

Bid Document

Bid Details	
Bid End Date/Time	14-02-2022 16:00:00
Bid Opening Date/Time	14-02-2022 16:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	80 (Days)
Ministry/State Name	Ministry Of Heavy Industries And Public Enterprises
Department Name	Department Of Heavy Industry
Organisation Name	Bharat Heavy Electricals Limited (bhel)
Office Name	10250020-pem, Noida
Total Quantity	300
Item Category	CABLE TRAY SUPPORT (HOT DIP GALVANISED STRUCTURAL STEEL) WELDED- ISA 50X50X6 (GALVANISED) (Q3) , CABLE TRAY SUPPORT (HOT DIP GALVANISED STRUCTURAL STEEL) WELD ISMC- 100 (GALVANISED) (Q3) , CABLE TRAY SUPPORT (HOT GALVANISED STRUCTURAL STEEL) WELDED- ISMC- 150 (GALVANISED) (Q3)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Certificate (Requested in ATC),Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Compliance of Bidder's specification and supporting document *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by buyer
Bid to RA enabled	Yes
RA Qualification Rule	50% Lowest Priced Technically Qualified Bidders
Primary product category	CABLE TRAY SUPPORT (HOT DIP GALVANISED STRUCTURAL STEEL) WELDED- ISMC- 150 (GALVANISED)
Time allowed for Technical Clarifications during technical evaluation	7 Days
Payment Timelines	Payments shall be made to the Seller within 60 days of issue of consignee receipt-cum-acceptance certificate (CRAC) and or submission of bills (This is in supersession of 10 days time as provided in clause 12 of GeM GTC)
Evaluation Method	Total value wise evaluation

EMD Detail

Required	No
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ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	5.00
Duration of ePBG required (Months).	26

(a). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

MANAGER

10250020-PEM, Noida, Department of Heavy Industry, Bharat Heavy Electricals Limited (BHEL), Ministry of Heavy Industries and Public Enterprises

(.)

Splitting

Bid splitting not applied.

MSE Purchase Preference

MSE Purchase Preference	No
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Details of the Competent Authority for MSE

Name of Competent Authority	G C THAKUR
Designation of Competent Authority	DGM
Office / Department / Division of Competent Authority	BHEL PEM NOIDA
CA Approval Number	AS PER COMPETENT AUTHORITY APPROVAL
Competent Authority Approval Date	24-01-2022
Brief Description of the Approval Granted by Competent Authority	AS PER COMPETENT AUTHORITY APPROVAL DATED 24.01.20 FOR THE SUBJECT PACKAGE AND PROJECT

Competent Authority Approval for not opting Micro and Small Enterprises Preference : [View Document](#)

MII Purchase Preference

MII Purchase Preference	Yes
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1. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchas

preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant/chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate. In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

2. Reverse Auction would be conducted amongst first 50% of the technically qualified bidders arranged in the order of prices from lowest to highest. Number of sellers eligible for participating in RA would be rounded off to next higher integer value if number of technically qualified bidders is odd (e.g. if 7 bids are technically qualified, then RA will be conducted amongst L-1 to L-4). In case number of technically qualified bidders are 2 or 3, RA will be between all with any elimination. If Buyer has chosen to split the bid amongst N sellers, then minimum N sellers would be taken to RA round. In case Primary products of only one OEM are left in contention for participation in RA based on lowest 50% bidders qualifying for RA, the number of sellers qualifying for RA would be increased to get at least products of one more OEM (directly participated or through its reseller) if available. Further, if bid(s) of any seller(s) eligible for MSE preference are coming within price band of 15% of Non MSE L-1 or if bid of any seller(s) eligible for Make in India preference is / coming within price band of 20% of non MII L-1, then such MSE / Make in India seller shall also be allowed to participate in the RA process.

CABLE TRAY SUPPORT (HOT DIP GALVANISED STRUCTURAL STEEL) WELDED- ISA 50X50X6 (GALVANISED) (85 metric tonne)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pratap Sarkar	742237, Construction Manager - BHEL site office Unit-V Sagardighi Thermal Power Project P.O. Manigram, District - Murshidabad, PIN:742237, West Bengal, India	85	999

CABLE TRAY SUPPORT (HOT DIP GALVANISED STRUCTURAL STEEL) WELDED- ISMC- 100 (GALVANISED) (50 metric tonne)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pratap Sarkar	742237,Construction Manager - BHEL site office Unit-V Sagardighi Thermal Power Project P.O. Manigram, District - Murshidabad, PIN:742237, West Bengal, India	50	999

CABLE TRAY SUPPORT (HOT DIP GALVANISED STRUCTURAL STEEL) WELDED- ISMC- 150 (GALVANISED) (165 metric tonne)

(Minimum 50% Local content required for qualifying as Class 1 Local Supplier)

Brand Type	Unbranded
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Technical Specifications

Buyer Specification Document	Download
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Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pratap Sarkar	742237,Construction Manager - BHEL site office Unit-V Sagardighi Thermal Power Project P.O. Manigram, District - Murshidabad, PIN:742237, West Bengal, India	165	999

Buyer Added Bid Specific Terms and Conditions

1. Inspection

Pre-dispatch inspection at Seller premises (Fee/Charges to be borne by the BUYER):Before dispatch the goods will be inspected by Buyer / Consignee or their Authorized Representative or by Nominated External Inspection Agency (independently or jointly with Buyer or Consignee as decided by the Buyer) at Seller premises (or at designated place for inspection as declared / communicated by the seller) for their compliance to the

contract specifications. Fee/Charges taken by the External inspection Agency and any external laboratories to charges shall be borne by the Buyer. For in-house testing, the Sellers will provide necessary facilities free of cost. Seller shall notify the Buyer through e-mail about readiness of goods for pre-dispatch inspection and Buyer will notify the Seller about the Authorized Representative/ Nominated External Inspection Agency and the date for testing. The goods would be dispatched to consignee only after clearance in pre-dispatch inspection. Consignor's right of rejection as per GTC in respect of the goods finally received at his location shall in no way be limited or waived by reason of the goods having previously been inspected, tested and passed by Buyer/ Consignee or Nominated External Inspection Agency prior to the goods' shipment. While bidding, the sellers should take into account 7 days for inspection from the date of email offering the goods for inspection. Any delay in inspection beyond 7 days shall be on the part of the buyer and shall be regularised without Liquidated Damages. When there is requirement of submission of the advance sample, the seller shall inform the buyer promptly through emails about the date of submission of sample to the buyer nominated Inspection agency.

2. Inspection

Nominated Inspection Agency: On behalf of the Buyer organization, any one of the following Inspection Agencies would be conducting inspection of stores before acceptance:

Pre-dispatch Inspection at Seller Premises (applicable only if pre-dispatch inspection clause has been selected in ATC): YES- TPI SHALL BE INFORMED SEPARATELY

Post Receipt Inspection at consignee site before acceptance of stores: NO

3. Generic

After award of contract – Successful Bidder shall have to get Detailed Design Drawings approved from buyer before starting fabrication. Successful Bidder shall submit Detailed Design Drawings for Buyer's approval, within 15 days of award of contract. Buyer shall, either approve the drawings or will provide complete list of modifications required in the drawings within 10 days. Seller shall be required to ensure supply as per approved Drawings and modifications as communicated by Buyer. If there is delay from buyer side in approval of drawing– the delivery period shall be re-fixed without LD for the period of delay in approval of Drawing.

4. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

5. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regard. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

6. Generic

Bidder shall submit the following documents along with their bid for Vendor Code Creation:

- a. Copy of PAN Card.
- b. Copy of GSTIN.
- c. Copy of Cancelled Cheque.
- d. Copy of EFT Mandate duly certified by Bank.

7. Buyer Added Bid Specific ATC

Buyer Added text based ATC clauses

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Additional Terms and Conditions (ATC)

The below mentioned terms and conditions shall supersede

terms and conditions mentioned elsewhere in tender document

- a) Scope of supply (Bid price to include all cost components) includes supply charges only.
- b) Financial PQR is not applicable.
- c) This is a conditional open tender enquiry and participation of a bidder in Reverse Auction (RA) shall be subject to the following :
 - a) Offered item should mandatorily conform to PP-MII order provisions. Terms and conditions of PP-MII order and latest amendments shall be applicable.
 - b) Qualification of Technical PQR.
 - c) Techno-Commercial recommendation by BHEL.
 - d) Approval of bidder by end customer i.e. M/s WBPDC
- d) **Payment Terms :** As per clause no. 12 (i) of GTC on GeM. However, payment will be released within 60 days after submission of complete documents (45 days for vendors qualified and registered as Micro or Small as per MSMED Act). Offline payment mode shall be selected. Supplier has to provide original+1 copy of Tax Invoice, Packing List, LR/RR or AWB, CRAC, Insurance intimation, Guarantee Certificate, E-way bill (as applicable) for payment.
- e) **Liquidated Damage :** Purchaser reserves the right to recover from the Seller/ Contractor, as agreed liquidated damages and not by way of penalty, a sum equivalent to half (½) percent and applicable GST thereon, of the contract price excluding GST per week or part thereof, subject to a maximum of ten (10) percent of the total contract price excluding GST, if the Seller/ Contractor fails to deliver any part of the ordered goods/stores within the period stipulated in the Order/ Contract.

NOTE :

- i. LR/RR date for indigenous supplies (Bill of Lading/AWB for Foreign supplies) shall be treated as the date of dispatch for levying LD. However, if receipted LR date for indigenous supply is beyond 30 days for Foreign supplies and 45 days for PTL from the date of LR (PTL to be clearly mentioned in LR), such excess period shall be considered for LD purpose irrespective of dispatch date. Import General Manifest (IGM)/Bill of entry (whichever is earlier), for foreign supplies, is beyond 90 days from the date of Bill of Lading/AWB, excess period shall be considered for LD purpose irrespective of dispatch date.
- ii. In case of any amendment/ revision, LD shall be linked to the amended/ revised contract value and delivery date(s).
- iii. If Order/ Contract involves two or more Units/ Sets/ Lots/ Stages, then Liquidated Damages shall be calculated on order/ contract value excluding GST of the delayed Unit/ Set/ Lot/ Stage, provided delivery stipulated in the Order/ Contract is Unit/ Set/ Lot/Stage wise, however total LD amount shall be limited to 10% of the order/ amended order value excluding GST of delayed Unit/ Set/ Lot/Stage. Any subsequent lot released (not envisaged in original contract) due to increase in quantity within permissible quantity variation shall be treated as separate lot for the purpose of LD.
- iv. The sum specified above is not a penalty but a genuine pre-estimate of the loss/ damage which will be incurred by the Purchaser in the event of non-delivery or delayed delivery.

suffered by purchaser on account of delay on the part of the Contractor/Seller and the said amount is deductible without proof of actual loss or damage caused by such delay.

f) **Risk & Cost Purchase**

BHEL reserves the right to terminate the contract or withdraw portion of work and get it done through other agency, at the risk and cost of the contractor after due notice of a period of 14 days' by BHEL in any of the following cases:

i) If the Seller/Contractor fails to deliver the goods or materials or any instalment thereof within the period(s) for such delivery or the Seller's poor progress of the supply/ services vis-à-vis delivery/execution timeline stipulated in the Contract, backlog attributable to seller including unexecuted portion of supply does not appear to be executable within balance available period;

ii) Delivers goods or materials not of the contracted quality and failing to adhere to the contract specifications;

iii) Withdrawal from or repudiation/ abandonment of the supply/ services by Seller before completion of contract or if the Seller refuses or is unable to supply goods or materials covered by the Order/Contract either in whole or in part or otherwise fails to perform the Order/Contract;

iv) Non-supply by the Seller within scheduled completion/delivery period as per Contract or as extended from time to time, for the reasons attributable to the Seller;

v) Termination of Contract on account of any other reason (s) attributable to Seller.

vi) Assignment, transfer, subletting of Contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.

vii) If the Seller be an individual or a sole proprietorship Firm, in the event of the death or insanity of Seller;

viii) If the Seller/Contractor being an individual or if a firm on a partnership thereof, shall at any time be adjudged insolvent or shall have a receiving order for administration of his estate made against him or take any proceeding for composition under any Insolvency Act for the time being in force or make assignment of the Order/Contract or enter into any arrangement or composition with his creditors or suspend payment or if the firm dissolved under the Partnership Act;

ix) If the Seller/Contractor being a company is wound up voluntarily or by order of a Court or a Receiver, Liquidator or Manager on behalf of the debenture holders and creditors is appointed or circumstances have arisen which entitles the Court of debenture holder and creditors to appoint a receiver, Liquidator or manager;

x) Non-compliance to any contractual condition or any other default attributable to Seller.

Such defaulting vendor/Seller shall not be eligible to participate in re-tendering conducted on account of risk purchase made due to fault of such vendor/Seller.

Risk & Cost Amount against Balance Work :

Risk & Cost amount against balance work shall be calculated as follows:

$$\text{Risk \& Cost Amount} = [(A-B) + (A \times H/100)]$$

Where,

A= Value of Balance scope of Work (*) as per rates of new contract

B= Value of Balance scope of Work (*) as per rates of old contract being paid to the contractor at the termination of contract i.e. inclusive of PVC & ORC, if any.

H = Overhead Factor to be taken as 5 In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero)

*** Balance scope of work (in case of termination of contract) :**

Difference of Contract Quantities and Executed Quantities as on the date of issue of Letter for 'Termination of Contract', shall be taken as balance scope of Work for calculating risk & cost amount.

Contract quantities are the quantities as per original contract. If, Contract has been amended, quantities as per amended Contract shall be considered as Contract Quantities.

Items for which total quantities to be executed have exceeded the Contract Quantities based on drawings issued to contractor from time to time till issue of Termination letter, then for these items total Quantities as per drawings would be deemed to be contract quantities.

Substitute/ extra items whose rates have already been approved would form part of contract quantities for this purpose. Substitute/ extra items which have been executed but rates have not been approved, would also form part of contract quantities for this purpose and rates of such items shall be determined in line with contract provisions.

However, increase in quantities on account of additional scope in new tender shall not be considered for this purpose.

NOTE : In case portion of work is being withdrawn at risk & cost of contractor instead of termination of contract, contract quantities pertaining to portion of work withdrawn shall be considered as 'Balance scope of work' for calculating Risk & Cost amount.

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

LD against delay in executed work shall be calculated in line with LD clause no. 16 of GCC, for the

delay attributable to contractor. For limiting the maximum value of LD, contract value shall be taken as Executed Value of work till termination of contract.

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

- i. Let the time period from scheduled date of start of work till termination of contract excluding period of Hold (if any) not attributable to contractor = T1
- ii. Let the value of executed work till the time of termination of contract = X
- iii. Let the Total Executable Value of work for which inputs/fronTS were made available to contractor were planned for execution till termination of contract = Y
- iv. Delay in executed work attributable to contractor i.e. T2 = $[1-(X/Y)] \times T1$
- v. LD shall be calculated in line with LD clause (clause 16) of the Contract for the delay attributable to contractor taking "X" as Contract Value and "T2" as period of delay attributable to contractor.

Recoveries arising out of Risk & Cost and LD or any other recoveries due from Contractor :

Without prejudice to the other means of recovery of such dues from the Seller recoveries from the Seller to whom risk & cost has been invoked shall be made from the following:

- a) Dues available in the form of Bills payable to seller, SD, BGs against the same contract.
- b) Dues payable to seller against other contracts in the same Region/Unit/ Division of BHEL.
- c) Dues payable to seller against other contracts in the different Region/Unit/ division of BHEL.

In-case recoveries are not possible with any of the above available options, Legal action shall be initiated against contractor.

- g) Transit Insurance shall be in BHEL scope.
- h) **Terms of Delivery :** As per cl. No. 13 of GTC on GeM (i.e. Free Delivery at site basis including loading/unloading). However, Transit insurance & unloading of items (at delivery point) shall be in the scope of buyer. Bidder to quote prices accordingly.

Further, w.r.t. Transit Insurance supplier has to inform the details of dispatches (such as Policy No., Consignment Name, Consignment Packing details, Project Name, Purchase Order No., LR No. & date, Invoice No. & Dispatch Origin & destination details etc.) to policy underwriter (whose details shall be shared post award contract).

- i) **Delivery Period :** As per enclosed **Annexure-A**. Delivery days (999 days from the date of PO) mentioned in bid shall be indicative only. However, this period shall not be considered for Delivery and Delay analysis purpose. For Delivery and delay analysis purpose, delivery schedule mentioned in enclosed Annexure-A shall be considered. Delivery shall be refixed as per schedule mentioned in Annexure-A.

- j) Bidders shall be required to submit applicable Freight % & GST % w.r.t Ex-works price included in their quoted (F.O.R) prices during clarification stage of Tender.

- k) Guarantee & Warrantee shall be as per Cl. No. 10 of GTC on GeM for the bid. However, Guarantee & Warrantee time period shall be 18 months from the date of last supply in the contract.

- l) **Quantity Variation :** Overall (%) variation in contract values due to changes in the scope shall be limited to +25%.
- m) This item/package /system falls under the list of items defined in para 3 of ministry of finance guideline dtd. 20.09.16 (Procurement of items related to Public safety, Health, Critical Security operations, Equipment etc.) & hence criteria of prior experience/Turnover shall be same for all the bidders including start-up/MSME. (i.e. No preference to start-up/MSME).

- n) W.r.t MII circular Public Procurement (preference to make in India), order dtd. 16.09.2020:

"For this procurement, the local content to categorize a supplier as a Class I local supplier / Class II Supplier /Non Local supplier and purchase preference to Class-I local supplier, is as defined in Procurement (Preference to Make in India) Order 2017 dated 16.09.2020 issued by DPIIT. In case of subsequent orders issued by the nodal ministry, changing the definition of local content for the items in this NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-I of the NIT against this NIT."

Since this package doesn't fall under clause 3 (a) of DPIIT's PP-MII order 2017, Rev dated 17.09.2020, therefore, in line with clause no 3 (b) of DPIIT's PP-MII order 2017, Rev dated 16.09.2020, "Class-I local suppliers" and "Class-II local suppliers" as defined in the order are eligible to bid.

In accordance with para 9 (a) of DPIIT's PP-MII order 2017 revision dated 16.09.2020, Class-I suppliers / "Class-II local suppliers" at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for the "Class-I local supplier" / "Class-II local supplier" as the case may be. The

also give details of the location(s) at which the local value addition is made.

- o) Nature of the package is divisible in nature and margin of purchase preference shall be 20%.

p) Bidders to ensure that Third party/Customer issued certificates being submitted as proof of qualification should have verifiable details of document/certificate issuing authority such as name designation of issuing Authority, its organization contact number and E-mail Id etc. In case the same found not available, Purchaser has the right to reject such document from evaluation.

- q) Due to COVID-19 pandemic condition prevailing in the country, BHEL/PEM may go for Remote Inspection of Offered items, if required. Vendors are requested to be equipped with the facilities/gadgets as indicated in the guidelines attached to take up the inspection REMOTELY.

Inspection call to be raised by bidder on BHEL CQIR portal (details shall be shared at the time of execution order) and Inspection agency shall attend at the inspection within seven (07) days of the date on which material is notified as being ready. In case of delay in witnessing of inspection beyond stipulated time days from the date on which the material is notified as being ready), by BHEL arising due to reasons attributable to vendor, BHEL will extend the delivery period for such delay in carrying out inspection. If BHEL is not able to witness inspection up to 15 days then in addition to delay beyond stipulated period, extension in delivery time of 07 days for arranging fresh inspection will be given.

When the tests have been satisfactorily completed at Seller/ Contractor's works, the Inspection Agency shall issue an inspection report that effect within seven (07) days after completion of the tests, but if tests were not witnessed by the Inspection Agency or his representative, the

material acceptance report would be issued within seven (07) days after receipt of the test certificate from the Purchaser.

Purchaser will issue MDCC to the Seller/ Contractor within 7 days based on inspection report and certificates/Certificate of Conformance as applicable. In case of delay in issuance of MDCC beyond stipulated time (i.e. from the date of successful inspection report), by BHEL arising due to reasons attributable to vendor, BHEL will extend the delivery period for such delay in issuing MDCC. If BHEL is not able to issue MDCC up to 15 days then in addition to delay beyond stipulated period, 7 days' add time shall be given to vendor to facilitate the vendor for arranging logistics arrangements.

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

In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per its extant policies/ guidelines".

- s) Bidders to,

- ensure compliance to Ministry of Power (MoP) Order No. 25-11/6/2018-PG dt. 02/07/2020 & Order No 11/05/2018-Coord. dt. 23/07/2020, if applicable.
- ensure compliance of Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020,
- submit "Model Certificate for Tenders" as per Annexure-III of Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020.

Note : Subsequent orders/circulars to be checked and to be complied.

- t) Dispatch Markings :

Each box shall be marked with Capital Letters in "Red" indicating: Main Supply OR Commissioning spare
Mandatory Spare for 1X 660 MW SAGARDIGHI TPP EXTENSION UNIT 5, P.O. Manigram, District - Murshidabad
PIN:742237, West Bengal, India Each package/Drum delivered under the Contract shall be marked by Su

as per details listed below and such marking must be distinct and in English Language (all previous irre markings being carefully obliterated) for purposes of identification.

Each and every box(package) shall be marked with following: -

- 1) Name and address of the consignee.
- 2) Project Reference.
- 3) Name of Supplier
- 4) P.O. reference no. along with package name.
- 5) Packing No. (1/10, 2/10, 3/10 when there are 10 packages for one consignment)
- 6) The Gross weight and net weight of the package.

Besides above necessary, packing shall bear a special marking "TOP", "BOTTOM", "DO NOT TURN OVER", "DEEP DRY", "HANDLE WITH CARE", etc.

IMPORTANT :

Two copies of respective standard manufacturer's erection instruction /operation manual shall be provided for immediate reference by BHEL site.

The Copy of complete Packing list for the consignment must be put inside the Box/Boxes.

12 copies of supplier's Erection/ Instruction manuals to be given to the BHEL, PEM, PPEI Noida and 3 copies to BHEL, PSER, Sagardighi site within 30 days of dispatch for handing over to Customer/BHEL site.

Items like pumps, Valves, Hoists, Cranes, etc. shall essentially have O&M Manuals and E&C guidelines enclosed in the packing box.

u) For bidders (who are not registered with BHEL-PEM) - For registration in BHEL PEM, Online registration is operational, Non-registered Vendors who wish to apply for registration in BHEL-PEM can apply through the Registration Portal available at www.pem.bhel.com - vendor section - Online Supplier Registration. Credentials and/or documents duly signed and stamped related to registration can be uploaded on the website and submit the application for registration. However, registration of suppliers is not mandatory in case of tender.

v) CIF is not applicable for this package.

w) Integrity Pact is not applicable.

Thanking you,

For and on behalf of BHEL
Ashish Kumar Gupta

MGR./PG-I/BHEL-PEM, Noida

ANNEXURE-A : DELIVERY SCHEDULE

Package name	BHEL Drawing No and Drawing Title	Primary/Secondary	Drg Sch for Vendors	Delivery Terms
CABLE TRAY SUPPORT SYSTEM (WELDED GALVANISED)	PE-V0-XXX-507-E907 QUALITY PLAN FOR CABLE TRAY SUPPORTS [WELDED TYPE]	Primary	R-0 within 14 days from PO & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	<p>For Lot-1 : Within (04) months from date of CAT-1 approval commencing from submission of Primary drawing/documents subjected to drawing/document submission/re-submission schedule stipulated, in case of any delay in submission/re-submission of Primary drawing/documents then same shall be reduced from the given delivery period. Delay in BHEL's comments/approval beyond 18 days shall also be considered delay analysis.</p> <p>For Subsequent Lots : Within 3 months from date of Lot clearance by BHEL.</p>

Following notes are an integral part of NIT delivery schedule :

- The end period 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 LD purposes, however BHEL may ask for early delivery without any compensation thereof.
- Non-applicable drawings shall be decided during bid evaluation of the package.
- Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT.

Thanking you,
For and on behalf of BHEL

Ashish Kumar Gupta
MGR./PG-I/BHEL-PEM, Noida

8. **Buyer Added Bid Specific ATC**

Buyer uploaded ATC document [Click here to view the file.](#)

9. **Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contract rates. Bidders are bound to accept the orders accordingly.

10. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Only supply of Goods

11. **Generic**

While generating invoice in GeM portal, the seller must upload scanned copy of GST invoice and the screenshot of GST portal confirming payment of GST.

Disclaimer

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority Buyer Organization. Buyer organization is solely responsible for the impact of these clauses on the bidding process, outcome and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specification and / or terms and conditions governing the bid. Any clause incorporated by the Buyer such as demanding Tender Sample, incorporating any clause against the MSME policy and Preference to make in India Policy, mandating any Brand names or Foreign Certification, changing the default time period for Acceptance of material or payment timeline governed by OM of Department of Expenditure shall be null and void and would not be considered part of bid. Further any reference of conditions published on any external site or reference to external documents / clauses shall also be null and void. If any seller has any objection / grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller with 5 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance with this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws.

---Thank You---

Additional Terms and Conditions (ATC)

The below mentioned terms and conditions shall supersede the terms and conditions mentioned elsewhere in tender document. :-

- a) Scope of supply (Bid price to include all cost components) includes supply charges only.
- b) Financial PQR is not applicable.
- c) This is a conditional open tender enquiry and participation of a bidder in Reverse Auction (RA) shall be subjected to the following :
 - a) Offered item should mandatorily conform to PP-MII order provisions. Terms and conditions of PP-MII order and its latest amendments shall be applicable.
 - b) Qualification of Technical PQR.
 - c) Techno-Commercial recommendation by BHEL.
 - d) Approval of bidder by end customer i.e. M/s WBPDC
- d) **Payment Terms** : As per clause no. 12 (i) of GTC on GeM. However, payment will be released within 60 days after submission of complete documents (45 days for vendors qualified and registered as Micro or Small as per MSMED Act). Offline payment mode shall be selected. Supplier has to provide original+1 copy of Tax invoice, Packing List, LR/RR or AWB, CRAC, Insurance intimation, Guarantee Certificate, E-way bill (as applicable) for payment.
- e) **Liquidated Damage** : Purchaser reserves the right to recover from the Seller/ Contractor, as agreed liquidated damages and not by way of penalty, a sum equivalent to half (½) percent and applicable GST thereon, of the supply contract price excluding GST per week or part thereof, subject to a maximum of ten (10) percent of the total supply contract price excluding GST, if the Seller/ Contractor fails to deliver any part of the ordered goods/stores within the period stipulated in the Order/ Contract.

NOTE :

- i. LR/RR date for indigenous supplies (Bill of Lading/AWB for Foreign supplies) shall be treated as the date of dispatch for levying LD. However, if receipted LR date for indigenous supply is beyond 30 days for FTL/ 45 days for PTL from the date of LR (PTL to be clearly mentioned in LR), such excess period shall be considered for LD purpose irrespective of dispatch date. Import General Manifest (IGM)/Bill of entry date (whichever is earlier), for foreign supplies, is beyond 90 days from the date of Bill of Lading/AWB, such excess period shall be considered for LD purpose irrespective of dispatch date.
- ii. In case of any amendment/ revision, LD shall be linked to the amended/ revised contract value and delivery date(s).
- iii. If Order/ Contract involves two or more Units/ Sets/ Lots/ Stages, then Liquidated Damages shall be levied on order/ contract value excluding GST of the delayed Unit/ Set/ Lot/ Stage, provided delivery stipulated in the Order/ Contract is Unit/ Set/ Lot/Stage wise, however total LD amount shall be limited to 10% of total order/ amended order value excluding GST of delayed Unit/ Set/ Lot/Stage. Any subsequent lot released (not envisaged

in original contract) due to increase in quantity within permissible quantity variation shall be treated as separate lot for the purpose of LD.

- iv. The sum specified above is not a penalty but a genuine pre-estimate of the loss/ damage which will be suffered by purchaser on account of delay on the part of the Contractor/Seller and the said amount will be deductible without proof of actual loss or damage caused by such delay.

f) Risk & Cost Purchase

BHEL reserves the right to terminate the contract or withdraw portion of work and get it done through other agency, at the risk and cost of the contractor after due notice of a period of 14 days' by BHEL in any of the following cases:

- i) If the Seller/Contractor fails to deliver the goods or materials or any instalment thereof within the period(s) fixed for such delivery or the Seller's poor progress of the supply/ services vis-à-vis delivery/execution timeline as stipulated in the Contract, backlog attributable to seller including unexecuted portion of supply does not appear to be executable within balance available period;
- ii) Delivers goods or materials not of the contracted quality and failing to adhere to the contract specifications;
- iii) Withdrawal from or repudiation/ abandonment of the supply/ services by Seller before completion as per contract or if the Seller refuses or is unable to supply goods or materials covered by the Order/Contract either in whole or in part or otherwise fails to perform the Order/Contract;
- iv) Non-supply by the Seller within scheduled completion/delivery period as per Contract or as extended from time to time, for the reasons attributable to the Seller;
- v) Termination of Contract on account of any other reason (s) attributable to Seller.
- vi) Assignment, transfer, subletting of Contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
- vii) If the Seller be an individual or a sole proprietorship Firm, in the event of the death or insanity of the Seller;
- viii) If the Seller/Contractor being an individual or if a firm on a partnership thereof, shall at any time, be adjudged insolvent or shall have a receiving order for administration of his estate made against him or shall take any proceeding for composition under any Insolvency Act for the time being in force or make any assignment of the Order/Contract or enter into any arrangement or composition with his creditors or suspend payment or if the firm dissolved under the Partnership Act;
- ix) If the Seller/Contractor being a company is wound up voluntarily or by order of a Court or a Receiver, Liquidator or Manager on behalf of the debenture holders and creditors is appointed or circumstances shall have arisen which entitles the Court of debenture holder and creditors to appoint a receiver, liquidator or manager;
- x) Non-compliance to any contractual condition or any other default attributable to Seller.

Such defaulting vendor/Seller shall not be eligible to participate in re-tendering conducted on account of risk purchase made due to fault of such vendor/Seller.

Risk & Cost Amount against Balance Work :

Risk & Cost amount against balance work shall be calculated as follows:

$$\text{Risk \& Cost Amount} = [(A-B) + (A \times H/100)]$$

Where,

A= Value of Balance scope of Work (*) as per rates of new contract

B= Value of Balance scope of Work (*) as per rates of old contract being paid to the contractor at the time of termination of contract i.e. inclusive of PVC & ORC, if any.

H = Overhead Factor to be taken as 5 In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero).

*** Balance scope of work (in case of termination of contract) :**

Difference of Contract Quantities and Executed Quantities as on the date of issue of Letter for 'Termination of Contract', shall be taken as balance scope of Work for calculating risk & cost amount.

Contract quantities are the quantities as per original contract. If, Contract has been amended, quantities as per amended Contract shall be considered as Contract Quantities.

Items for which total quantities to be executed have exceeded the Contract Quantities based on drawings issued to contractor from time to time till issue of Termination letter, then for these items total Quantities as per issued drawings would be deemed to be contract quantities.

Substitute/ extra items whose rates have already been approved would form part of contract quantities for this purpose. Substitute/ extra items which have been executed but rates have not been approved, would also form part of contract quantities for this purpose and rates of such items shall be determined in line with contractual provisions.

However, increase in quantities on account of additional scope in new tender shall not be considered for this purpose.

NOTE : In case portion of work is being withdrawn at risk & cost of contractor instead of termination of contract, contract quantities pertaining to portion of work withdrawn shall be considered as 'Balance scope of work' for calculating Risk & Cost amount.

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

LD against delay in executed work shall be calculated in line with LD clause no. 16 of GCC, for the

delay attributable to contractor. For limiting the maximum value of LD, contract value shall be taken as Executed Value of work till termination of contract.

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

- i. Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor = T1
- ii. Let the value of executed work till the time of termination of contract = X
- iii. Let the Total Executable Value of work for which inputs/fronts were made available to contractor and were planned for execution till termination of contract = Y
- iv. Delay in executed work attributable to contractor i.e. T2 = $[1-(X/Y)] \times T1$

- v. LD shall be calculated in line with LD clause (clause 16) of the Contract for the delay attributable to contractor taking "X" as Contract Value and "T2" as period of delay attributable to contractor.

Recoveries arising out of Risk & Cost and LD or any other recoveries due from Contractor :

Without prejudice to the other means of recovery of such dues from the Seller recoveries from the Seller on whom risk & cost has been invoked shall be made from the following:

- a) Dues available in the form of Bills payable to seller, SD, BGs against the same contract.
- b) Dues payable to seller against other contracts in the same Region/Unit/ Division of BHEL.
- c) Dues payable to seller against other contracts in the different Region/Unit/ division of BHEL.

In-case recoveries are not possible with any of the above available options, Legal action shall be initiated for recovery against contractor.

- g) Transit Insurance shall be in BHEL scope.
- h) **Terms of Delivery :** As per cl. No. 13 of GTC on GeM (i.e. Free Delivery at site basis including loading/unloading). However, Transit insurance & unloading of items (at delivery point) shall be in the scope of buyer. Bidder to quote prices accordingly.
Further, w.r.t. Transit Insurance supplier has to inform the details of dispatches (such as Policy No., Consignee Name, Consignment Packing details, Project Name, Purchase Order No., LR No. & date, Invoice No. & date, Dispatch Origin & destination details etc.) to policy underwriter (whose details shall be shared post award of contract).
- i) **Delivery Period :** As per enclosed **Annexure-A**. Delivery days (999 days from the date of PO) mentioned in GeM bid shall be indicative only . However, this period shall not be considered for Delivery and Delay analysis purpose. For Delivery and delay analysis purpose, delivery schedule mentioned in enclosed Annexure-A shall be considered. Delivery shall be refixed as per schedule mentioned in Annexure-A.
- J) Bidders shall be required to submit applicable Freight % & GST % w.r.t Ex-works price included in their quoted (F.O.R) prices during clarification stage of Tender.
- k) Guarantee & Warrantee shall be as per Cl. No. 10 of GTC on GeM for the bid. However, Guarantee & Warrantee time period shall be 18 months from the date of last supply in the contract.
- l) **Quantity Variation :** Overall (%) variation in contract values due to changes in the scope shall be limited +25%.
- m) This item/package /system falls under the list of items defined in para 3 of ministry of finance guideline dtd. 20.09.16 (Procurement of items related to Public safety, Health, Critical Security operations & Equipment etc.) & hence criteria of prior experience/Turnover shall be same for all the bidders including start-up/MSME. (i.e. No preference to start-up/MSE).
- n) W.r.t MII circular Public Procurement (preference to make in India), order dtd. 16.09.2020:
"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 16.09.2020 issued by DPIIT. In case of subsequent orders issued

by the nodal ministry, changing the definition of local content for the items of the NIT, the same shall be applicable even if issued after issue of this NIT, but before opening of Part-II bids against this NIT.”

Since this package doesn't fall under clause 3 (a) of DPIIT's PP-MII order 2017, Rev dated 17.09.2020, therefore, in line with clause no 3 (b) of DPIIT's PP-MII order 2017, Rev dated 16.09.2020, "Class-I local suppliers" and "Class-II local suppliers" as defined in the order are eligible to bid.

In accordance with para 9 (a) of DPIIT's PP-MII order 2017 revision dated 16.09.2020, Class-I local suppliers" / "Class-II local suppliers" at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for the "Class-I local supplier" / "Class-II local supplier" as the case may be. They shall also give details of the location(s) at which the local value addition is made.

- o) Nature of the package is divisible in nature and margin of purchase preference shall be 20%.
- p) Bidders 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, its organization contact number and E-mail Id etc. In case the same is found not available, Purchaser has the right to reject such document from evaluation.
- q) Due to COVID-19 pandemic condition prevailing in the country, BHEL/PEM may go for Remote Inspection of Offered items, if required. Vendors are requested to be equipped with the facilities/gadgets as indicated in the guidelines attached to take up the inspection REMOTELY. Inspection call to be raised by bidder on BHEL CQIR portal (details shall be shared at the of execution of order) and Inspection agency shall attend at the inspection within seven (07) days of the date on which the material is notified as being ready. In case of delay in witnessing of inspection beyond stipulated time (i.e. 7 days from the date on which the material is notified as being ready), by BHEL arising due to reasons not attributable to vendor, BHEL will extend the delivery period for such delay in carrying out inspection. If BHEL is not able to witness inspection up to 15 days then in addition to delay beyond stipulated period, extension in delivery time of 07 days for arranging fresh inspection will be given. When the tests have been satisfactorily completed at Seller/ Contractor's works, the Inspection Agency shall issue an inspection report that effect within seven (07) days after completion of the tests, but if the tests were not witnessed by the Inspection Agency or his representative, the material acceptance report would be issued within seven (07) days after receipt of the test certificates by the Purchaser.

Purchaser will issue MDCC to the Seller/ Contractor within 7 days based on inspection report/ test certificates/Certificate of Conformance as applicable. In case of delay in issuance of MDCC beyond 7 days stipulated time (i.e. from the date of successful inspection report), by BHEL arising due to reasons not attributable to vendor, BHEL will extend the delivery period for such delay in issuing MDCC. If BHEL is not able to issue MDCC up to 15 days then in addition to delay beyond stipulated period, 7 days' additional time shall be given to vendor to facilitate the vendor for arranging logistics arrangements.

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

In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/ guidelines”.

s) Bidders to,

- ensure compliance to Ministry of Power (MoP) Order No. 25-11/6/2018-PG dt. 02/07/2020 & Order No 11/05/2018-Coord. dt. 23/07/2020, if applicable.
- ensure compliance of Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020.
- submit “Model Certificate for Tenders” as per Annexure-III of Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020.

Note : Subsequent orders/circulars to be checked and to be complied.

t) Dispatch Markings :

Each box shall be marked with Capital Letters in “Red” indicating: Main Supply OR Commissioning spare OR Mandatory Spare for 1X 660 MW SAGARDIGHI TPP EXTENSION UNIT 5, P.O. Manigram, District - Murshidabad, PIN:742237, West Bengal, India Each package/Drum delivered under the Contract shall be marked by Supplier as per details listed below and such marking must be distinct and in English Language (all previous irrelevant markings being carefully obliterated) for purposes of identification.

Each and every box(package) shall be marked with following: -

- 1) Name and address of the consignee.
- 2) Project Reference.
- 3) Name of Supplier
- 4) P.O. reference no. along with package name.
- 5) Packing No. (1/10, 2/10, 3/10 when there are 10 packages for one consignment)
- 6) The Gross weight and net weight of the package.

Besides above necessary, packing shall bear a special marking "TOP", "BOTTOM", "DO NOT TURN OVER", "DEEP DRY", "HANDLE WITH CARE", etc.

IMPORTANT :

Two copies of respective standard manufacturer's erection instruction /operation manual shall be provided for immediate reference by BHEL site.

The Copy of complete Packing list for the consignment must be put inside the Box/Boxes.

12 copies of supplier's Erection/ Instruction manuals to be given to the BHEL, PEM, PPEI Noida and 3 copies to BHEL, PSER, Sagardighi site within 30 days of dispatch for handing over to Customer/BHEL site.

Items like pumps, Valves, Hoists, Cranes, etc. shall essentially have O&M Manuals and E&C guidelines duly enclosed in the packing box.

u) For bidders (who are not registered with BHEL-PEM) - For registration in BHEL PEM, Online registration portal is operational, Non-registered Vendors who wish to apply for registration in BHEL-PEM can apply through Online Registration Portal available at www.pem.bhel.com - vendor section - Online Supplier Registration. All credentials and/or documents duly signed and stamped related to registration can be uploaded on the website and submit the application for registration. However, registration of suppliers is not mandatory in case of open tender.

v) CIF is not applicable for this package.

w) Integrity Pact is not applicable.

Thanking you,

For and on behalf of BHEL

A handwritten signature in black ink, appearing to read 'Ashish', with a horizontal line underneath.

Ashish Kumar Gupta

MGR./PG-I/BHEL-PEM, Noida

ANNEXURE-A : DELIVERY SCHEDULE

Package name	BHEL Drawing No and Drawing Title	Primary/Secondary	Drg Sch for Vendors	Delivery Terms
CABLE TRAY SUPPORT SYSTEM (WELDED GALVANISED)	PE-V0-XXX-507-E907 QUALITY PLAN FOR CABLE TRAY SUPPORTS [WELDED TYPE]	Primary	R-0 within 14 days from PO & subsequent revisions within 10 days of comments received from BHEL. BHEL shall furnish comments / approval on each submission within 18 days from receipt.	For Lot-1 : Within Four (04) months from date of CAT-1 approval of Primary drawing/documents, subjected to drawing/document submission/re-submission schedule as stipulated, in case of any delay in submission/re-submission of Primary drawing/documents, then same shall be reduced from the given delivery period. Delay in BHEL's comments/approval beyond 18 days shall also be considered for delay analysis. For Subsequent Lot : Within 3 months from Lot clearance by BHEL.

Following notes are an integral part of NIT delivery schedule :

- The end period 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 LD purposes, however BHEL may ask for early deliveries without any compensation thereof.
- Non-applicable drawings shall be decided during bid evaluation of the package.
- Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT.

Thanking you,
For and on behalf of BHEL



Ashish Kumar Gupta
MGR./PG-I/BHEL-PEM, Noida

1 X 660 MW SAGARDIGHI EXTN. UNIT-V

BOQ CUM PRICE SCHEDULE FOR CABLE TRAY SUPPORT SYSTEM- GALVANISED (WELDED)

SL. NO.	ITEM CODE	ITEM DESCRIPTION	HSN CODE	UNIT	ORDERED (LOT-I) QTY	UNIT PRICE (Rs.)	TOTAL PRICE (Rs.)
1.0		CABLE TRAY SUPPORT (HOT DIP GALVANISED STRUCTURAL STEEL)					
(I)	507-33003-A	ISA 50X50X6 (GALVANISED)	7308	MT	85		
(II)	507-33005-A	ISMC- 100 (GALVANISED)	7308	MT	50		
(III)	507-33006-A	ISMC- 150 (GALVANISED)	7308	MT	165		

NOTES:

- Quantities indicated above shall be known as Order Quantities. The variation in quantities shall be as per NIT.
- Standard length of ISA/ISMC shall be 5.5 mtr to 6.5 mtrs
- The unit price quoted by bidder shall be binding for bidder for quantity variation which is at discretion of purchaser.
- Prices shall remain firm during contract execution.



**PRE-QUALIFICATION REQUIREMENTS FOR CABLE TRAY
SUPPORT SYSTEM - (WELDED) GALVANIZED
PROJECT: 1X660MW SAGARDIGHI EXTN UNIT-V**

PE-PQ-445-507-E002

REVISION NO.00 DATE 06/01/2022

SHEET NO. 1 OF 1

ITEM: STANDARD CHANNELS AND ANGLES (GALVANIZED)**SCOPE:** Supply: YES; Erection & Commissioning: NO.

1	Capability of supplying galvanized structural channels and angles for 50 MT per month.
2	Vendor has his own galvanization plant. OR Galvanization of cable tray support - welded type to be done from any BHEL-PEM approved galvanizers.
3	Supplied at least 300MT of galvanized structural channels/ angles in one or more orders and at least 100 MT in a single order.
4	Minimum two (2) nos. purchase orders for cable tray support system- welded 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 (General Points of PQR): -

- Offers of the JV companies/ Joint Bidders/ bidders having collaboration/ licensing agreement/ MOU/ Indian subsidiaries shall be evaluated as follows:
 - If bidder happens to be an Indian subsidiaries of foreign OEM, then the credentials of the foreign OEM can also be considered for meeting PQR.
 - If bidder happens to be the Joint Venture Company, then the credentials of any of JV partners can be also considered for meeting PQR.
 - If bidder happens to bid jointly with their partner, then credentials of both the partners will be considered for meeting PQR as per distribution of the work. In all such cases, lead bidder as specified in bid documents shall be responsible for overall execution of the contract and all guarantee/ warranty.
 - If bidder happens to be the having valid collaboration agreement/ MOU/ licensing agreement with some other company, then the credentials of collaborator/ MOU partner/ licensing company can also be considered for meeting PQR.

Note: If bidder(s) qualifies on the basis of credentials of his principal/ JV partner/ Collaborator/ joint bidder etc., then the principal/ JV partner/ Collaborator/ MOU partner/ joint bidder shall be responsible for overall design vetting and warranty/ guarantee of the package. The scope matrix clearly defining their respective roles including design vetting, manufacturing of critical component, E&C etc. etc. and warranty/ guarantee shall be submitted along with the offer.

- Bidder to note that the arrangement of bidding (joint bid partners/ collaborator/ MOU partner/ licensing company etc.) once offered to BHEL as a part of bidding documents cannot be changed till the execution of the project.
- Consideration of offer shall be subject to customer's approval of bidders, if applicable

PREPARED BY:**Anjali**

NAME: ANJALI
DESIGNATION: SR.
ENGINEER

CHECKED BY:**KAVITA
GUPTA**

NAME: KAVITA GUPTA
DESIGNATION:
MANAGER

REVIEWED BY:**okumar**

NAME: OMKAR KUMAR
DESIGNATION: DGM

APPROVED BY:**Debasisa
Rath**

NAME: DEBASISA RATH
DESIGNATION:
DH-ELECT(AGM)



**PRE-QUALIFICATION REQUIREMENTS FOR CABLE TRAY
SUPPORT SYSTEM - (WELDED) GALVANIZED
PROJECT: 1X660MW SAGARDIGHI EXTN UNIT-V**

PE-PQ-445-507-E002

REVISION NO.00 DATE 06/01/2022

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4. 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.
5. 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.
6. 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.

PREPARED BY:

Anjali

NAME: ANJALI
DESIGNATION: SR.
ENGINEER

CHECKED BY:

**KAVITA
GUPTA**

NAME: KAVITA GUPTA
DESIGNATION:
MANAGER

REVIEWED BY:

okumar

NAME: OMKAR KUMAR
DESIGNATION: DGM

APPROVED BY:

**Debasisa
Rath**

NAME: DEBASISA RATH
DESIGNATION:
DH-ELECT(AGM)

WEST BENGAL POWER DEVELOPMENT CO. LTD.

1X660MW SAGARDIGHI TPS, UNIT-5

VOLUME-II

TECHNICAL SPECIFICATION

FOR

***GALVANISED CABLE TRAY SUPPORT SYSTEM
(WELDED TYPE)***

SPECIFICATION NO: *PE-TS-445-507-E012*

REVISION: 0



BHARAT HEAVY ELECTRICALS LIMITED

POWER SECTOR

PROJECT ENGINEERING MANAGEMENT

NOIDA, UP (INDIA) – 201301



TECHNICAL SPECIFICATION FOR
GALVANISED CABLE TRAY SUPPORT
SYSTEM (WELDED TYPE)

SPECIFICATION NO. PE-TS-445-507-E012

VOLUME II

SECTION

REVISION 0

DATE: 06.12.2021

SHEET 1 OF 1

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Total nos. of sheets including cover & separator sheets = 14 sheets



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

SPECIFICATION NO. PE-TS- 445-507-E012

VOLUME II

SECTION I

REVISION 0

DATE: 06.12.2021

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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 other than those furnished in the 'schedule of deviations'.
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



TECHNICAL SPECIFICATION FOR
GALVANISED CABLE TRAY SUPPORT
SYSTEM (WELDED TYPE)

SPECIFICATION NO. PE-TS-445-507-E012	
VOLUME II	
SECTION I	
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SECTION – I
SPECIFIC TECHNICAL REQUIREMENTS



TECHNICAL SPECIFICATION FOR GALVANISED CABLE TRAY SUPPORT SYSTEM (WELDED TYPE)

SPECIFICATION NO. PE-TS-445-507-E012

VOLUME II

SECTION I

REVISION 0

DATE: 06.12.2021

SHEET 1 OF 1

SPECIFIC TECHNICAL REQUIREMENTS

1.0 SCOPE OF ENQUIRY

- 1.1 Manufacture, Inspection and Testing at Manufacturer's works, proper packing and delivery to site of Galvanised Cable Tray Support System (Welded Type) conforming to this specification.
- 2.2 It is not the intent to specify herein all the details of design & manufacture of material. However, the material shall, conform in all respects to high standard of design, engineering and workmanship and shall be capable of performing in at continuous commercial operation at site conditions.
- 2.3 Technical requirements of Galvanised Cable Tray Support System (Welded Type) are indicated in Data Sheet-A & Section-II.
- 2.4 The stipulation of Data Sheet-A shall prevail in case of any conflict between the stipulations of Data Sheet-A & Section-II.

3.0 BILL OF QUANTITIES

Quantity requirements shall be as per **Bill of Quantities (BOQ)** of NIT.

4.0 DRAWINGS & DOCUMENTS TO BE SUBMITTED

- 4.1 Following documents shall be submitted after placement of order for BHEL & customer's approval: -

Sl. No.	Drawings / Document Description	Document Number
1	Quality Plan for cable tray support material (Welded Type)	PE-V0-445-507-E907

- 4.2 Drawings/ documents shall be submitted through Document Management System (DMS).

Note: -

It may please be noted that successful bidder is not to make any fresh submittals at contract stage w.r.t. above mentioned drawings/documents. Standard Quality Plan and Datasheet-A as enclosed in the technical specification are to be appended with cover sheet bearing drawing/document number & description as stated above. The signed & stamped copy for the same shall be submitted by successful bidder to BHEL as per document submission schedule enclosed with specification after award of contract without making any changes in the contents of the drawing/document.



TECHNICAL SPECIFICATION FOR GALVANISED CABLE TRAY SUPPORT SYSTEM (WELDED TYPE)

SPECIFICATION NO. PE-TS-445-507-E012

VOLUME II

SECTION I

REVISION 0

DATE: 06.12.2021

SHEET 1 OF 1

DATA SHEET-A

1.0 APPLICABLE STANDARDS & CODES

- a) IS: 2062 For Structural steel.
- b) IS: 2629 For Hot dip galvanising of steel & surface pre-treatment.
- c) IS: 2633 For Testing uniformity of zinc coating.
- d) IS: 6745 For Determination of mass of zinc coating.
- e) IS: 1852 For Rolling & cutting tolerances for hot rolled steel products.
- f) IS: 4759 For Hot dip zinc coating on structural steel & other allied products.

2.0 GALVANISED CABLE TRAY SUPORT SYSTEM (WELDED):

- a) Material: Hot Rolled Mild Steel as per IS 2062
- b) Make: SAIL/ TISCO/ RINL / JINDAL STEEL/ JINDAL ISPAT/
BHUSHAN STEEL/ ESSAR/ LLOYD/ IISCO or authorised re-
rollers of SAIL
- c) Sizes:
Channels: ISMC-100, ISMC-150
Angles: ISA 50x50x6
- d) Length: Standard length of 5.5m to 6.5m.
- e) Type: Hot-dip galvanised

3.0 SURFACE TREATMENT:

Galvanizing:

- a) Pre-treatment: As per IS 2629 prior to galvanisation
- b) Type: Hot dip galvanization as per IS 2629
- c) Minimum thickness: 75 microns (minimum)
86 microns (average)
- d) Min. weight of:
Zinc deposit 610 gms. per square meter
- e) Tests for galvanizing:
 - i) Weight of zinc coating as per IS : 6745
 - ii) Thickness of zinc coating as per IS : 4759
 - iii) Uniformity of zinc coating as per IS : 2633
 - iv) Adhesion as per IS: 2629



TECHNICAL SPECIFICATION FOR
GALVANISED CABLE TRAY SUPPORT
SYSTEM (WELDED TYPE)

SPECIFICATION NO. PE-TS-445-507-E012

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SECTION II

REVISION 0

DATE: 06.12.2021

SECTION-II

STANDARD TECHNICAL REQUIREMENTS



TECHNICAL SPECIFICATION FOR GALVANISED CABLE TRAY SUPPORT SYSTEM (WELDED TYPE)

SPECIFICATION NO. PE-TS-445-507-E012

VOLUME II

SECTION II

REVISION 0

DATE: 06.12.2021

Sheet 1 of 2

1.0 CODES AND STANDARDS

- 1.1 The material shall comply with all currently applicable safety codes and statutory regulations of India as well as of the locality where the material is to be installed.
- 1.2 The material, construction, manufacture, inspection and testing of Cable Tray Support System (Welded Type) shall conform to the latest revision of relevant standards as per Data Sheet-A.
- 1.3 In case of conflict between the applicable reference standard and this specification, this specification shall govern.

2.0 TECHNICAL REQUIREMENTS

- 2.1 Hot dip galvanised MS channels and angles shall be supplied as per technical particulars of cable tray support system specified in Data Sheet – A.
- 2.2 All finished galvanised MS structural members for cable tray supports shall be free from sharp edges, corners, burs & unevenness.

3.0 QUALITY ASSURANCE, TESTING & INSPECTION

- 3.1 Bidder shall confirm compliance with the BHEL's Standard Quality Plan (PE-QP-999-507-E006 Rev 3) as attached with the specification without any deviations. At contract stage, the successful bidder shall submit the Quality Plan for BHEL/ ultimate customer's approval. In case bidder has reference Quality Plan agreed with ultimate customer, same can be submitted for specific project after award of contract for BHEL/ ultimate customer's approval. There shall be no commercial implication to BHEL on account of minor changes in Quality Plan during contract stage.
- 3.2 All materials shall be procured, manufactured, inspected and tested by vendor/ sub-vendor as per approved Quality Plan.
- 3.3 The supplier shall perform all tests necessary to ensure that the material and workmanship conform to the relevant standards and comply with the requirements of the specification. Charges for all these tests for all the equipments & components shall be deemed to be included in the bid price.

4.0 PACKING

The material shall be packed to ensure protection against damage during transit, storage for prolonged periods and handling.

5.0 DELIVERY

The delivery shall be as per NIT (Notice Inviting Tender).



TECHNICAL SPECIFICATION FOR GALVANISED CABLE TRAY SUPPORT SYSTEM (WELDED TYPE)

SPECIFICATION NO. PE-TS-445-507-E012

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SECTION II

REVISION 0

DATE: 06.12.2021

Sheet 2 of 2


6.0 DOCUMENTATION

Documents to be submitted by the bidder along with the bid:-

- a) A copy of sheet “Compliance Certificate” with bidder’s signature & company stamp.
- b) Unpriced copy of “Bill of Quantities (BOQ)” of NIT with bidder’s signature & company stamp.
- c) A copy of sheet “Datasheet-A” with bidder’s signature & company stamp.

630600/2022

MANUFACTURER/ BIDDER/ SUPPLIER NAME & ADDRESS



भारतीय भारती

STANDARD QUALITY PLAN

SPEC. NO : QP NO.: PE-QP-999-507-E006, REV. 03

DATE: 08.07.2020

CUSTOMER :

PO NO.:

PROJECT:

SECTION: II

ITEM: CABLE TRAY SUPPORT SYSTEM- WELDED(GALV)

SHEET 2 OF 3

SI. No.	COMPONENTS & OPERATIONS	CHARACTERSTICS	CLAS S	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS	
1	2	3	4	5	6		7	8	9	*	**	M	C	N	
					M	C/N									

							SLAG FLUX, STAIN ETC.				
--	--	--	--	--	--	--	-----------------------	--	--	--	--

3.0 FINISHED ITEMS													
3.1	CABLE TRAY SUPPORT SYSTEM- WELDED(GALV)	1. DIMENSIONS	MA	MEASUREMENT	IS- 2500 (PART 1) LEVEL LS-4	IS- 2500 (PART 1) LEVE LS-4	IS - 808	IS - 808	INSP.REPO RT	✓	P	W	Refer note-2
		2. SURFACE FINISH	MA	VISUAL	IS- 2500 (PART 1) LEVEL LS-4	IS- 2500 (PART 1) LEVE LS-4	-	FREE FROM BURRS, SLAG, ROUGHNESS, FLUX, STAIN ETC.	INSP.REPO RT	✓	P	W	
		3.MASS OF ZINC COATING	MA	CHEM. TEST	IS- 4759	IS- 4759	IS-6745	610 gms/ Sq m	INSP.REPO RT	✓	P	W	
		4.UNIFORMITY OF ZINC COATING	MA	CHEM. TEST	IS- 4759	IS- 4759	IS-2633	IS-2633	INSP.REPO RT	✓	P	W	
		5.THICKNESS OF ZINC COATING	MA	PHYSICAL TEST	IS- 4759	IS- 4759	Refer remarks	Refer remarks	INSP.REPO RT	✓	P	W	Refer note-5
		6.ADHESION	MA	MECH. TEST	IS- 4759	IS- 4759	IS-2629	IS-2629	INSP.REPO RT	✓	P	W	
		7.PACKING	MA	VISUAL	100%	100%	BHEL APPD. DOCUMENT	BHEL APPD. DOCUMENT	INSP.REPO RT	✓	P	W	Refer Note-6

NOTES:

- Steel shall be procured from SAIL/ TISCO/ RINL/ BHUSAN/ JINDAL ISPAT/ ESSAR/ LLOYD/ IISCO/ authorised sail re rollers.
- Length of one member of Cable Tray Support System-Welded(Galv) shall be 5.5 mtrs to 6.5 mtrs
- Welding is to be done by qualified welders in accordance with ASME Sec. IX Article III. WPS, PQR & WPQ to be reviewed during inspection.
- Galvanization is to be done at BHEL approved Galvanization Plants listed in Annexure-1 to Quality Plan.
- Thickness of zinc coating shall be 75 microns (minimum)) & 86 microns (average).

ENGINEERING

Sign & Date

Name

MANOJ KUMAR MEENA

Checked by:

MANISH SHUKLA

Reviewed by:

QUALITY

Sign & Date

Name

KUNAL GANDHI

Reviewed by:

R. K. JAISWAL

BIDDER/ SUPPLIER

Sign & Date

Seal

Doc No:

Sign & Date

Name


Seal

Reviewed by:

Approved by:

FOR CUSTOMER REVIEW & APPROVAL

630600/2022



MANUFACTURER/ BIDDER/ SUPPLIER NAME & ADDRESS

STANDARD QUALITY PLAN

SPEC. NO :
QP NO.: PE-QP-999-507-E006, REV. 03

DATE: 08.07.2020

PROJECT:

PO NO.:

ITEM: CABLE TRAY SUPPORT SYSTEM- WELDED(GALV)

SYSTEM:CABLING

SECTION: II

SI. No.	COMPONENTS & OPERATIONS	CHARACTERSTICS	CLAS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY	REMARKS	
1	2	3	4	5	6	7	8	9	**		
					M	C/N		*	M	C	N

6. Photographs of complete Cable Tray Support System-Welded (Galv) after packing to be sent to BHEL Purchase Group for review before issuing MDCC.
7. Project specific Quality Plan to be developed based on customer requirement.
8. BHEL reserves the right for conducting repeat test, if required.
9. For export job, BHEL specification for seaworthy packing for export job to be followed.
10. Packing shall be suitable for storage at site in tropical climatic conditions.
11. Latest revision/ year of issue of all the standards (IS/ASME/IEC etc.) indicated in QP shall be referred.

LEGENDS:

*Records, Identified WITH "Tick"(✓) shall be essentially included by supplier in QA Documentation, **D:** Documentation

** **M:** Supplier/ Manufacturer/ Sub-Supplier, **C:** Main Supplier/ BHEL/ Third Party Inspection Agency, **N:** Customer,

P: Perform, **W:** Witness, **V:** Verification, as appropriate

MA: Major, **MI:** Minor, **CR:** Critical

ENGINEERING

Sign & Date

Name

MANOJ KUMAR MEENA

Checked by:

MANISH SHUKLA

Reviewed by:

QUALITY

Sign & Date

Name

KUNAL GANDHI

Reviewed by:

R. K. JAISWAL

BIDDER/ SUPPLIER

Sign & Date

Seal

FOR CUSTOMER REVIEW & APPROVAL

Doc No:

Sign & Date

Name

Seal

Reviewed by:

Approved by:

SL NO.	VENDOR NAME	ADDRESS
1	Jenco Industrial Corporation	Chincholi Bunder Khkar Road Near Link Road Devruwadi Malad (W) Mumbai 400064
2	National Galvanizing Company	66, Barrackpore Kamarhatt Trunck Road Calcutta-700058
3	Sigma Galvanising Pvt. Ltd.	Plot No.C-169, TTC, MIDC Ind Area Navin Mumbai-400705
4	B.P. Projects PVT LTD	167A, Vivekananda Road Kolkata-700006
5	Standard Galvanisers	Makardah Road, Kabar Para, Bankra, Howarah -711403
6	Steel Products	National Highway No. 6, Chamrail, Kona, Howrah-711114
7	Unitech Fabricators & Engineers Pvt. Ltd.	Village- Ajab Nagar, P.O. -Molla Simlla, P.S. - Singur, Dist - Hoogly, Pin-712223
8	Shivam Engineers & Fabricators	A0-282-284, Industrial Area, South Side of G.T. Road, Ghaziabad, U.P.
9	B.G. Shirke Construction Technology Pvt. Ltd	72-76, Mundhawa, Pune - 401 036
10	Galbro Ispat Galvanizers Pvt. Ltd.	GUT 11 AND 12, OPP. Kudus Steel,Rolling Mill, Wada, Thane , Mumbai
11	Eros Metals	G-97, MIDC, Bhutibori , Nagpur
12	Industrial Perforation (India) Pvt. Ltd.	Ganganagr, Katakhal, Kolkata-700132
13	Indmark Formtech Pvt. Ltd.	Phase - 3, E - 11 / 1, M. I. D. C., Chakan, Pune - 410 501, Maharashtra, India.
14	Namdhari Industrial Traders Pvt. Ltd.	Village Latton Dana, Chandigarh Road, Ludhiana
15	Neha Galvaniser	Jalan Industrial Estate, Gate No-1, 1st Right Choise Lane, Near N.G-6, Jangalpur, PO Domjur Howrah - 700071, West Bengal, India
16	Patny Systems (P) Ltd.	Unit-IV, Sy No. -228/9, Plot No. 6, IP Kuchavaram, Toopran(M) Dist.- Medak, Telegana - 502336

SL NO.	VENDOR NAME	ADDRESS
17	Parmar Metal Company	Survey No.207,Veraval (Shapar) Dist. Rajkot, India.
18	Rukmani Electrical & Components Pvt Ltd	Urla Industrial Area, Urla Sarora Road, Raipur- 493 221 (Chhattisgarh)
	Rukmani Fab & Gal Pvt Ltd	Shankharidaha Baniyarah, Jalan Industrial Complex, Gate no.3, Lane no. 4, Domjur, Howrah , W.B .- 711411
19	DMP Projects Pvt.Ltd.	Dulagarh Industrial Park , PS-Sankrail , Howrah -711302
20	Vinfab Engineers India Private Limited	Gut no. 224/1 &2 Bhiwandi Wada State Highway, Village khupri, Dist. Thane, Maharashtra -421303
21	Saral Projects & Processors	B-1, Industrial Area, Site-II, Amawan Road Rae Bareli
22	Brahampuri Steels Limited	172 (F) Industrial Area, Jhotwara, Jaipur-302013
23	Indiana Gratings PVT. LTD	F-5, MIDC Jejuri, Pune-412 303
24	M/s AVAIDS TECHNOVATORS PVT. LTD.	131, MATSYA INDUSTRIAL AREA, ALWAR RAJASTHAN

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 WITHOUT ANY COMMERCIAL IMPLICATION TO BHEL.