



Project Engineering
Management

Bharat Heavy Electricals Limited
(A Govt. of India Undertaking)

Ref: GEM/2023/B/3496368

Date: 27/06/2023

CORRIGENDUM – 04

DUE DATE
07/07/2023
BY 15:00 PM (IST)

Project: 5X800 MW YADADRI TPS

Package: Cable Trays & Acc.

References:

- 1. Enquiry. No.: GEM/2023/B/3496368, dtd.26.05.2023**
- 2. Corr. 01 w.r.t. removal of Remote Inspection provision mentioned in GeM bid ATC terms on account of COVID-19 pandemic and bid submission due date extension upto 12.06.23**
- 3. Corr. 02 w.r.t bid submission due date extension upto 19.06.23**
- 4. Corr. 03 w.r.t bid submission due date extension upto 29.06.23**

Subject: Change in NIT Terms & due date extension

- Following modifications in 'BUYER ADDED BID SPECIFIC ATC CLAUSES' are done:
 - Following Sl. Nos. & Annexures are deleted – 3, 4, 5, 6, 8, 18 & 19 and Annexure-B & Annexure-C
 - Following Sl. Nos. & Annexures are added for consideration – 29, 30, 31, 32, 33, 34, 35, 36 & 37 and Annexure-D

Kindly refer 'BUYER ADDED BID SPECIFIC ATC CLAUSES' Rev 01 attached with this Corrigendum 04 for details. Same has been uploaded on GEM portal also.

- The due date of bid submission for subject tender is extended from existing date 29.06.2023, 03:00 pm to 07.07.2023, 03:00 pm. Part-I bids shall be opened on 07.07.2023, 03:30 pm.

All the other terms and conditions of the tender enquiry shall remain unchanged.

Thanking You

With regards

For & on behalf of BHEL

Project	5X800 MW YADADRI TPS
Package	Cable Trays & Acc.
Subject	BUYER ADDED BID SPECIFIC ATC CLAUSES
GeM Bid No.	GEM/2023/B/3496368 dated 26.05.23
Rev. 01 to BUYER ADDED BID SPECIFIC ATC CLAUSES	<p>Following Sl. Nos. & Annexures are deleted – 3, 4, 5, 6, 8, 18 & 19 and Annexure-B & Annexure-C</p> <p>Following Sl. Nos. & Annexures are added for consideration – 29, 30, 31, 32, 33, 34, 35, 36 & 37 and Annexure-D</p>

Sl. No.	TERMS & CONDITIONS									
1.	Terms of Payment	<p>Supply</p> <table border="1"> <thead> <tr> <th>Type of Seller</th> <th>Payment Terms (Number of days)</th> </tr> </thead> <tbody> <tr> <td>Micro & Small Enterprises (MSEs)</td> <td>45 days</td> </tr> <tr> <td>Medium Enterprises</td> <td>60 days</td> </tr> <tr> <td>Non MSME</td> <td>90 days</td> </tr> </tbody> </table> <p>100 % Payments shall be made to the Seller as per above schedule of issue of consignee receipt-cum-acceptance certificate (CRAC) and on-line submission of bills (This is in supersession of 10 days' time as provided in clause 12 of GeM GTC).</p> <p>Supplier has to provide Original Tax Invoice , Packing List, LR/RR or AWB, CRAC, Insurance intimation, Guarantee Certificate, E-way bill (as applicable), PVC calculation sheet and indices for payment.</p> <p>Provision of offline payment in GeM shall be utilized.</p>	Type of Seller	Payment Terms (Number of days)	Micro & Small Enterprises (MSEs)	45 days	Medium Enterprises	60 days	Non MSME	90 days
Type of Seller	Payment Terms (Number of days)									
Micro & Small Enterprises (MSEs)	45 days									
Medium Enterprises	60 days									
Non MSME	90 days									
2.	Terms of Delivery	<p>Terms of delivery shall be F.O.R. dispatch station. All dispatches shall be through Road Carriers on Freight Pre-Paid basis. Road Permit/E-way Bill if required will be arranged by Supplier. Transit insurance shall be in the scope of supplier as per GeM. However, unloading of items at delivery point shall be in the scope of BHEL. Bidder to quote prices accordingly.</p> <p>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 with a copy to BHEL.</p>								
3.	Delivery Schedule	<p>Delivery period for sake of GeM bid shall be chosen as 730 days from PO date. This is Indicative only. However, this period shall not be considered for Delivery and Delay analysis purpose.</p> <p>For Delivery and delay analysis purpose, delivery schedule mentioned below shall be considered:</p> <p>Main Supply: Within Six (06) months from date of CAT-1 approval of Primary drawing/documents or manufacturing clearance whichever is later, 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.</p> <p>Engineering Drgs./docs. applicable are as below:</p> <table border="1"> <thead> <tr> <th>Drg. No.</th> <th>Drg. Title</th> <th>Primary/Secondary</th> <th>Schedule</th> </tr> </thead> <tbody> <tr> <td>PE-V0-XXX-507-E902</td> <td>QUALITY PLAN FOR CABLE TR</td> <td>Primary</td> <td></td> </tr> </tbody> </table>	Drg. No.	Drg. Title	Primary/Secondary	Schedule	PE-V0-XXX-507-E902	QUALITY PLAN FOR CABLE TR	Primary	
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PE-V0-XXX-507-E902	QUALITY PLAN FOR CABLE TR	Primary								

			AYS & ACCESSORIES		R-0 within 14 days from PO & subsequent revisions within 10 days of comments received from BHEL.
		PE-V0-XXX-507-E011	TECHNICAL DATA SHEET FOR CABLE TRAYS & ACCESSORIES	Primary	
		PE-V0-XXX-507-E012	GA DRG. OF CABLE TRAYS & ACCESSORIES	Primary	
		PE-V0-XXX-507-E013	BOQ OF COUPLER PLATE, NUT BOLT AND WASHER, TRAY COVER ACCESSORIES (FLATS, PIPES, etc.)	Secondary	
		<p>Additional Qty. (if provided separately under Qty. var. clause of contract): Supply within four (4) months from the date of Quantity clearance by BHEL.</p> <p>Notes:</p> <ol style="list-style-type: none"> 1. Vendor to start manufacturing activities only after obtaining specific manufacturing clearance from BHEL Purchase group. 2. In case BHEL manufacturing clearance date is later than the date of Cat-1 approval of Primary drawing/documents, then the contractual delivery period will be calculated by setting off the time gap between Cat-1 approval date of Primary drawing/documents and the manufacturing clearance date, from any delay by vendor in submission/re-submission of Primary drawing/documents 3. The end period specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule. 4. The delivery conditions specified are for contractual LD purposes, however BHEL may ask for early deliveries without any compensation thereof. 5. Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT. 6. In case clearances are not accorded by BHEL within 730 days from date of PO than contractual delivery extension shall be with mutual consent of buyer & seller. 			
4	Liquidated Damage	<p>For Main Supply: 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 total 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. Additional Qty. (if provided separately under Qty. var. clause of contract) then same shall be considered as separate Main Supply lot for LD purpose.</p> <p>NOTE:</p> <ol style="list-style-type: none"> 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. 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. 			

		<p>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.</p> <p>Above LD clause shall prevail over the LD clause of GeM-GTC.</p>
5	Guarantee Terms	<p>As per Cl. No. 10 of GTC on GeM for the bid. However, time period shall be as under:</p> <p>Guarantee & Warrantee time period shall be 18 months from the date of last supply in the Main Supply scope. Additional Qty. (if provided separately under Qty. var. clause of contract) than same shall be considered as separate Main Supply scope lot.</p>
6	Quantity Variation	<p>Upto +25%, as per GEM logics.</p>
7	CIF	<p>CIF is not available for this Package.</p>
8	Bank Guarantee	<p>As per bid terms & cl. No. 7 of GeM-GTC with initial validity of 28 Months. Further, extension if any shall be as per GeM Terms. However, proportionate value of BG can be reduced on elapse of 2 months from expiry of Guarantee & Warrantee period of Respective main supply lot (as applicable due to quantity var).</p> <p>Bank Guarantees shall be from Consortium Bank as per list and directives on www.pem.bhel.com.</p> <p>In case of private sector banks, a clause to be incorporated in the text of bank guarantee that it can be enforced by being presented at any branch of the bank located in the NCR.</p>
9		<p>This is a conditional tender enquiry. Financial bid opening (Part-II) of a bidder shall be subjected to the following:</p> <p>i) Techno-Commercial evaluation by BHEL.</p> <p>ii) Qualification of Technical PQR & Financial PQR</p> <p>iii) Offered item should mandatorily conform to PP-MII order provisions.</p> <p>iv) Approval of vendor by end customer (TSGENCO). (i.e. Those bidder(s) who are approved by BHEL's customer shall be considered for evaluation. Bidders who are not approved with BHEL's customer can also quote in the tender. However, their credentials will be assessed for consideration in the tender before price bid opening)</p>
10	PVC	<p>PVC shall be applicable for the subject package. All bidders to quote as per the Price Variation Formulae enclosed with Technical Specification.</p> <p>PVC ceiling limit shall be positive (+ve) 20% and negative (-ve) unlimited</p> <p>PVC shall be payable within contractual delivery period (including any extension thereto)</p>
11		<p>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's etc.) & hence criteria of prior experience/Turnover shall be same for all the bidders including start-up/MSME</p>
12	MII Provision	<p>Bidders have to note, "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), (PPP-MII) Order 2017 dt. 16/09/2020 issued by DPIIT & Ministry of Power notification no. A-1/2021-FSC-Part(5) dtd. 16.11.21 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."</p> <p>Following point to be noted regarding verification of local content: -</p> <p>The local supplier at the time of tender, bidding or solicitation shall be required to provide a certificate w.r.t. minimum local content, in accordance with para 9 of PP-MII order revision</p>

		<p>dated 16.09.2020 & Ministry of Power notification no. A-1/2021-FSC-Part(5) dtd. 16.11.21 issued by DPIIT.</p> <p>Following may also pls. be noted by the bidders:</p> <p>a. Eligibility of Suppliers : Class I Local Supplier & Class II Local Supplier (as per para no. 3(b) of Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dt. 16/09/2020 & Ministry of Power notification no. A-1/2021-FSC-Part(5) dtd. 16.11.21 issued by DPIIT).</p> <p>b. Minimum Local Content required for qualifying a bidder as "Class I Local Supplier"/"Class II Local Supplier": As per para no. 5 of Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dt. 16/09/2020 & Ministry of Power notification no. A-1/2021-FSC-Part(5) dtd. 16.11.21 issued by DPIIT.</p> <p>c. Margin of purchase preference: As per para no. 6 of Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dt. 16/09/2020</p> <p>d. Nature of Package: Divisible</p> <p>e. MII Purchase Preference: As per para 3B of Public Procurement (Preference to Make in India), (PPP-MII) Order 2017 dt. 16/09/2020</p> <p>Note: Subsequent orders/circulars shall be applicable, if any.</p>
13		<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 and its organisation contact number and e-mail Id etc. In case the same found not available, Purchaser has right to reject such document from evaluation.</p>
14		<p>Bidders to,</p> <ul style="list-style-type: none"> - 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 to Order (Public Procurement No.4) dated 23.02.2023 released by Ministry of Finance Government of India (No.F.7/10/2021-PPD (1)) dated 23.02.2023. - ensure compliance of Ministry of Finance (MoF) Order (Public Procurement No. 1 & 2) F. No. 6/18/2019/PPD dt. 23/07/2020. - to 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. <p>Note: Subsequent orders/circulars to be checked and to be complied</p>
15	Purchase preference to Micro and Small Enterprises (MSEs)	<p>Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service.</p>

		<p>If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L 1 + 15% of margin of purchase preference /price band defined in relevant policy, such Seller(s) shall be given opportunity to match L-1 price and contract will be awarded for 30 % (#) percentage of total quantity.</p> <p>a) If L1 bidder is MSE bidder, MSE preference shall not be exercised and splitting criteria as mentioned at sl. no. 16 shall be exercised (post implementation of below note, as applicable).</p> <p>b) In case of more than one such MSE (when MSE preference is exercised), within the price band of L1 +15%, the quantity shall be shared proportionately, provided the available quantum can be split.</p> <p>Note: For concurrent application of Public Procurement Policy for Micro and Small Enterprise Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017, office memorandum No. F.1/4.2021-PPD dated 18.05.2023 shall be applicable.</p>
16	Split Criteria	<p>Bidders to note that contract of subject tender is proposed to be done with Two (02) vendors in the ratio of 70:30 value-wise at L1 price.</p> <p>L1 price (Ex-works+Freight+GST) shall be counter offered to all those techno-commercially bidders who were eligible for participation in RA process as per GEM logic, for 30% of order value. In case acceptance of counter offer is received from more than one vendor, then acceptance of counter offer for ordering shall be as per GEM CST (comparative statement) ranking post RA. If none of the bidder accepts counter-offered L1 rates, then contract shall be awarded to L1 vendor for 100% value.</p> <p>However, owing to practical constraints of maintaining standard length of tray etc. minor quantity adjustments may be done to meet the 70:30 split ratio upto maximum extent.</p> <p>Note: Above splitting criteria shall be applicable only if splitting of tendered quantities is not achieved through MSE/ MII preference.</p>
17		<p>The Bidder declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guideline.</p>

18	<p>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 as indicated in the guidelines available at :</p> <p>https://pem.bhel.com/Documents/VendorSection/Vendor/Guidelines.pdf</p> <p>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.</p> <p>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.</p> <p>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</p>													
19	<p>Bidders to mention freight/GST percentage for all the items as part of un-priced bid to be submitted along with their Techno-Commercial offer. However, negotiation/RA shall be on Total Evaluation (FOR as per GeM) price only as per GeM logics. 'Detailed Price Break up (as per Annexure -B)' of 'Total Ordering Price on GeM Portal' to be submitted by bidder prior to Order Placement. Further, bidder has to note that notes mentioned in Annexure -B shall be applicable.</p>													
20	Technical PQR & Financial PQR	Bidder has to provide the details as per TECHNICAL & FINANCIAL PQR (part of Technical Specification) in its offer and has to note that bids of only those bidders shall be evaluated who meet the Technical Pre-Qualifying requirements & Financial Pre -Qualifying Requirements. Above terms for PQR shall prevail in conflict (if any).												
21	Risk Purchase	Bidders to note that Risk Purchase clause shall be as per Annexure A, in case of default by GeM bidder.												
22	Integrity pact	<p>Integrity pact is applicable for subject package. 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.</p> <table border="1" data-bbox="384 1541 1485 1715"> <thead> <tr> <th>SI</th> <th>IEM</th> <th>Email</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Shri Otem Dai, IAS (Retd.)</td> <td>iem1@bhel.in</td> </tr> <tr> <td>2</td> <td>Shri Bishwamitra Pandey, IRAS (Retd.)</td> <td>iem2@bhel.in</td> </tr> <tr> <td>3</td> <td>Shri Mukesh Mittal, IRS (Retd.)</td> <td>iem3@bhel.in</td> </tr> </tbody> </table> <p>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.</p> <p>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.</p>	SI	IEM	Email	1	Shri Otem Dai, IAS (Retd.)	iem1@bhel.in	2	Shri Bishwamitra Pandey, IRAS (Retd.)	iem2@bhel.in	3	Shri Mukesh Mittal, IRS (Retd.)	iem3@bhel.in
SI	IEM	Email												
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2	Shri Bishwamitra Pandey, IRAS (Retd.)	iem2@bhel.in												
3	Shri Mukesh Mittal, IRS (Retd.)	iem3@bhel.in												

		<p>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:</p> <p>Details of contact person(s):</p> <table border="1" data-bbox="383 302 1540 526"> <tr> <td data-bbox="383 302 949 526"> Mr. Amit Kumar Gupta , MANAGER /PG I M/s Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 E-MAIL: amitkg@bhel.in Ph. No. 0120-4368873 </td> <td data-bbox="949 302 1540 526"> Ms. Naina Singh, Sr. MANAGER /PG I M/s Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 E-MAIL: nainasingh@bhel.in Ph. No. +91-120-4368762 </td> </tr> </table>	Mr. Amit Kumar Gupta , MANAGER /PG I M/s Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 E-MAIL: amitkg@bhel.in Ph. No. 0120-4368873	Ms. Naina Singh, Sr. MANAGER /PG I M/s Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 E-MAIL: nainasingh@bhel.in Ph. No. +91-120-4368762
Mr. Amit Kumar Gupta , MANAGER /PG I M/s Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 E-MAIL: amitkg@bhel.in Ph. No. 0120-4368873	Ms. Naina Singh, Sr. MANAGER /PG I M/s Bharat Heavy Electricals Ltd., Project Engineering Management, PPEI Building, HRD & ESI Complex, Plot No 25, Sector-16 A, Noida-201301 E-MAIL: nainasingh@bhel.in Ph. No. +91-120-4368762			
23	i.	<p>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.</p> <p>ii. Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.</p> <p>iii. The bidder is required to upload, along with the bid, all relevant certificates such as BIS license, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.</p> <p>iv. 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.</p> <p>v. Material shall be dispatched by vendor after issuance of MDCC by BHEL only.</p> <p>vi. Advance intimation of dispatch by bidder shall be given, to PEM and Insurance agency/Site</p> <p>vii. Bidders to submit applicable Freight % & GST % included in their prices during tender clarification stage.</p>		
24		<p>Evaluation shall be on the basis of total all inclusive, landed price at consignee destination (Refer cl. No. 6 of GTC on GEM). However, unloading of items (at delivery point) shall be in the scope of buyer. Bidder to quote prices accordingly.</p>		
25		<p>For bidders (who are not registered with 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.</p>		
26		<p>All other terms & conditions shall be as per Buyer added bid specific ATC, selected Additional Terms & Conditions for subject bid and GTC version available on GeM Portal on enquiry date. All the Buyer Added Bid Specific Additional Terms and Conditions shall supersede relevant terms & conditions of GeM GTC and shall prevail in case of conflict (if any).</p>		
27		<p>A bidder shall not have conflict of interest with other bidders. Such conflict of interest can lead to anti-competitive practices to the detriment of Procuring Entity's interests. The bidder found to have a conflict of interest shall be disqualified. A bidder may be considered to have a conflict of interest with one or more parties in this bidding process, if:</p> <ol style="list-style-type: none"> They have controlling partner (s) in common; or They receive or have received any direct or indirect subsidy/financial stake from any of them; or They have the same legal representative/agent for purposes of this bid; or They have relationship with each other, directly or through common third parties, <u>that puts them in a position to have access to information about or influence on the bid of another Bidder;</u> or Bidder participates in more than one bid in this bidding process. Participation by a bidder in more than one bid will result in the disqualification of all bids in which the parties are involved. <u>However, this does not limit the inclusion of the components/sub-assembly/sub-assemblies from one bidding manufacturer in more than one bid;</u> 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 authorise 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 Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the contract that is the subject of the Bid; *or*
- 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. Bidder must proactively declare such sister/common business/management units in same/similar line of business.

28 **Consignee Details** (for PRC - Provisional Receipt Certificate & CRAC - Consignee's Receipt cum Acceptance Certificate, as applicable) shall be as per Project Site official details.

CONSIGNEE ID: CON_YADADRI1

Sh. Kavila Mohan Prabhakar,
Construction Manager,
BHEL, Site Office, 5X800MW YADADRI TPS (EPC),
VEERLAPALEM, DAMARACHARLA MANDAL, NALGONDA, TELNGANA-508001

Details of Contact person for the Tender:

Mr. Amit Kumar Gupta , MANAGER /PG I
M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
PPEI Building, HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301
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29 **Delivery schedule: (Refer Annexure – D, for Stage-wise quantities)**

a. Stage-1 supply (Unit # 1 & 2): Delivery completion for Stage-1 shall be 130 days from the PO date.

b. Stage-2 supply (Unit # 3,4 &5): Delivery completion for Stage-2 shall be 310 days from the PO date.

Engineering Drgs. /docs applicable as below:

Drg. No.	Drg. Title	Primary/Secondary
PE-V0-417-507-E113	CROSS SECTION DRGS. - LT XLPE POWER CABLES	Primary
PE-V0-417-507-E913	QUALITY PLAN - LT XLPE POWER CABLES	Primary
PE-V0-417-507-E111	TECHNICAL DATA SHEET - LT XLPE POWER CABLES	Primary
PE-V0-417-507-E114	TYPE TEST CERTIFICATES - LT XLPE POWER CABLES	Secondary

Notes:

a. Supplier to start manufacturing/supply only after getting the primary engineering Drgs. /docs approved from BHEL/End Customer.

- b. The delivery date specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.
- c. The delivery conditions specified are for contractual purposes. However, to meet project requirement, BHEL may ask for early deliveries without any compensation thereof.
- d. Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT.

Document submission & Delivery schedule:

Engineering drg. approval					Delivery			
1st	1st	2nd	2nd					
Vendor Submission (Days)	BHEL comment (Days)	Vendor Submission (Days)	BHEL and Customer comment/approval (Days)	Total Engg Time (Days)	Manufacturing Time (Days) including inspection, MDCC and dispatch for Stage-1	Main Supply/ Delivery days from PO F or STAGE-1 (Unit-1 & Unit 2)	Main Supply/ Delivery days from PO F or STAGE-2 (Unit-3, Unit-4 & Unit-5)	Validity of contract
						"A" Days		"C" Days
5	0	0	5	10	120	130	310	360

30 **Validity of contract (PO rates, terms and conditions): -**

Validity of contract shall be 360 days from PO date.

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 clause no.31 below, 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.

Validity of the contract for main supply :-

Contract shall be valid for 'C' days (360 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 at point no. 2 above.
- 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.

31	<p>Delivery Extension: Extension of contractual delivery time:</p> <p>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.</p> <p>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: -</p> <ul style="list-style-type: none"> i. Any Delay in providing comments/ approval on Primary drawing/documents beyond the stipulated time as specified in NIT. ii. 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. iii. Delay in providing engineering input/material by BHEL. iv. Delay in deputing inspector for inspection and delay in release of MDCC in line with GCC/ GEM ATC terms. v. 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. <p>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.</p>
32	<p>Quantity Variation: Not applicable</p>
33	<p>Inspection, MDCC & Dispatch</p> <p>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.</p> <p>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.</p> <p>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.</p>

34	<p>Liquidated Damage</p> <p>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 total 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.</p> <p>NOTE:</p> <p>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.</p> <p>ii. In case of any amendment/ revision, LD shall be linked to the amended/ revised contract value and delivery date(s).</p> <p>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</p> <p>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.</p> <p>Above LD clause shall prevail over the LD clause of GeM GTC.</p>
35	<p>Guarantee Terms</p> <p>As per Cl. No. 10 of GTC on GeM for the bid. However, time period shall be as under:</p> <p>Guarantee & Warrantee time period shall be 18 months from the date of last supply Stage-wise.</p>
36	<p>Bank Guarantee</p> <p>As per bid terms & cl. No. 7 of GeM GTC with initial validity of 31 Months from PO date. Further, extension if any shall be as per GeM Terms. However, proportionate value of BG can be reduced on elapse of 2 months from expiry of Guarantee & Warrantee period of Respective stage</p> <p>In case of private sector banks, a clause to be incorporated in the text of bank guarantee that it can be enforced by being presented at any branch of the bank located in the NCR.</p>
37	<p>Bidders to mention freight/GST percentage for all the items as part of un-priced bid to be submitted along with their Techno-Commercial offer. However, negotiation/RA shall be on Total Evaluation (FOR as per GeM) price only as per GeM logics. 'Detailed Price Break up (as per Annexure - D)' of 'Total Ordering Price on GeM Portal' to be submitted by bidder prior to Order Placement. Further, bidder has to note that notes mentioned in Annexure - D shall be applicable.</p>

DEFAULT/ BREACH OF CONTRACT, INSOLVENCY AND RISK PURCHASE

In case of delays (beyond the maximum late delivery period as per LD clause) in supplies, or if there be defective supplies or non-fulfilment of any other terms and conditions of the Contract as enumerated subsequently in this clause, then, without prejudice to its right to recover any expenses, losses or damages to which the Buyer may be put to incur or sustain by reason of the Seller/Contractor's default or breach of Order/Contract or to suspend business dealings with the Seller/Contractor in terms of the Buyers' Guidelines for Suspension of Business Dealings as applicable from time to time, the Buyer shall also be entitled to cancel the Order/ Contract either in whole or portion thereof without compensation to Seller. On the occurrence of any of the acts/omissions mentioned below, the Buyer may if it so desires, procure upon such terms and in such manner as deemed appropriate, plant/ equipment/ stores not so delivered or others of similar description where plant/ equipment/ stores exactly complying with particulars are not, in the opinion of the Buyer (which shall be final), readily procurable, at the risk and cost of the Seller.

The Seller shall be liable to the Buyer for any excess costs incurred thereof and the Seller shall continue the performance of the Order/Contract to the extent not cancelled under the provisions of this clause. The Seller shall on no account be entitled to any gain on such repurchases. If the Bidder does not agree to this Risk Purchase clause, BHEL reserves the right to reject the bid/offer of the Bidder.

The order/contract may be cancelled in whole or part thereof and Risk & Cost Clause in line with terms and conditions of PO/Contract may be invoked by the Buyer in any of the following cases:

- i. If the Seller/Contractor fails to deliver the goods or materials or any installment 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 the Seller including unexecuted portion of supply does not appear to be executable within balance period available;
- ii. delivers goods or materials not of the contracted quality and failing to adhere to the contract specifications/execution methodology;
- iii. withdrawal from or repudiation/abandonment of the supply/services by the 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 reasons attributable to the Seller;
- v. Termination of Contract on account of any other reason(s) attributable to the Seller.
- vi. Assignment, transfer, sub-letting 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, in the event of death or insanity of the Seller.
- viii. If the Seller/Contractor being an individual or if a partnership firm 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 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 the 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.

BHEL's right to go for Risk and Cost, Calculation of Risk and Cost amount & LD, recovery options to BHEL are given in detail in Annexure-V hereto.

ANNEXURE V

(RISK AND COST CLAUSE)

1. 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-a-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.

1.1 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).

1.2 * 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.

1.3 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.

2. 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.

ANNEXURE B

(REQ-CUM-PRICE SCHEDULE FOR CABLE TRAYS & ACCESSORIES)										
YADADRI TFS (9800 MM)										
SR. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES% of TOTAL EX WORKS (INR)	TOTAL PRICES (Total Ex-works + Freight) (INR)	APPLICABLE GST RATE% ON (TOTAL EX-WORKS + FREIGHT) (INR)	TOTAL PRICE F.O. SITE (INR)
1.0		HOT DIP GALVANISED LADDER TYPE CABLE TRAY								
a)	507-21101-A	CABLE TRAY 2 MM THICK- LADDER TYPE 150W	MTR	18,150						
b)	507-21103-A	CABLE TRAY 2 MM THICK- LADDER TYPE 450W	MTR	4,600						
c)	507-21104-A	CABLE TRAY 2 MM THICK- LADDER TYPE 600W	MTR	60,600						
2.0		HOT DIP GALVANISED PERFORATED TYPE CABLE TRAY								
a)	507-21109-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 150W	MTR	24,250						
b)	507-21110-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 300W	MTR	8,050						
c)	507-21111-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 450W	MTR	7,050						
d)	507-21112-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 600W	MTR	19,500						
3.0		HOT DIP GALVANISED CABLE TRAY ACCESSORIES								
3.1		LADDER TYPE HORIZONTAL 90 DEG. BEND-600mm RADIUS								
a)	507-21020-A	LAD HO R 90DEG BEND 2 MM THICK 600 RAD 150W	NOS	488						
b)	507-21117-A	LAD HO R 90DEG BEND 2 MM THICK 600 RAD 300W	NOS	145						
c)	507-21118-A	LAD HO R 90DEG BEND 2 MM THICK 600 RAD 450W	NOS	8						
d)	507-21119-A	LAD HO R 90DEG BEND 2 MM THICK 600 RAD 600W	NOS	2,025						
3.2		LADDER TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (INSIDE)								
a)	507-21119-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 150W	NOS	190						
b)	507-21123-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 300W	NOS	310						
c)	507-21124-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 450W	NOS	6						
d)	507-21125-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 600W	NOS	265						
3.3		LADDER TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (OUTSIDE)								
a)	507-21324-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 150W	NOS	132						
b)	507-21129-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 300W	NOS	230						
c)	507-21130-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 450W	NOS	4						
d)	507-21131-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 600W	NOS	290						
3.4		LADDER TYPE TEES-600mm RADIUS								
a)	507-21135-A	LAD TEES 600MM RADIUS 2 MM THICK 300W	NOS	38						
b)	507-21136-A	LAD TEES 600MM RADIUS 2 MM THICK 450W	NOS	10						
c)	507-21137-A	LAD TEES 600MM RADIUS 2 MM THICK 600W	NOS	180						
3.5		LADDER TYPE REDUCERS								
a)	507-21147-A	LAD REDUCER (506 UHS/RHS) 2 MM THICK 450-300W	NOS	4						

(BQCC) LUMP-SUM PRICE SCHEDULE FOR CABLE TRAYS & ACCESSORIES

SER. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES% of TOTAL EX WORKS (INR)	TOTAL PRICES (Total Ex works + Freight) (INR)	APPLICABLE GST RATE% ON (TOTAL EX-WORKS + FREIGHT) (INR)	TOTAL PRICE F.O.R SITE (INR)
b)	507-21148-A	LAD REDUCER (50% LBS/RHS) 2 MM THICK 600-300W	NOS	12						
c)	507-21149-A	LAD REDUCER (50% LBS/RHS) 2 MM THICK 600-450W	NOS	28						
3.6		LADDER TYPE CROSSES								
a)	507-21141-A	LAD CROSS 600R 2MM THK 300W	NOS	2						
b)	507-21142-A	LAD CROSS 600R 2MM THK 450W	NOS	2						
c)	507-21143-A	LAD CROSS 600R 2MM THK 600W	NOS	6						
3.7		PERFORATED TYPE HORIZONTAL 90 DEG. BEND-600mm RADIUS								
a)	507-21041-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 150W	NOS	86						
b)	507-21153-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 300W	NOS	83						
c)	507-21154-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 450W	NOS	253						
d)	507-21155-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 600W	NOS	1,055						
3.8		PERFORATED TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (INSIDE)								
a)	507-21207-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 150W	NOS	430						
b)	507-21159-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 300W	NOS	670						
c)	507-21160-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 450W	NOS	2						
d)	507-21161-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 600W	NOS	185						
3.9		PERFORATED TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (OUTSIDE)								
a)	507-21208-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 150W	NOS	306						
b)	507-21165-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 300W	NOS	448						
c)	507-21166-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 450W	NOS	2						
d)	507-21167-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 600W	NOS	100						
3.10		PERFORATED TYPE TEES-600mm RADIUS								
a)	507-21171-A	PER TEE 600MM RADIUS 2 MM THICK 300W	NOS	6						
b)	507-21172-A	PER TEE 600MM RADIUS 2 MM THICK 450W	NOS	4						
c)	507-21173-A	PER TEE 600MM RADIUS 2 MM THICK 600W	NOS	150						
3.11		PERFORATED TYPE REDUCERS								
a)	507-21183-A	PER REDUCER (50% LBS/RHS) 2 MM THICK 450-300W	NOS	2						
b)	507-21184-A	PER REDUCER (50% LBS/RHS) 2 MM THICK 600-300W	NOS	4						
c)	507-21185-A	PER REDUCER (50% LBS/RHS) 2 MM THICK 600-450W	NOS	28						
3.12		PERFORATED TYPE CROSSES								

YADADRI TPS (96800 MMV)

(BOQ QUANTITY PRICE SCHEDULE FOR CABLE TRAYS & ACCESSORIES)										
SR. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (DUTY PACKED) (INR)	FREIGHT CHARGES% of TOTAL EX WORKS (INR)	TOTAL PRICES (Total Ex works + Freight) (INR)	APPLICABLE GST RATE% ON (TOTAL EX-WORKS+ FREIGHT) (INR)	TOTAL PRICE F.O. R SITE (INR)
a)	507-21177-A	PER CROSS 600R 2MM THK 300W	NOS	2						
b)	507-21178-A	PER CROSS 600R 2MM THK 450W	NOS	2						
c)	507-21179-A	PER CROSS 600R 2MM THK 600W	NOS	10						
3.13		HOT DIP GALVANISED CABLE TRAY COVER COMPLETE WITH FORMED CHANNEL, PIPE, GI FLAT, BOLTS WITH NUTS & WASHERS & FIXING HARDWARES ETC. (2mm THICK GALVANISED M/S SHEET)								
a)	507-21194-A	COVER 2.0MM THK- NON PERFORATED GALVMS 300W	MTR	700						
b)	507-21196-A	COVER 2.0MM THK- NON PERFORATED GALVMS 600W	MTR	1,625						
3.14										
a)	507-21939-A	COUPLER PLATE	NOS	2,38,896						
b)	507-21940-A	NUT	NOS	10,01,088						
c)	507-21941-A	BOLTS	NOS	10,01,088						
d)	507-21942-A	WASHER	NOS	20,02,176						

NOTES:

1. Total Quantity indicated above shall be known as Order Quantities. The total quantity variation shall be as per MIT.
2. The additional quantities (against quantity var.) may be released for manufacturing in additional lot.
3. The unit price shall apply for adjustment of variation in quantity.

1) OBJECTIVE:

To lay down the procedure for carrying out Remote Inspection of Bought-out Items (BOIs) for PEM suppliers wherever applicable.

2) SCOPE:

It will cover suppliers for packages of PEM BOIs for various project requirements.

Invitation is sent to the suppliers for remote inspection on applications like MS Teams, Webex, etc. by BHEL.

3) MINIMUM REQUIREMENTS AT SUPPLIER'S WORKS:

- i. Uninterrupted internet services
- ii. Good internet bandwidth (Min 100 Mbps)
- iii. Good resolution camera (2 nos) – one preferably CCTV (static at one place) and one hand hold (moving)
- iv. Smart phone with minimum 8MPi camera front and back both with optical zoom facility suitable for using web applications like Webex, MicroSoft (MS) Teams, etc.
- v. Computer and Scanner with good resolution
- vi. Digital signatures of supplier's Quality Engineer
- vii. Availability of web applications like Webex, MicroSoft (MS) Teams, as required.
- viii. All Test certificates, internal test reports, calibration reports, etc. for the items offered for inspection.
- ix. Availability of the above to be submitted to BHEL two days in advance before inspection.
- x. Dedicated team from supplier side for facilitating inspection requirements.
- xi. For ensuring proper visibility, the suggested Portable lighting sources (torch/ electric LED bulb of minimum 15 W) with no glare is to be ensured at offered job, location for remote inspection/testing. This is to be verified before start of the inspection.
- xii. The GPS location co-ordinates or any method to locate inspection location shall be captured indicating the location of the Vendor-Premises of remote inspection/testing.

4) MINIMUM REQUIREMENTS AT BHEL and CUSTOMER LOCATION :

- i. Uninterrupted internet services
- ii. Suitable internet bandwidth
- iii. Digital signatures wherever required.
- iv. Availability of web applications like Webex, MS Teams, etc. as required.
- v. Clearance from customer for conducting remote inspection

5) PROCEDURE:

- i. Supplier will raise the inspection call in BHEL - CQIR portal.
- ii. Supplier shall ensure availability of minimum requirements at supplier's works as mentioned above at point 3.

- iii. Before starting the inspection, the supplier shall submit the documents (TCs, internal test reports and calibration certificates as per approved QAP) two days before the date of inspection for review by BHEL and supplier shall coordinate with BHEL and if found satisfactory, inspection shall be considered for remote.
 - iv. Prior to commencement of remote inspection a pre inspection meeting shall be organised by BHEL inspector with supplier to ascertain the readiness for remote inspection.
- 6) During inspection, supplier shall share the location on Google maps for verifying the address of the manufacturer. Location may be captured by BHEL as screenshot.
- i. Inspection shall be on the basis of approved Quality Plans and associated reference documents mentioned.
 - ii. For witnessing inspection, supplier shall bring the mobile video camera near to the surface of the equipment or as per requirement of the inspector for clarity in viewing the test/ equipment which shall be the responsibility of supplier. Supplier shall ensure that proper lighting is available during live video streaming.
 - iii. Before start of the inspection, inspector shall ensure that all instruments shall have valid calibration report. Supplier shall ensure use of digital instruments preferably for inspection to the extent possible.
 - iv. Details of suppliers's dedicated team handling the remote inspection shall also be incorporated in the CQIR.
 - v. All details of inspection/ testing referred documents shall be mentioned in the CQIR. Recording of remote inspection shall be maintained by the BHEL inspector and this recording (unedited) shall be maintained at BHEL system for a minimum period of 3 years or till the warranty period whichever is later.
 - vi. PEM (Engineering) shall accord final technical clearance, in case of any deviation in inspected item noticed during inspection.
 - vii. Inspection shall be conducted by PEM-Q&BE assigned inspector along with PEM-Engg (if required). CQIR shall be prepared and maintained by PEM-Q&BE.
 - viii. PG will issue MDCC on the basis of acceptance of inspected items along with accepted packing photographs as per contract provisions.
- 7) **UNDERTAKING BY VENDOR:** Material inspected through remote inspections is meeting all technical requirements of BHEL. In case of any discrepancy from the above procedure/ material inspected, if found later, vendor will replace the materials without any cost implication to BHEL.
- 8) Vendor shall provide the signed and stamped of the above guidelines to BHEL as a token of acceptance.

TECHNICAL PQR (Page 1 of 2)

TECHNICAL PQR

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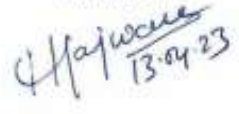


	YADADRI TPS (5X800 MW)	PE-PQ-417-507-E001
	PRE-QUALIFICATION REQUIREMENTS FOR CABLE TRAYS & ACCESSORIES	REVISION NO. 00 DATE 13/04/2023 Page 1 of 2

ITEMS: Cable trays & Accessories	
SCOPE: Supply: YES; Erection & Commissioning: NO;	
1	Vendor should have in-house fabrication & manufacturing facility.
2	Capability of manufacturing cable trays & accessories for 40 km per month.
3	Vendor has his own galvanization plant.
	OR Vendor should get galvanization of cable trays & accessories to be done from any of the BHEL-PEM approved galvanizers.
4	Manufactured & supplied at least 100 km of cable trays & accessories in one or more orders and at least 30 km in a single order.
5	Minimum two (2) nos. purchase orders for cable trays & accessories shall be submitted which should not be more than five (5) years old from date of techno-commercial bid opening for establishing continuity in business.

Notes (General points of PQR):

1. Offers of the JV companies/ Joint Bidders/ bidders having collaboration/ licensing agreement/ MOU/ Indian subsidiaries shall be evaluated as follows:
 - a. 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.
 - b. If bidder happens to be the Joint Venture Company, then the credentials of any of JV partners can be also considered for meeting PQR.
 - c. 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.
 - d. 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.

PREPARED BY  PRATIK VINAYAKA, MANAGER	CHECKED BY  N N JAJWARE, SR. MANAGER	REVIEWED BY  PRAVEEN DUTTA, AGM	APPROVED BY  DEBASISA RATH, AGM (DH)
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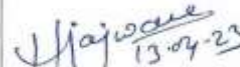


TECHNICAL PQR (Page 2 of 2)


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	YADADRI TPS (5X800 MW)	PE-PQ-417-507-E001
	PRE-QUALIFICATION REQUIREMENTS FOR CABLE TRAYS & ACCESSORIES	REVISION NO. 00 DATE 13/04/2023
		Page 2 of 2

2. 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.
3. Consideration of offer shall be subject to customer's approval of bidders, if applicable
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  13/04/23 PRATIK VINAYAKA, MANAGER	CHECKED BY  13.04.23 N N JAJWARE, SR. MANAGER	REVIEWED BY  13/4/2023 PRAVEEN DUTTA, AGM	APPROVED BY  13/4/23 DEBASISA RATH, AGM (DH)
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	<p><u>Price Variation Formulae</u></p>	<p>ANNEXURE-B</p>
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Prices shall be variable as per following PVC formulae: -

Cable Trays & Accessories	
$P = P_0/100 (20 + 58 (SBIR/SBIR_0) + 7 (Zn/Zn_0) + 15 (W/W_0))$	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.

P₀ = Price quoted/confirmed.

SBIR₀ = Price of Steel Billets- Retail (refer notes)
 This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

Zn₀ = Price of Electrolytic high grade zinc (refer notes)
 This price is as applicable on the 1st working day of the month, one month prior to the date of tendering.

W₀ = 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 (refer notes)
 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 (refer notes)
 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 the 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.

	<u>Price Variation Formulae</u>	ANNEXURE-B
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Notes:

- (a) All prices of raw materials are exclusive of modvatable excise/OV duty amount and exclusive of any other central, state or local taxes; octroi etc.
- (b) All prices are as on first working day of the month.
- (c) PVC ceiling limits shall be positive (+ve) 20% and negative (-ve) unlimited.

Land Border sharing Certificate

To,

M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301

Dear Sir,

This has reference to:

1. Our offer for Cable Trays & Accessories for 5x800 MW Yadadri TPS., Tender No. **GEM/2023/B/3496368** dated **26.05.23**
2. Order no. F. No. 6/18/2019-PPD dt. 23.07.2020 issued by Ministry of Finance, Department of Expenditure Public Procurement Division.

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India; I certify that M/s (Company Name _____) is not from such a country,
or,
if from such a country, has been registered with the competent authority. (Strike through if not applicable)

I hereby certify that M/s (Company Name _____) fulfil all requirements in this regard and is eligible to be considered for procurement on GeM.

[where applicable, evidence of valid registration by the competent authority shall be attached]

Thanking You,
Yours faithfully,

Director/Proprietor/Partner
M/s _____

LOCAL CONTENT CERTIFICATE

To,
Bharat Heavy Electricals Limited
PEM, PPEI Building, Plot No 25,
Sector 16 A, Noida (U.P)-201301

Subject: - Certification regarding local content

Reference: Tender Enquiry No.: **GEM/2023/B/3496368 dated 26.05.23**

Name of Package: Cable Trays & Accessories

Project Name: 5x800 MW Yadadri TPS

Dear Sir,

We hereby certify that items offered by us for above cited Tender Enquiry ref. [REDACTED] has local content of [REDACTED] %

Further, it is also certified that the local content % certified above is in line with definition of local content given in Public Procurement (Preference to Make in India), Order 2017-revision, having ref no. P45021/2017/-PP (BE-II) dtd. 04.06.20 & 16.09.20 and we qualify as Class [REDACTED] local supplier.

We further confirm that address of the location at which the local value addition is made will be as follows:

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Thanking You,
Yours faithfully,

M/s [REDACTED]

ANNEXURE D
YADADRI TPS (5X800 MM)

(BOQ-CUM-PRICE SCHEDULE FOR CABLE TRAYS & ACCESSORIES)

SR. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	STAGE-I QTY	STAGE-II QTY	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (OUTLY PACKED) (INR)	FREIGHT CHARGES% of TOTAL EX WORKS (INR)	TOTAL PRICES (Total Ex works + Freight) (INR)	APPLICABLE GST RATE% ON TOTAL EX WORKS + FREIGHT (INR)	TOTAL PRICE F.O.R SITE (INR)
1.0		HOT DIP GALVANISED LADDER TYPE CABLE TRAY										
a)	507-21101-A	CABLE TRAY 2 MM THICK- LADDER TYPE 150W	MTR	18,150	2,150	16,000						
b)	507-21103-A	CABLE TRAY 2 MM THICK- LADDER TYPE 450W	MTR	4,600	650	3,950						
c)	507-21104-A	CABLE TRAY 2 MM THICK- LADDER TYPE 600W	MTR	60,600	0	60,600						
2.0		HOT DIP GALVANISED PERFORATED TYPE CABLE TRAY										
a)	507-21109-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 150W	MTR	24,250	6950	17,300						
b)	507-21110-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 300W	MTR	8,050	0	8050						
c)	507-21111-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 450W	MTR	7,050	1850	5,200						
d)	507-21112-A	CABLE TRAY 2 MM THICK- PERFORATED TYPE 600W	MTR	19,500	0	19500						
3.0		HOT DIP GALVANISED CABLE TRAY ACCESSORIES										
3.1		LADDER TYPE HORIZONTAL 90 DEG. BEND-600mm RADIUS										
a)	507-21020-A	LAD HOR 90DEG BEND 2 MM THICK 600 RAD 150W	NOS	488	180	308						
b)	507-21117-A	LAD HOR 90DEG BEND 2 MM THICK 600 RAD 300W	NOS	145	30	115						
c)	507-21118-A	LAD HOR 90DEG BEND 2 MM THICK 600 RAD 450W	NOS	8	0	8						
d)	507-21119-A	LAD HOR 90DEG BEND 2 MM THICK 600 RAD 600W	NOS	2,015	600	1,425						
3.2		LADDER TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (INSIDE)										
a)	507-21319-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 150W	NOS	190	15	175						
b)	507-21123-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 300W	NOS	310	5	305						
c)	507-21124-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 450W	NOS	6	0	6						
d)	507-21125-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 600W	NOS	265	35	230						
3.3		LADDER TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (OUTSIDE)										
a)	507-21320-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 150W	NOS	132	8	124						
b)	507-21129-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 300W	NOS	230	2	228						
c)	507-21130-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 450W	NOS	4	0	4						
d)	507-21131-A	LAD VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 600W	NOS	290	70	220						
3.4		LADDER TYPE TEES-600mm RADIUS										
a)	507-21135-A	LAD TEES 600MM RADIUS 2 MM THICK 300W	NOS	18	0	18						
b)	507-21136-A	LAD TEES 600MM RADIUS 2 MM THICK 450W	NOS	10	0	10						
c)	507-21137-A	LAD TEES 600MM RADIUS 2 MM THICK 600W	NOS	180	0	180						
3.5		LADDER TYPE REDUCERS										
a)	507-21147-A	LAD REDUCER (50% LHS/RHS) 2 MM THICK 450-300W	NOS	4	0	4						
b)	507-21148-A	LAD REDUCER (50% LHS/RHS) 2 MM THICK 600-300W	NOS	12	0	12						
c)	507-21149-A	LAD REDUCER (50% LHS/RHS) 2 MM THICK 600-450W	NOS	28	0	28						
3.6		LADDER TYPE CROSSES										
a)	507-21141-A	LAD CROSS 600R 2MM THK 300W	NOS	2	0	2						

ANNEXURE D

YADADRI TPS (5X800 MM)

(BOQ-CUM-PRICE SCHEDULE FOR CABLE TRAYS & ACCESSORIES)

SR. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	STAGE-I QTY	STAGE-II QTY	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES% of TOTAL EX WORKS (INR)	TOTAL PRICES (Total Ex works + Freight) (INR)	APPLICABLE GST RATE% ON/ (TOTAL EX WORKS + FREIGHT) (INR)	TOTAL PRICE F.O.R SITE (INR)
b)	507-21142-A	LAD CROSS 600R 2MM THK 450W	NOS	2	0	2						
c)	507-21143-A	LAD CROSS 600R 2MM THK 600W	NOS	6	0	6						
3.7		PERFORATED TYPE HORIZONTAL 90 DEG. BEND-600mm RADIUS										
a)	507-21041-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 150W	NOS	86	8	78						
b)	507-21153-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 300W	NOS	83	15	68						
c)	507-21154-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 450W	NOS	253	88	165						
d)	507-21155-A	PER HOR 90DEG BEND 2 MM THICK 600 RAD 600W	NOS	1,055	365	690						
3.8		PERFORATED TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (INSIDE)										
a)	507-21207-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 150W	NOS	430	175	255						
b)	507-21159-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 300W	NOS	670	225	445						
c)	507-21160-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 450W	NOS	2	0	2						
d)	507-21161-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-INSIDE 600W	NOS	185	35	150						
3.9		PERFORATED TYPE VERTICAL 90 DEG. BEND-600mm RADIUS (OUTSIDE)										
a)	507-21208-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 150W	NOS	306	120	186						
b)	507-21165-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 300W	NOS	449	135	314						
c)	507-21166-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 450W	NOS	2	0	2						
d)	507-21167-A	PER VER 90DEG BEND 2 MM THICK 600 RAD-OUTSIDE 600W	NOS	100	5	95						
3.10		PERFORATED TYPE TEES-600mm RADIUS										
a)	507-21171-A	PER TEES 600MM RADIUS 2 MM THICK 300W	NOS	6	0	6						
b)	507-21172-A	PER TEES 600MM RADIUS 2 MM THICK 450W	NOS	4	0	4						
c)	507-21173-A	PER TEES 600MM RADIUS 2 MM THICK 600W	NOS	150	0	150						
3.11		PERFORATED TYPE REDUCERS										
a)	507-21183-A	PER REDUCER (50% LHS/RHS) 2 MM THICK 450-300W	NOS	2	0	2						
b)	507-21184-A	PER REDUCER (50% LHS/RHS) 2 MM THICK 600-300W	NOS	4	0	4						
c)	507-21185-A	PER REDUCER (50% LHS/RHS) 2 MM THICK 600-450W	NOS	28	0	28						
3.12		PERFORATED TYPE CROSSES										
a)	507-21177-A	PER CROSS 600R 2MM THK 300W	NOS	2	0	2						
b)	507-21178-A	PER CROSS 600R 2MM THK 450W	NOS	2	0	2						
c)	507-21179-A	PER CROSS 600R 2MM THK 600W	NOS	10	0	10						
3.13		HOT DIP GALVANISED CABLE TRAY COVER COMPLETE WITH FORMED CHANNEL, PIPE, GI FLAT, BOLTS WITH NUTS & WASHERS & FIXING HARDWARES ETC. (2mm THICK GALVANISED MS SHEET)										
a)	507-21194-A	COVER 2.0MM THK- NON PERFORATED GALV.MS 300W	MTR	700	0	700						
b)	507-21196-A	COVER 2.0MM THK- NON PERFORATED GALV.MS 600W	MTR	1,625	0	1,625						

ANNEXURE D

YADADRI TPS (5X800 MM)

(BOQ-CUM-PRICE SCHEDULE FOR CABLE TRAYS & ACCESSORIES)

SR. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	STAGE-I QTY	STAGE-II QTY	UNIT EX-WORKS PRICE (INR)	TOTAL EX-WORKS PRICE (DULY PACKED) (INR)	FREIGHT CHARGES% of TOTAL EX WORKS (INR)	TOTAL PRICES (Total Ex works + Freight) (INR)	APPLICABLE GST RATE% ON (TOTAL EX WORKS + FREIGHT) (INR)	TOTAL PRICE F.O.R SITE (INR)
3.14												
a)	507-21939-A	CORNER PLATE	NOS	2,39,896	19,488	2,19,408						
b)	507-21940-A	NUT	NOS	10,01,088	81,664	9,19,424						
c)	507-21941-A	BOLTS	NOS	10,01,088	81,664	9,19,424						
d)	507-21942-A	WASHER	NOS	20,02,176	1,63,328	18,38,848						

NOTES:

1.Total Quantity indicated above shall be known as Order Quantities.