supply, technical details, construction features, design parameters etc. shall be as per technical specification & there are no exclusion/ deviation with regard to same.
2. There are no deviation with respect to specification
3. Only those technical submittals which are specifically asked for in NIT to be submitted at tender stage shall be considered as part of offer. Any other submission, even if made, shall not be considered as part of offer.
4. Any comments/ clarifications on technical/ inspection requirements furnished as part of bidder's covering letter shall not be considered by BHEL, and bidder's offer shall be construed to be in conformance with the specification.
5. Any changes made by the bidder in the price schedule with respect to the description/ quantities from those given in 'BOQ-cum-Price Schedule' of the specification shall not be considered (i.e., technical description & quantities as per specification shall prevail).

-----  
BIDDER'S STAMP & SIGNATURE

### BOQ CUM UNPRICED SCHEDULE

S.N.	GALVANISED MS CABLE TRAY SUPPORTS	UOM	QUANITTY	UNIT PRICE (EX- WORKS) (Rs)	TOTAL PRICE (EX- WORKS) (Rs)
1	SINGLE CHANNEL (SC-1) (STANDARD LEGTH OF 6 METERS PER PIECE)	Metres	256000	0.1638*X/256000	0.1638*X
2	DOUBLE CHANNEL (DC-1) (STANDARD LEGTH OF 6 METERS PER PIECE)	Metres	175000	0.22326*X/175000	0.22326*X
	CANTILEVER ARM				
3	For 600mm wide trays(750mm)	Nos.	42000	0.02154*X/42000	0.02154*X
4	For 600mm wide trays(620mm)	Nos.	226000	0.11127*X/226000	0.11127*X
5	For 300mm wide trays(320mm)	Nos.	117000	0.0353*X/117000	0.0353*X
6	For 150mm wide trays(170mm)	Nos.	92000	0.0229*X/92000	0.0229*X
	CLAMPS AND FITTINGS				
7	CLAMP (CC1)	Nos.	148000	0.02279*X/148000	0.02279*X
8	CLAMP (CC2)	Nos.	73000	0.01403*X/73000	0.01403*X
9	BASE PLATE FOR DOUBLE CHANNEL (BP1)	Nos.	115000	0.0252*X/115000	0.0252*X
10	BASE PLATE FOR DOUBLE CHANNEL (BP2)	Nos.	99000	0.03066*X/99000	0.03066*X
11	TEE FIT PF1	Nos.	27000	0.0046*X/27000	0.0046*X
12	STRAIGHT FIT PF2	Nos.	30000	0.00329*X/30000	0.00329*X
13	90 DEGREE ANGLE FITTING (LA1)	Nos.	291000	0.01648*X/291000	0.01648*X
14	90 DEGREE ANGLE FITTING (HL1)	Nos.	79000	0.00811*X/79000	0.00811*X
15	Tray Fixing Clamp-TC1	Nos.	1060000	0.04386*X/1060000	0.04386*X
16	BEAM CLAMP BC1	Nos.	90000	0.02773*X/90000	0.02773*X
17	TRESTLE BRACKET	Nos.	32000	0.0044*X/32000	0.0044*X
18	TRAY HOLDING CLAMP T1	Nos.	65000	0.00399*X/65000	0.00399*X
19	TRAY HOLDING CLAMP T2	Nos.	9000	0.00047*X/9000	0.00047*X
20	M12(Hex Bolt & washer)	Nos.	3701000	0.06624*X/3701000	0.06624*X
21	M12 (spring nuts)	Nos.	3701000	0.06624*X/3701000	0.06624*X
22	M6(PAN head screws & washer)	Nos.	954000	0.01654*X/954000	0.01654*X
23	M6 (spring nuts)	Nos.	954000	0.01654*X/954000	0.01654*X
24	Anchor fastner	Nos.	913000	0.03528*X/913000	0.03528*X
25	M-10-U BOLT WITH 2 NOS PLAIN WASHERS AND NUTS - 110mm	Nos.	180000	0.01307*X/180000	0.01307*X
26	SET SCREWS M10X40	Nos.	180000	0.00241*X/180000	0.00241*X

1. Bidder to quote grand total value of the complete package (Rs X) only as per the BOQ above. The item wise break up of total price and unit price shall be derived as per the formulae indicated above.

2. Nut, bolt, washer required for items S.No 1 to 19 to be quoted at S.N 20 to 26. Bidders to note that price quoted for S.N. 1 to 19 shall be excluding the price of nut, bolt, washer etc as mentioned in S.N. 20 to 26.

3. For any clarification please refer technical specification no-PE-TS-999-507-E013

4. PVC is applicable for Cable Tray Support which shall be as per Annexure-C of Technical specification.

## ANNEXURE - C

	<b><u>Price Variation Formulae</u></b>	<b>ANNEXURE-C</b>
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Prices shall be variable as per following PVC formulae: -

<b>Cable tray Support System-Boltable</b>	
$P = P_o/100 (20 + 58 (SBIR/SBIR_o) + 7 (Zn/Zn_o) + 15 (W/ W_o) )$	Indices to be taken from IEEMA Circular (IEEMA(PVC)/TLA&H(R-3)/_/_) for the applicable month.

Wherein,

P = Price payable as adjusted in accordance with the above formula.

P<sub>o</sub> = Price quoted/confirmed.

SBIR<sub>o</sub> = Price of Steel Billets- Retail  
**This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.**

Zn<sub>o</sub> = Price of Electrolytic high grade zinc  
 This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

W<sub>o</sub> = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2016 = 100) (Refer notes)  
 This index number is as applicable on the first working day of the month, **three months** prior to the date of tendering.

SBIR = Price of Steel Billets-Retail  
**This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.**

Zn = Price of Electrolytic high grade zinc  
**This price is as applicable on the 1st working day of the month, two months prior to the date of delivery.**

W = All India average consumer price index number for industrial workers, as published by the Labour Bureau, Ministry of Labour, Govt. of India (Base: 2016 = 100) (refer notes)  
 This index number is as applicable on the first working day of the month, **four months** prior to the date of delivery.

The date of delivery is the date on which materials are notified as being ready for inspection/dispatch (in the absence of such notification, the date of manufacturer's dispatch note is to be considered as the date of delivery) or the contracted delivery date (including any agreed extension thereto), whichever is earlier.

**Note- PVC is not applicable for nut, washer, bolt (item S.n. 20 -26 of BOQ cum unpriced schedule)**

	<b>PRE-QUALIFICATION REQUIREMENTS FOR CABLE TRAY SUPPORT SYSTEM- BOLTABLE</b>	PE-PQ-RC-507-E003
		REVISION NO. 00      DATE 26/02/2025
		Sheet 1 of 1


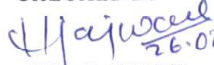


**ITEMS :** Single channel, double channel, cantilever arms, clamps & fittings


**SCOPE:** Supply: YES; Erection & Commissioning: NO;

1	Availability of type test certificates as per GDCC standard.
2	Vendor should have in-house fabrication, manufacturing & testing facility (as per GDCC standard).
3	Capability of manufacturing channels & cantilever arms for 40km per month.
4	Vendor has his own galvanization plant.  OR  Galvanization of cable tray support-boltable type to be done from any of BHEL-PEM approved galvanizers(Refer notes-5).
5	Manufactured & supplied at least 100 km of channels (SC1 & DC1) & cantilever arms in one or more orders and at least 30 km in a single order.
6	Minimum two (2) nos. purchase orders for cable tray support system - boltable type shall be submitted which should not be more than five (5) years old from the date of application for registration or date of techno-commercial bid opening (as applicable) for establishing continuity in business.

**NOTES:**

1. Consideration of offer shall be subject to customer's approval of bidders, if applicable
2. Bidder to submit all supporting documents in English. If documents submitted by bidder are in language other than English, a self- attested English translated document should also be submitted.
3. Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
4. After satisfactory fulfilment of the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of tender.
5. Apart from BHEL-PEM approved Galvanizers, Vendor may propose his own galvanizer which shall be subject to BHEL/Customer approval. In case of non-approval of vendor proposed galvanizer, Galvanization shall be done form list of BHEL-PEM approved galvanizers.
6. Attached Annexure-1 to be filled by the bidders on quality & general terms. Requisite Documents (like factory registration certificate, R&D set-up details etc.) asked in the Annexure-1, shall also be attached as Annexure-F2.1 to Annexure F2.17 along with the filled response in the Annexure-1.

<b>PREPARED BY</b>  <b>KHUSHBU AGRAWAL</b> Sr. MANAGER	<b>CHECKED BY</b>  <b>N.N. JAJWARE</b> DGM	<b>REVIEWED BY</b>  <b>PRAVEEN DUTTA</b> AGM	<b>APPROVED BY</b>  <b>DEBASISA RATH</b> (GM/DH-ELECT)
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	<b><u>ANNEXURE- 1</u></b>  <b>SUB-VENDOR QUESTIONNAIRE</b>
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<b>i.</b>	<b>Item/Scope of Sub-contracting</b>			
<b>ii.</b>	<b>Address of the registered office</b>	<b>Details of Contact Person</b> (Name, Designation, Mobile, Email)		
<b>iii.</b>	<b>Name and Address of the proposed Sub-vendor's works where item is being manufactured</b>	<b>Details of Contact Person:</b> (Name, Designation, Mobile, Email)		
<b>iv.</b>	<b>Annual Production Capacity for proposed item/scope of sub-contracting</b>			
<b>v.</b>	<b>Annual production for last 3 years for proposed item/scope of sub-contracting</b>			
<b>vi.</b>	<b>Details of proposed works</b>			
1.	Year of establishment of present works			
2.	Year of commencement of manufacturing at above works			
3.	Details of change in Works address in past (if any)			
4.	Total Area			
	Covered Area			
5.	Factory Registration Certificate	Details attached at Annexure – F2.1		
6.	Design/ Research & development set-up (No. of manpower, their qualification, machines & tools employed etc.)	Applicable / Not applicable if manufacturing is as per Main Contractor/purchaser design Details attached at Annexure – F2.2 (if applicable)		
7.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc)	Details attached at Annexure – F2.3		
8.	After sales service set up in India, in case of foreign sub-vendor (Location, Contact Person, Contact details etc.)	Applicable / Not applicable Details attached at Annexure – F2.4		
9.	Manufacturing process execution plan with flow chart indicating various stages of manufacturing from raw material to finished product including outsourced process, if any	Details attached at Annexure – F2.5		
10.	Sources of Raw Material/Major Bought Out Item	Details attached at Annexure – F2.6		
11.	Quality Control exercised during receipt of raw material/BOI, in-process, Final Testing, packing	Details attached at Annexure – F2.7		

**ANNEXURE- 1****SUB-VENDOR QUESTIONNAIRE**

12.	<b>Manufacturing facilities</b> (List of machines, special process facilities, material handling etc.)			Details attached at Annexure – F2.8		
13.	<b>Testing facilities</b> (List of testing equipment)			Details attached at Annexure – F2.9		
14.	If manufacturing process involves fabrication then-			Applicable / Not applicable		
	List of qualified Welders			Details attached at Annexure – F2.10		
	List of qualified NDT personnel with area of specialization			(if applicable)		
15.	List of out-sourced manufacturing processes with Sub-Vendors' names & addresses			Applicable / Not applicable		
				Details attached at Annexure. –F2.11 (if applicable)		
16.	Supply reference list including recent supplies			Details attached at Annexure – F2.12 (as per format given below)		
Project/ package		Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date		Supplied Quantity
17.	Product satisfactory performance feedback letter/certificates/End User Feedback			Attached at annexure - F2.13		
18.	Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating) Note:- Reports need not to be submitted			Applicable / Not applicable		
				Details attached at Annexure – F2.14 (if applicable)		
19.	Statutory / mandatory certification for the proposed product			Applicable / Not applicable		
				Details attached at Annexure – F2.15 (if applicable)		
20.	Copy of ISO 9001 certificate (if available)			Attached at Annexure – F2.16		
21.	Product technical catalogues for proposed item (if available)			Details attached at Annexure – F2.17		
Name:		Design:		Sign:		Date:

Company's Seal/Stamp:-



## PRE - QUALIFYING REQUIREMENTS

**PROJECT:**

**RATE CONTRACT**

**PACKAGE:**

**CABLE TRAY SUPPORT SYSTEM -BOLTABLE**

### CRITERIA FOR EVALUATION - FINANCIAL :

	Amount (in Rs.)
Average annual financial turnover value during any three out of last six Financial Years as on tender due date should not be less than	<b>7,42,00,000.00</b>

**Rs.Seven Crore Forty Two Lakh only**

#### Notes:-

a) The bidder has to submit financial accounts (audited, if applicable comprising of Audit report, Balance Sheet, Profit & Loss A/c Statement and Notes/Schedules pertaining to Turnover/Sales/Revenue), for any three out of last six Financial Years (or from the date of incorporation, whichever is less) as on tender due date to review the above criteria. In case the incorporation of vendor is less than 3 years, average annual financial turnover shall be calculated based on available information as below:-

i) If the accounts are available for  $\leq 1$  Financial Year, the Average Annual Turnover shall be calculated based on available information divided by 1 (One).

ii) If the accounts are available for  $>1$  but  $\leq 2$  Financial Years, the Average Annual Turnover shall be calculated based on available information divided by 2 (Two).

iii) If the accounts are available for  $>2$  but  $\leq 3$  Financial Years, the Average Annual Turnover shall be calculated based on available information divided by 3 (Three).

b) Foreign bidder is to submit a latest report from reputed third party business rating agency like Dun & Bradstreet, Credit reform etc. in addition to the documents mentioned at point (a) above for review of above criteria.

c) Other Income shall not be considered for arriving at Annual Turnover/Sales. For evaluation purpose, turnover figure excluding taxes shall be considered.

d) For evaluation of foreign bidder, exchange rate (TT selling rate of SBI) as on scheduled date of tender opening (Part-I bid in case of two part bid) shall be considered.

e) Bidder who is 50% or above subsidiary of any other company including those registered outside India and does not meet any of the above Financial Criteria, such bidder may be qualified based on credentials of its holding company provided such holding company meets the above PQR criteria. In such case, the Bidder would be required to furnish a Letter of Support from its Holding Company, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award.

f) In cases where audited results for the last financial year as on the date of Techno Commercial bid opening are not available, a Certificate would be required from CEO/CFO stating that the financial results of the Company are under audit as on the date of Techno-commercial bid opening and are not available.





**PACKAGE: CABL TRAY SUPPORT- BOLTABLE**  
**PROJECT: FRAMEWORK AGREEMENT (RATE CONTRACT)**  
**ENQUIRY NO.-77/24/6077/SUM dated 11.03.2025**  
**BIDDER NAME:**

S.N.	GALVANISED MS CABLE TRAY SUPPORTS	UOM	QUANTITY	UNIT PRICE (EX- WORKS) (Rs)	TOTAL PRICE (EX- WORKS) (Rs)	FREIGHT CHARGES (EXCLUDING GST) @ ____% OF TOTAL EX-WORKS	FREIGHT CHARGES EXCLUDING GST (INR)	Applicable GST @ ____% (on "Total Ex-Works +Freight")	GST (INR)	TOTAL F.O.R. SITE PRICE (INR)
1	SINGLE CHANNEL (SC-1) (STANDARD LEGTH OF 6 METERS PER PIECE)	Metres	256000	0.1638*X/256000	0.1638*X					
2	DOUBLE CHANNEL (DC-1) (STANDARD LEGTH OF 6 METERS PER PIECE)	Metres	175000	0.22326*X/175000	0.22326*X					
	CANTILEVER ARM									
3	For 600mm wide trays(750mm)	Nos.	42000	0.02154*X/42000	0.02154*X					
4	For 600mm wide trays(620mm)	Nos.	226000	0.11127*X/226000	0.11127*X					
5	For 300mm wide trays(320mm)	Nos.	117000	0.0353*X/117000	0.0353*X					
6	For 150mm wide trays(170mm)	Nos.	92000	0.0229*X/92000	0.0229*X					
	CLAMPS AND FITTINGS									
7	CLAMP (CC1)	Nos.	148000	0.02279*X/148000	0.02279*X					
8	CLAMP (CC2)	Nos.	73000	0.01403*X/73000	0.01403*X					
9	BASE PLATE FOR DOUBLE CHANNEL (BP1)	Nos.	115000	0.0252*X/115000	0.0252*X					
10	BASE PLATE FOR DOUBLE CHANNEL (BP2)	Nos.	99000	0.03066*X/99000	0.03066*X					
11	TEE FIT PF1	Nos.	27000	0.0046*X/27000	0.0046*X					
12	STRAIGHT FIT PF2	Nos.	30000	0.00329*X/30000	0.00329*X					
13	90 DEGREE ANGLE FITTING (LA1)	Nos.	291000	0.01648*X/291000	0.01648*X					
14	90 DEGREE ANGLE FITTING (HL1)	Nos.	79000	0.00811*X/79000	0.00811*X					
15	Tray Fixing Clamp-TC1	Nos.	1060000	0.04386*X/1060000	0.04386*X					
16	BEAM CLAMP BC1	Nos.	90000	0.02773*X/90000	0.02773*X					
17	TRESTLE BRACKET	Nos.	32000	0.0044*X/32000	0.0044*X					
18	TRAY HOLDING CLAMP T1	Nos.	65000	0.00399*X/65000	0.00399*X					
19	TRAY HOLDING CLAMP T2	Nos.	9000	0.00047*X/9000	0.00047*X					
20	M12(Hex Bolt & washer)	Nos.	3701000	0.06624*X/3701000	0.06624*X					
21	M12 (spring nuts)	Nos.	3701000	0.06624*X/3701000	0.06624*X					
22	M6(PAN head screws & washer)	Nos.	954000	0.01654*X/954000	0.01654*X					
23	M6 (spring nuts)	Nos.	954000	0.01654*X/954000	0.01654*X					
24	Anchor fastner	Nos.	913000	0.03528*X/913000	0.03528*X					
25	M-10-U BOLT WITH 2 NOS PLAIN WASHERS AND NUTS -110mm	Nos.	180000	0.01307*X/180000	0.01307*X					
26	SET SCREWS M10X40	Nos.	180000	0.00241*X/180000	0.00241*X					
GRAND TOTAL (Rs.)					X					

1. Bidder to quote grand total value of the complete package (Rs X) only as per the BOQ above. The item wise break up of total price and unit price shall be derived as per the formulae indicated above.

2. Bidder to quote freight charges in percentage of their quoted Total Ex-works Prices. Bidder to give single % of freight charges considering delivery anywhere in India in the freight column. Bidders have to give same % of freight for each line item. Further, bidder to quote non-zero freight %.

3. Nut, bolt, washer required for items S.no 1 to 19 to be quoted at S.N 20 to 26. Bidders to note that price quoted for S.N. 1 to 19 shall be excluding the price of nut, bolt, washer etc as mentioned in S.N. 20 to 26.

4. For any clarification please refer technical specification no-PE-TS-999-507-E013

5. PVC is applicable for Cable Tray Support which shall be as per Annexure-C of Technical specification.

6. PVC is not applicable for nut, washer, bolt (item S.n. 20 -26 of BOQ cum unpriced schedule)




[illegible]



**CORPORATE QUALITY ASSURANCE/ कॉरपोरेट गुणवत्ता आश्वासन**  
**MAIN CONTRACTOR'S PROPOSAL CUM EVALUATION REPORT**  
**मुख्य संविदाकार प्रस्ताव सह मल्यांकन रिपोर्ट**

<b>Ref No:</b>		<b>Date:</b>	
संदर्भ सं.:		तिथि:	
<b>i.</b>	<b>Main Contractor</b> मुख्य संविदाकार		
<b>ii.</b>	<b>Project</b> परियोजना		
<b>iii.</b>	<b>Package Name</b> पैकेज का नाम	<b>Package No</b> पैकेज सं.	
<b>iv.</b>	<b>Proposed Item/Scope of Sub-contracting</b> उप-संविदा(अनुबंध) का प्रस्तावित मद/ दायरा		
<b>v.</b>	<b>Item covered under</b> निम्नलिखित के अंतर्गत शामिल मद	<b>Schedule-1</b> /अनुसूची- 1	<b>As per contract clause No-</b> अनुबंध के अनुसार खंड सं.-- -
		<b>Schedule-2 अनुसूची- -2</b>	
<b>vi.</b>	<p><b>If item is Schedule-1 and proposed sub-vendor is indigenous, Main Contractor to explain how the contractual provisions will be fulfilled</b></p> <p>/यदि मद अनुसूची -1 है और प्रस्तावित उप-विक्रेता स्वदेशी है, तो मुख्य संविदाकार को स्पष्ट करना होगा कि संविदा/अनुबंध के प्रावधान कैसे पूरे किए जाएंगे</p>		
<b>vii.</b>	<b>Name and Address of the proposed Sub-vendor's works</b> /प्रस्तावित सब-वेंडर का नाम तथा पता		
<b>viii.</b>	<b>PO placement date/ Start of manufacturing (if self-manufactured) as per L2 network</b> पीओ नियोजन की तिथि / एल- 2 नेटवर्क के अनुसार विनिर्माण (यदि स्व-निर्मित है) की शुरुआत		
<b>ix.</b>	<b>Item Description</b> (Type/Size/Rating/Scope of Sub-Contracting) मद का विवरण (प्रकार / आकार / रेटिंग / उप-अनुबंध का दायरा)	<b>Total quantity of proposed item envisaged in this package (Nos/ Running Meters/ Kgs/ Tons etc)</b> इस पैकेज में परिकल्पित प्रस्तावित मद की कुल मात्रा (संख्या / क्रियाशील मीटर /	<b>Quantity proposed to be procured from proposed sub-vendor (Nos/ Running Meters /Kgs /Tons etc)</b> प्रस्तावित उप-विक्रेता (संख्या / क्रियाशील मीटर / किलोग्राम / टन आदि) से खरीदी जाने वाली मात्रा
			<b>Timeline for quantity requirements as per project schedule &amp; whether the proposed Sub-vendor equipped with adequate capacity to supply proposed order quantity in time</b> / परियोजना समय सूची के अनुसार मात्रा आवश्यकताओं के लिए समय-सीमा और क्या प्रस्तावित उप-विक्रेता समय पर प्रस्तावित मांग की मात्रा की आपूर्ति करने में पूरी तरह से सक्षम है
<b>x.</b>	<b>Supply experience of the proposed sub-vendor (including supplies to Main Contractor, if any) for similar item/scope of sub-contracting, for last 3 years (Note:- Only relevant experience details w.r.t. proposed item/scope of subcontracting to be brought out here)</b> पिछले 3 वर्षों के लिए उप-अनुबंध के समान मद / दायरे के लिए प्रस्तावित सब-वेंडर (मुख्य संविदाकार		

	<b>CORPORATE QUALITY ASSURANCE/ कॉरपोरेट गुणवत्ता आश्वासन</b>	
	<b>MAIN CONTRACTOR'S PROPOSAL CUM EVALUATION REPORT</b>	
	<b>मुख्य संविदाकार प्रस्ताव सह मल्यांकन रिपोर्ट</b>	

	हेतु आपूर्ति, यदि कोई हो, सहित) का आपूर्ति अनुभव (नोट: - उप-अनुबंध के प्रस्तावित मद / दायरे के संबंध में केवल प्रासंगिक अनुभव के विवरण का उल्लेख हो						
	<b>Project/Package</b> परियोजना/पैकेज	<b>Customer Name</b> ग्राहक का नाम	<b>Supplied Item</b> (Type/Rating/Model /Capacity/Size etc) आपूर्ति मद (प्रकार/रेटिंग /मॉडल /क्षमता/आकार आदि)	<b>PO ref no/date</b> पीओ संदर्भ सं. /तिथि	<b>Supplied Quantity</b> आपूर्ति की मात्रा	<b>Date of Supply</b> आपूर्ति की तिथि	
<i>We confirm that as per our physical assessment, the proposed sub-vendor has requisite capabilities &amp; supply experience and is suitable for supplying the proposed item/scope of sub-contracting/हम अपने आकलन के अनुसार इस बात की पुष्टि करते हैं कि, प्रस्तावित उप-विक्रेता के पास अपेक्षित क्षमता और आपूर्ति करने का अनुभव है और उप-अनुबंध के दायरे /प्रस्तावित मद की आपूर्ति के लिए उपयुक्त है।</i>							
<b>Name:</b> नाम:		<b>Desig:</b> पद:		<b>Contact No:</b> दूरभाष सं.:		<b>Sign:</b> हस्ताक्षर:	<b>Date:</b> तिथि:

Company's Seal/Stamp:- कंपनी का मुहर:-



## **BHEL / PEM / CMM**

### **SPECIAL CONDITIONS OF CONTRACT OF FRAMEWORK AGREEMENT (RATE CONTRACT) FOR CABLE TRAY SUPPORT- BOLTABLE**

1. This tender is issued by BHEL PEM for Framework Agreement (Rate Contract) of CABLE TRAY SUPPORT- BOLTABLE required at various BHEL project sites on behalf of various BHEL units. Framework Agreement (Rate Contract) validity for ordering shall be two years from the purchase order for Rate Contract.
2. Framework Agreement (Rate Contract) shall be finalized only with suppliers who are registered with BHEL-PEM. Bidders who are not registered with BHEL-PEM (suppliers already registered with other BHEL Units shall also be required to apply registration in BHEL PEM) needs to apply & get registered for subject package with PEM before Reverse Auction & hence they need to apply online for registration on PEM web portal & have to enclose acknowledgement with the bid documents else their bid may not be considered for evaluation.

The bidders who are not registered with BHEL-PEM may apply for registration in BHEL-PEM through Registration Portal available at <https://bhel.com/supplier-registration> .

All credentials and/ or documents duly signed & stamped related to registration has to be uploaded on the website & submit the application for registration. One set of hard copy filled-up SRF downloaded from Online Registration Portal duly signed & stamped has to be submitted.

3. Framework Agreement (Rate contract) is proposed to be done with 3/2 suppliers in ratio of 45:30:25/ 70:30 value wise at L1 FOR site price (Ex-works + freight) for this package. However, order for a project shall not be split.
4. Quantity variation shall be applicable as +/- 30 % of the contract value. Bidders shall be informed that the quantities indicated in the tender are tentative quantities. No minimum quantity is guaranteed by BHEL.
5. This tender is issued by BHEL PEM for Framework Agreement (Rate Contract) of CABLE TRAY SUPPORT- BOLTABLE required at various BHEL project sites on behalf of various BHEL units. All bidders shall note the following: –
  - a) As and when requirement arises, the concerned Purchase Department of respective BHEL unit will place order directly on the supplier against the Framework Agreement (Rate Contract).
  - b) The drawings/ documents submission & approval, submission of Performance Security/ Performance Bank Guarantee, submission of invoices, processing and release of payment after supply of material, contractual dispute & commercial matters shall be dealt as per Framework Agreement (Rate Contract) contract terms & conditions directly by Purchase Department of respective BHEL unit which has placed purchase order against the Rate Contract.
6. Details of consignee and project site information for dispatch of material shall be intimated at the time of placement of PO for specific project after finalization of RC.
7. The items will be required against respective projects. Exact quantities and Project information shall be intimated while placing Purchase Order for a specific project based on the Rate Contract.
8. Price Variation shall be applicable for the subject package. All bidders shall quote as per the Price Variation Formulae Annexure provided in NIT.
9. Inspection of materials shall be carried out by BHEL/ CQA and or by Customer or by an Authorized Agency at manufacture's works before dispatch, if required. Dispatch of material to be done, only after receipt of BHEL/ Customer MDCC. It is responsibility of vendor to obtain Material Dispatch Clearance Certificate (MDCC) from BHEL or Customer as required before dispatch of material.
10. Vendor shall give inspection call on BHEL-CQS web site to applicable inspection agency with a copy of inspection call to BHEL for arranging Customer participation (if applicable) in inspection / Joint inspection on the proposed date with an advance notice of 15 working days. Inspection charges shall be paid by BHEL.



## **BHEL / PEM / CMM**

11. Items have to be manufactured as per specification and supplied strictly in accordance with the approved BHEL/ Customer's Drawings & Quality Plan. The items/ test certificate of items, which for any reason are not acceptable to BHEL/ Customer, shall be required to be retested. No extra charge shall be payable on those account by BHEL.
12. Other terms and conditions shall be as per Standard Technical specification No. PE-TS-999-507-E013 Rev 00, GCC Rev 07, Corrigenda 01 & Corrigenda 02 to GCC Rev 07 and Enquiry letter.
13. This Enquiry is subject to Conditions/ limits if any imposed in in BHEL-PEM PMD/ Vendor registration.
14. Tentative quantity is given in Enquiry.
15. Bidders to submit offer for RC of said items ONLINE via BHEL-GePNIC Portal only. Bidders to upload tender documents complete in all respects duly signed & stamped on each and every page by the authorized signatory of the bidder as a token of acceptance of all the terms and conditions of tender.
16. The Bidder along with its associate/ collaborators/ sub-contractors/ sub-vendor/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL web site <http://www.bhel.com> and shall immediately bring to the notice of BHEL Management about any fraud as soon as it comes to their notice.

**Tentative List of projects for Framework Agreement (Rate Contract) of CABLE TRAY SUPPORT- BOLTABLE**

1. 2X800 MW LARA
2. 2X800 MW Singrauli STPP (NTPC)
3. 2X800 MW KODERMA
4. 1X800 MW SIPAT
5. 1X800 MW DARLIPALI
6. 3X800 MW TELANGANA BTG

**Format for Local Content Certificate as per MII order**

Ref: .....

Date: .....

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building,

Plot No 25, Sector -16A

Noida (U.P)-201301

Reference: Tender Enquiry No-.....

Name of Package: .....

Dear Sir,

We hereby certify that items of .....(Package name)

for.....(Project Name) offered by M/s .....(bidder's name)

having its works/office at ..... has local content of .....%. Further,

it is also certified that the local content percentage (%) certified above is in line with definition of local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017- revision, having ref. no. P-45021/2/2017-PP(BE-II)-Part(4) Vol.II dated 04.06.2020 & 19.07.2024 an

M/s..... qualifies as Class-I local supplier.

Further, cost of locally imported items (inclusive of taxes) sourced locally from resellers/ distributors

is Rs ..... and cost of licence/royalty paid/technical expertise cost etc. source from outside of India

is Rs.....

Details of the location(s) at which the local value addition-

Yours very truly

..... (Signing Authority Name & Sign)

..... (Firm Name)

## Land Border Certificate

**Dated:**

**Tender Title:**

This has reference to order no. F.No.7/10/2021-PPD, Ministry of Finance, Department of Expenditure, Public Procurement Division. We, M/s \_\_\_\_\_, confirm the following:

*I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India and on sub-contracting to contractors from such countries; I certify that this M/s \_\_\_\_\_ is not from such a country.*

*I hereby certify that this M/s \_\_\_\_\_ fulfills all requirements in this regard and is eligible to be considered.*

**Signature with Company seal**



## BANK GUARANTEE FOR PERFORMANCE SECURITY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Notwithstanding anything to the contrary contained hereinabove:

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

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

For and on behalf of  
(Name of the Bank)

Dated.....

Place of Issue.....

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

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

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

<sup>4</sup> CONTRACT VALUE

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

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

<sup>7</sup> VALIDITY DATE

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

**Note:**

1. Bank Guarantee should be refunded to the contractor without interest, after he duly performs and completes the contract in all respects but not later than 60 (sixty) days of completion of all such obligations including the warranty under the contract.
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.
3. From Nationalized/Public Sector / Private Sector/ Foreign Banks 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.

**INTEGRITY PACT****Between**

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

**and**

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

**Preamble**

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

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

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

**Section 1- Commitments of the Principal**

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

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

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

- 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 Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

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

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

### **Section 4 - Compensation for Damages**

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

**Section 5 - Previous Transgression**

- 5.1 The Bidder declares that no previous transgressions occurred in the last 3 (three) years with any other company in any country conforming to the anti-corruption approach or with any other Public Sector Enterprise in India that could justify his exclusion from the tender process.
- 5.2 If the Bidder makes incorrect statement on this subject, he can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason or action can be taken as per the separate "Guidelines on Banning of Business dealings with Suppliers/ Contractors", framed by the Principal.

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

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.
- 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.
- 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 Secret/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 advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.
- 8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.
- 8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.
- 8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.
- 8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.
- 8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.
- 8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs. Issues like warranty/ guarantee etc. shall be outside the purview 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 till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. 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.
- 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. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.

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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) \_\_\_\_\_

\_\_\_\_\_

**Clause on IP in the tender**

**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.	Shri Otem Dai, IAS (Retd.)	<a href="mailto:iem1@bhel.in">iem1@bhel.in</a>
2.	Shri Bishwamitra Pandey, IRAS (Retd.)	<a href="mailto:iem2@bhel.in">iem2@bhel.in</a>
3.	Shri Mukesh Mittal, IRS (Retd.)	<a href="mailto:iem3@bhel.in">iem3@bhel.in</a>

- (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 any of the above IEM(s). 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 provided below:*

Details of contact person(s):

(1)  
Name: \_\_\_\_\_  
Deptt: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: (Landline/ Mobile) \_\_\_\_\_  
Email: \_\_\_\_\_  
Fax: \_\_\_\_\_

(2)  
Name: \_\_\_\_\_  
Deptt: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: (Landline/ Mobile) \_\_\_\_\_  
Email: \_\_\_\_\_  
Fax: \_\_\_\_\_

**DETAILS OF COMPANY**

**The vendor shall furnish the following information along with the Part-1 Bid:**

1.0	Name of the firm	
2.0	Address for communication	
3.0	Registered Office, if any :	
	Telephone No. (Office) (Res) (Mobile) (Fax) (Email)	
4.0	Name of proprietor / partner / Director(s)	
5.0	Name of Bankers	
6.0	Copy of PAN Card to be enclosed	
7.0	Any other information	