

CABLE TRAY SUPPORT SYSTEM (WELDED) - YADADRI

GeM Tender Enquiry for Cable Tray Support System for Yadadri Project

Index of Annexures

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ANNEXURE - I
YADADRI TPS (5X800 MW)

(BOQ-CUM-PRICE SCHEDULE FOR CABLE TRAYS SUPPORT SYSTEM-WELDED TYPE)

SR. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	UNIT PRICE	TOTAL PRICE
a)	507-33003-A	ISA 50X50X6 (GALVANISED)	MT	120		
b)	507-33013-A	ISA 65X65X6 (GALVANISED)	MT	30		
c)	507-33005-A	ISMC 100 (GALVANISED)	MT	120		
d)	507-33006-A	ISMC 150 (GALVANISED)	MT	75		

NOTES:

- 1.Total Quantity indicated above shall be known as Order Quantities. The total quantity variation shall be as per NIT.
- 2.The quantities can be released for manufacture in more than one lot.
- 3.The bidder shall indicate the unit price for items listed as per the BOQ-Cum-Price Schedule. The unit prices shall apply for adjustment of variation in quantity.
- 4.Manufacturing of total quantities shall be done after the approval of technical and quality documentation, and supply of same shall be as per NIT.
- 5.Subsequent lots (if any) shall be cleared for manufacture based on progress of engineering and site requirements.

**TELANGANA STATE POWER GENERATION
CORPORATION LIMITED**

5X800MW YADADRI TPS

VOLUME – II

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

SPECIFICATION NO : PE-TS-417-507-E012, R0



**BHARAT HEAVY ELECTRICALS LIMITED
POWER SECTOR
PROJECT ENGINEERING MANAGEMENT
NOIDA, UP (INDIA) – 201301**



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

SPECIFICATION NO. PE-TS-417-507-E012

REVISION 00

DATE: 17.04.2021

SHEET 1 OF 1

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2.0	CONTENT	01
3.0	COMPLIANCE SHEET	01
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5.2	STANDARD QUANLITY PLAN	07

TOTAL SHEETS INCLUDING COVER SHEET, CONTENT/SEPARATOR SHEET = 17



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COMPLIANCE CERTIFICATE

REVISION 00

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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 deviations 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 the specification shall prevail).

BIDDER'S STAMP & SIGNATURE



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SECTION I

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SECTION – I

SPECIFIC TECHNICAL REQUIREMENTS



**TECHNICAL SPECIFICATION
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1.0 SCOPE OF ENQUIRY

- 1.1 This enquiry covers supply of **Cable Trays Support System (Welded type)** conforming to this specification.
- 1.2 General technical requirements of the Cable tray support system (Welded type) are indicated in Section-I. Project specific technical/ quality requirements / changes are listed in Data Sheet-A & Section-II.
- 1.3 The stipulations of Section-I, followed by those of Data Sheet-A shall prevail in case of any conflict between the stipulations of Section-I, Data Sheet - A & Section-II.

2.0 BILL OF QUANTITIES:

- 2.1 Quantity requirements shall be as per **Annexure-I (Bill of Quantities (BOQ))** of NIT.

3.0 SPECIFIC REQUIREMENTS:

3.1 Technical:

Sr. No.	Reference Clause No. of Section II (if any)	Specific Requirement/ Change
1	Clause no. 4.1	Quality plan number shall be read as PE-QP-999-507-E006, Rev-03 instead of PED-507-00-Q-007/02

3.2 Quality/ Inspection:

Sr. No.	Reference Clause No. of Section II (if any)	Specific Requirement/ Change



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ANNEXURE – A

**LIST OF DRAWINGS / DOCUMENTS
(REQUIRED TO BE FURNISHED BY SUCCESSFUL BIDDER AFTER AWARD OF CONTRACT)**

- 4.1 Drawings/ documents shall be submitted through Document Management System (DMS).
- 4.2 It may please be noted that successful bidder is not to make any fresh submittals at contract stage w.r.t. below mentioned drawings/documents. Data Sheet-A & Standard Quality Plan as enclosed in the technical specification are to be appended with cover sheet bearing drawing/document number & description as stated above. The signed & stamped for the same shall be submitted by successful bidder to BHEL within 14 days of award of contract **without making any changes in the contents of the drawing/document.**

Sl. No.	Drawings / Document Description	Document Number	Document Type	First Submission
1	Quality Plan for Cable Tray support material (Welded Type)	PE-V0-417-507-E907	Primary	R-0 within 14 days from PO & subsequent revisions within 10 days of comments received from BHEL.



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DATASHEET A

(SPECIFIC TECHNICAL REQUIREMENTS)

1.0 APPLICABLE STANDARDS:

- a) IS: 2062 For Structural steel.
- b) IS: 2629 For hot dip galvanising of steel & surface pre treatment.
- c) IS: 2633 For testing of zinc coating.
- d) IS: 6745 For determining of mass of zinc coating.
- e) IS: 1852 For rolling & cutting tolerances of hot rolled steel products.
- f) IS: 4759 For hot-dip zinc coatings on structural steel & other allied products

2.0 GALVANISED CABLE TRAY SUPPORT SYSTEM (WELDED):

- a) Material: Hot Rolled Mild Steel
- b) Length: Standard length of 5.5m to 6.5m
- c) Sizes: As per Annexure-I (BOQ cum Price schedule) attached
- d) Type: Hot-dip galvanised

3.0 SURFACE TREATMENT:

Galvanizing:

- a) Pre-treatment: As per IS 2629 prior to galvanisation
- b) Type: Hot dip galvanization
- c) Applicable Standard: IS 2629
- d) Minimum thickness: 75 microns (minimum)
- e) Min. weight of:
Zinc deposit: 610 gms. per square meter
- f) 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



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SECTION-II

STANDARD TECHNICAL REQUIREMENTS



**TECHNICAL SPECIFICATION
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1.0 GENERAL

1.1 This specification covers the design, manufacture, inspection & testing at vendor's works, packing and delivery to site of galvanised mild steel structural members to be used for Cable Tray support system (welded).

2.0 CODES & STANDARDS

2.1 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.

2.2 The design, material, construction, manufacture, inspection, testing and performance of Cable Tray support system (welded) shall conform to the latest revision of relevant standards and codes of practices.

2.3 In case of conflict between the applicable reference standard and this specification, this specification shall govern.

3.0 DESIGN REQUIREMENTS AND CONSTRUCTIONAL FEATURES

3.1 All items listed in the Bill of Quantities (Annexure-I of the NIT) shall be manufactured as per Datasheet-A.

3.2 Straight lengths of hot dip galvanised MS channels and angles of sizes indicated in Datasheet – A shall be supplied.

3.3 All finished galvanised MS structural members for cable tray supports shall be free from sharp edges, corners, burs & unevenness.

4.0 QUALITY/INSPECTION

4.1 BHEL's Standard QP (QP NO. PED-507-00-Q-007/02) is enclosed for reference. However, at contract stage, the successful bidder shall submit the QP for BHEL/ ultimate customer's approval. In case bidder has reference QP 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 QP approval.

4.2 All materials shall be procured, manufactured, inspected and tested by vendor/ sub-vendor as per approved quality plan.

4.3 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 equipment & components shall be deemed to be included in the bid price.

5.0 PACKING

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

6.0 DELIVERY

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



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7.0 DOCUMENTATION

7.1 Documents to be submitted by the bidder along with the bid.

- a) A copy of sheet "Contents" with bidder's signature & company stamp
- b) A copy of sheet "Compliance Sheet" with bidder's signature & company stamp.
- c) Unpriced copy of "Annexure-I (BOQ – Cum- Price Schedule for Cable Trays & Accessories)" with bidder's signature & company stamp.
- d) A copy of sheet "No Deviation Sheet" with bidder's signature & company stamp.

No other documentation is required to be submitted as technical offer. Any information contained in other parts of the offer (e.g. covering letter, annexures, etc.) which is deviating from specification requirements in any way shall not be considered by BHEL as part of offer.

7.2 Documents to be submitted by successful bidder after award of contract shall be as per Annexure-A.



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SECTION II

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DATE: 17.04.2021

STANDARD QUALITY PLAN

		MANUFACTURING QUALITY PLAN				SPEC. NO: PE-TS-417-507-E012, R0				
		CUSTOMER/CLIENT:				QP NO.:			DATE:	
		PROJECT:				PO NO.:			DATE:	
		ITEM: CABLE TRAY SUPPORT SYSTEM – WELDED (GALV)		ITEM CATEGORY: II		SHEET 1 of 5				

SL NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK		REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD		AGENCY			REMARKS
					M	C/ N			9	* D	**			
1	2	3	4	5	6		7	8	9	* D	**			
1.0		RAW MATERIAL INSPECTION												
1.1	MILD STEEL SECTION(CHANNEL & ANGLE)	1.CHEM. & PHY.PROPERTIES	MA	VERIFICATION OF TS	100%	-	IS – 2062	IS – 2062	MILL TC	√	P/V	V	V	REFERE NOTE - 1
		2.DIMENSIONS	MA	MEASUREMENT	100%	-	IS – 808	IS – 808	QC RECORD		P	-	-	
		3. SURFACE FINISH	MA	VISUAL	100%	-	IS – 1079	IS – 1079	QC RECORD		P	-	-	
1.2	ZINC	CHEM.COMP	MA	CHEM TEST	EACH TRAY	-	IS - 209	IS - 209	TC	√	P/V	V	V	
2.0 IN PROCESS														
2.1	CUTTING	1. DIMENSIONS	MA	MEASUREMENT	100%	-	REFER REMARKS	REFER REMARKS	QC RECORD	√	P	V	V	REFER NOTE 2
		2.WELDING QUALITY(IF APPLICABLE)	MA	VISUAL	100%	-	ASME SEC. IX	ASME SEC. IX	QC RECORD	√	P	V	V	REFER NOTE 3
		3.SURFACE FINISH	MA	VISUAL	100%	-	-	FREE FROM DEFECTS & SLAG	QC RECORD	√	P	V	V	

SUPPLIER			BHEL			FOR CUSTOMER REVIEW & APPROVAL			
QUALITY ASSURANCE			PEM			Doc No:			
Sign & Date	Name		Reviewed by:	SURYA DEV	Digitally signed by SURYA DEV DN: cn=SURYA DEV, o=BHEL, ou=PS-PEM NOIDA, email=suryadev@bhel.in, c=IN Date: 2021.12.21 17:46:19 +05'30'	Sign & Date		Name	
Prepared by:						Approved by:			
Reviewed by:									

		MANUFACTURING QUALITY PLAN			SPEC. NO: PE-TS-417-507-E012, R0		
		CUSTOMER/CLIENT:			QP NO.:		DATE:
		PROJECT:			PO NO.:		DATE:
		ITEM: CABLE TRAY SUPPORT SYSTEM – WELDED (GALV)		ITEM CATEGORY: ■	SHEET 2 of 5		

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					M	C/ N				*	D	M	C	
1	2	3	4	5	6		7	8	9		**			
					M	C/ N				D	M	C	N	
2.2	SURFACE PREPARATION	1.CLEANING, PICKLING & RINSING & FLUXING	MA	VISUAL	100%	-	IS: 2629	IS: 2629	QC RECORD		P	-	-	
		2.SURFACE FINISH	MA	VISUAL	100%	-	IS: 2629	IS: 2629	QC RECORD		P	-	-	
2.3	GALVANISING	1.TEMPERATURE OF ZINC BATH	MA	MEASUREMENT	CONTINUOUS	-	IS: 2629	IS: 2629	QC RECORD		P/V	-	-	REFERNOTE - 4
		2.DROSS	MA	VISUAL	PERIODIC	-	IS: 2629	IS: 2629	QC RECORD		P/V	-	-	
		3.RATE OF IMMERSION	MA	VISUAL	100%	-	IS: 2629	IS: 2629	QC RECORD		P/V	-	-	
		4.SURFACE FINISH	MA	VISUAL	100%	-	IS: 2629	FREE FROM BURRS, ROUGHNESS	QC RECORD		P/V	-	-	

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	Sign & Date	Name				Sign & Date		Name
Prepared by:			Reviewed by:	SURYA DEV	Digitally signed by SURYA DEV DN: cn=SURYA DEV, o=BHEL, ou=PS-PEM NOIDA, email=suryadev@bhel.in, c=IN Date: 2021.12.21 17:46:47 +05'30'	Approved by:		
Reviewed by:								

	MANUFACTURING QUALITY PLAN				SPEC. NO: PE-TS-417-507-E012, R0					
	CUSTOMER/CLIENT:				QP NO.:				DATE:	
	PROJECT:				PO NO.:				DATE:	
	ITEM: CABLE TRAY SUPPORT SYSTEM – WELDED (GALV)				ITEM CATEGORY: II		SHEET 3 of 5			

SL NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	TYPE OF CHECK	QUANTUM OF CHECK	REFERENCE DOCUMENT	ACCEPTANCE NORMS	FORMAT OF RECORD	AGENCY	REMARKS
1	2	3	4	5	6		8	9	*	**
					M	C/ N			D	M C N

3.0 FINISHED ITEMS

3.1	CABLE TRAY SUPPORT SYSTEM – WELDED (GALV)	1.DIMENSIONS	MA	MEASUREME NT	IS-2500(P ART 1) LEVEL S-4)	IS-2500(P ART 1) LEVEL S-4)	IS - 808	IS - 808	INSP. REPORT	√	P	W	V	REFER NOTE - 2
		2.SUREFACE FINISH	MA	VISUAL	IS-2500(P ART 1) LEVEL S-4)	IS-2500(P ART 1) LEVEL S-4)	-	FREE FROM BURRS, SLAG, ROUGHNESS, FLUX, STAIN ETC.	INSP.REPO RT	√	P	W	V	
		3.MASS OF ZINC COATING	MA	CHEM. TEST	IS – 4759	IS – 4759	IS – 6745	610 GMS/SQ.M	INSP.REPO RT	√	P	W	V	
		4.UNIFORMITY OF ZINC COATING	MA	CHEM. TEST	IS – 4759	IS – 4759	IS – 2633	IS – 2633	INSP.REPO RT	√	P	W	V	
		5.THICKNESS OF ZINC COATING	MA	PHYSICAL TEST	IS – 4759	IS – 4759	REFER REMARKS	REFER REMARKS	INSP.REPO RT	√	P	W	V	REFER NOTE – 5

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Prepared by:						Approved by:			
Reviewed by:									

	MANUFACTURING QUALITY PLAN		SPEC. NO: PE-TS-417-507-E012, R0	
	CUSTOMER/CLIENT:		QP NO.:	DATE:
	PROJECT:		PO NO.:	DATE:
	ITEM: CABLE TRAY SUPPORT SYSTEM – WELDED (GALV)	ITEM CATEGORY: II	SHEET 4 of 5	

SL NO.	COMPONENT & OPERATIONS	CHARACTERISTICS	CLASS	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				D	M	C	N	
		6.ADHESION	MA	MECH. TEST	IS – 4759	IS – 4759	IS – 2629	IS – 2629	INSP.REPORT	√	P	W	V	
		7.PACKING	NA	VISUAL	100%	100%	TECH SPEC	TECH SPEC	INSP.REPORT	√	P	W	V	REFER NOTE - 6

LEGENDS:

*RECORDS, IDENTIFIED WITH "TICK"(√) SHALL BE ESSENTIALLY INCLUDED BY SUPPLIER IN QA DOCUMENTATION,
 ** M: SUPPLIER/ MANUFACTURER/ SUB-SUPPLIER, C: MAIN SUPPLIER/ BHEL/ THIRD PARTY INSPECTION AGENCY, N: TSGENCO, D: DOCUMENTATION
 P: PERFORM, W: WITNESS, V: VERIFICATION, AS APPROPRIATE
 MA: MAJOR, MI: MINOR, CR: CRITICAL

NOTES: -

- 1) Steel Shall be Procured from SAIL/RINL/TISCO/JINDAL/ESSAR.
- 2) Length of one member of cable tray support – welded (galv) shall be 5.5 mtrs to 6.5 Mtrs
- 3) Welding is to be done by qualified welders in accordance with ASME Sec.IX Article III.WPS,PQR & WPC to be reviewed During Inspection.
- 4) Galvanization is to be done at BHEL Approved Galvanisation Plants Listed in Annexure – 1 to Quality Plan in Technical Specification.
- 5). Thickness of Zinc Coating shall be 75 Microns (Minimum) & 86 Microns (Average)
- 6). Photographs of Complete Cable Tray Support Sysytem-welded (Galv) after packing to be sent to BHEL Purchase Group for Review before issuing MDCC

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Prepared by:			Reviewed by:		Approved by:		
Reviewed by:							

		MANUFACTURING QUALITY PLAN			SPEC. NO: PE-TS-417-507-E012, R0		
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		ITEM: CABLE TRAY SUPPORT SYSTEM – WELDED (GALV)		ITEM CATEGORY: II		SHEET 5 of 5	

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1	2	3	4	5	6	7	8	9	*	**
					M C/ N				D	M C N

- 7). Statutory requirements will be complied..
- 8). BHEL Reserves the right for conducting repeat test, if required
- 9). Instruments used for test shall have valid calibration certificate with tractability to national level..
- 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.

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Prepared by:			Reviewed by:			Approved by:			
Reviewed by:									

**ANNEXURE-2 to Quality Plan
(LIST OF BHEL- PEM APPROVED GALVANIZERS)**

SL. NO.	ITEM	VENDOR NAME	ADDRESS
1	Galvanising	Jenco Industrial Corporation	Chincholi Bunder Khkar Road Near Link Road Devruwadi Malad (W) Mumbai 400064
2	Galvanising	National Galvanizing Company	66, Barrackpore Kamarhatt Trunck Road Calcutta-700058
3	Galvanising	Sigma Galvanising Pvt. Ltd.	Plot No.C-169, TTC, MIDC Ind Area Navin Mumbai-400705
4	Galvanising	B.P. Projects PVT LTD	167A, Vivekananda Road Kolkata-700006
5	Galvanising	Standard Galvanisers	Makardah Road, Kabar Para, Bankra, Howarah -711403
6	Galvanising	Steel Products	National Highway No. 6, Chamrail, Kona, Howrah-711114
7	Galvanising	Unitech Fabricators & Engineers Pvt. Ltd.	Village- Ajab Nagar, P.O. -Molla Simla, P.S. - Singur, Dist - Hoogly, Pin-712223
8	Galvanising	Shivam Engineers & Fabricators	A0-282-284, Industrial Area, South Side of G.T. Road, Ghaziabad, U.P.
9	Galvanising	B.G. Shirke Construction Technology Pvt. Ltd	72-76, Mundhawa, Pune - 401 036
10	Galvanising	Galbro Ispat Galvanizers Pvt. Ltd.	GUT 11 AND 12, OPP. Kudus Steel,Rolling Mill, Wada, Thane , Mumbai
11	Galvanising	Eros Metals	G-97, MIDC, Bhutibori , Nagpur
12	Galvanising	Industrial Perforation (India) Pvt. Ltd.	Ganganagr, Katakhal, Kolkata-700132
13	Galvanising	Indmark Formtech Pvt. Ltd.	Phase - 3, E - 11 / 1, M. I. D. C., Chakan, Pune - 410 501, Maharashtra, India.
14	Galvanising	Namdhari Industrial Traders Pvt. Ltd.	Village Latton Dana, Chandigarh Road, Ludhiana
15	Galvanising	Neha Galvaniser	Jalan Industrial Estate, Gate No-1, 1st Right Choise Lane, Near N.G-6,
16	Galvanising	Patny Systems (P) Ltd.	Unit-IV, Sy No. -228/9, Plot No. 6, IP Kuchavaram, Toopran(M) Dist.- Medak, Telegana - 502336
17	Galvanising	Parmar Metal Company	Survey No.207,Veraval (Shapar) Dist. Rajkot, India.
		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	Galvanising	DMP Projects Pvt.Ltd.	Dulagarh Industrial Park , PS-Sankrail , Howrah -711302
18	Galvanising		
20	Galvanising	Vinfab Engineers India Private Limited	Gut no. 224/1 &2 Bhiwandi Wada State Highway, Village khupri, Dist. Thane,
21	Galvanising	Saral Projects & Processors	B-1, Industrial Area, Site-II, Amawan Road Rae Bareli
22	Galvanising	Brahampuri Steels Limited	172 (F) Industrial Area, Jhotwara, Jaipur-302013
23	Galvanising	Indiana Gratings PVT. LTD	F-5, MIDC Jejuri, Pune-412 303
24	Galvanising	M/s AVAIDS TECHNOVATORS PVT. LTD.	131, MATSYA INDUSTRIAL AREA, ALWAR RAJASTHAN

NOTES:

1. VENDOR CAN PROPOSE ADDITIONAL SOURCE OF GALVANIZERS WITH COMPLETE CREDENTIALS ALONG WITH BID WHICH SHALL BE REVIEWED AND ASSESSED BY BHEL/CUSTOMER. NON-ACCEPTANCE OF ADDITIONAL GALVANIZERS BY BHEL/CUSTOMER SHALL HAVE NO COMMERCIAL IMPLICATION TO BHEL. IN CASE OF NON ACCEPTANCE OF ADDITIONAL GALVANIZERS BY CUSTOMER, ABOVE LIST SHALL BE APPLICABLE. IN CASE OF NON-COMPLIANCE TO THIS REQUIREMENT, BID IS LIKELY TO BE REJECTED.



YADADRI TPS (5X800 MW)

PE-PQ-417-507-E002

PRE-QUALIFICATION REQUIREMENTS FOR
CABLE TRAY SUPPORT SYSTEM-
WELDED (GALVANIZED)

REVISION NO. 00 DATE 28/06/2022

Page 1 of 2

ITEMS: 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 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:

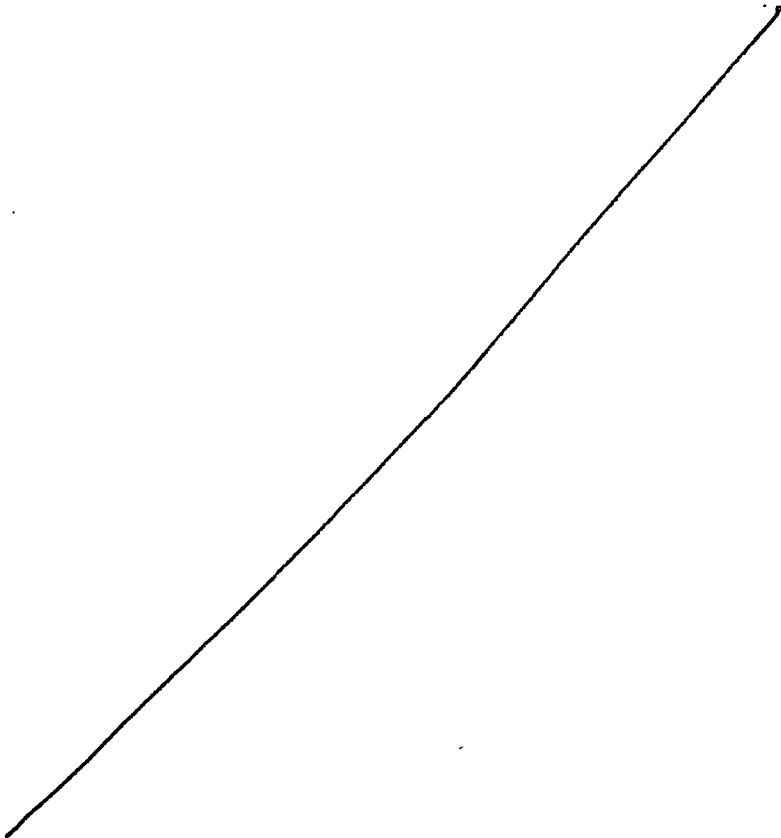
- If bidder happens to be an Indian subsidiaries of foreign OEM, then the credentials of the foreign OEM can also be considered for meeting PQR.
- If bidder happens to be the Joint Venture Company, then the credentials of any of JV partners can be also considered for meeting PQR.
- If bidder happens 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.

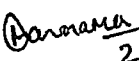
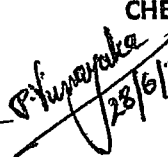
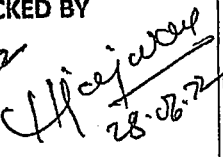


Note: If bidder(s) qualifies on the basis of credentials of his principal/ JV partner/ Collaborator/ joint bidder etc., then the principal/ JV partner/ Collaborator/ MOU partner/ joint bidder shall be responsible for overall design vetting and warranty/ guarantee of the package. The scope matrix clearly 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.

PREPARED BY	CHECKED BY	REVIEWED BY	APPROVED BY
 28/06/2022 MANORAMA SINGH, DY. ENGINEER	 28/6/22 28-06-22 PRATIK VINAYAKA (DY. MGR) / N N JAJWARE (SR.MGR)	 28/6/2022 PRAVEEN DUTTA, AGM	 28/6/22 DEBASISA RATH, AGM (DH)

	YADADRI TPS (5X800 MW)	PE-PQ-417-507-E002
	PRE-QUALIFICATION REQUIREMENTS FOR CABLE TRAY SUPPORT SYSTEM- WELDED (GALVANIZED)	REVISION NO. 00 DATE 28/06/2022
		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  28/06/2022 MANORAMA SINGH, DY. ENGINEER	CHECKED BY  28/6/22  28-06-22 PRATIK VINAYAKA (DY. MGR) / N N JAJWARE (SR.MGR)	REVIEWED BY  28/6/2022 PRAVEEN DUTTA, AGM	APPROVED BY  28/6/22 DEBASISA RATH, AGM (DH)
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Project: - 5 X 800 MW YADADRI TPS
Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
Dtd. 27.07.2022

ANNEXURE –I

Additional clauses of NIT

1. Dispatch Markings: -

Each box shall be marked with Capital Letters in “Red” indicating the PEM supply (Main Supply OR Commissioning spare) for **1 X 800 MW YADADRI TPS**. Each package delivered under the Contract shall be marked by Supplier and such marking must be distinct and in English Language (all previous irrelevant markings being carefully obliterated). Such marking shall show the description and quantity of contents, the name and address of consignee, the Gross weight and Net weight of the package, the name of the Supplier, PEM P.O. reference number, with a distinctive number of mark sufficient for purposes of identification. Besides above necessary, packing shall bear a special marking ‘TOP’, ‘BOTTOM’, ‘DO NOT TURN OVER”, “KEEP DRY”, “HANDLE WITH CARE”, etc.

IMPORTANT

- Two copies of respective standard manufacturer’s erection instruction/operation instruction manual shall be kept in each package / container for immediate reference by BHEL site and same shall be reflected in packing slip also
- The Packing list details for the consignment must be put inside the Box/Boxes.

2. Liquidated Damages: -

a) **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 ($\frac{1}{2}$) percent and applicable GST thereon, of the total main supply & commissioning spares contract price excluding GST per week or part thereof, subject to a maximum of ten(10) percent of the total main supply & commissioning Spares 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.

Project: - 5 X 800 MW YADADRI TPS
Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
Dtd. 27.07.2022

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.

3. 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.

3.1 Risk & Cost Amount against Balance Work:

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

Project: - 5 X 800 MW YADADRI TPS
Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
Dtd. 27.07.2022

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).

3.2 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.

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

LD against delay in executed work shall be calculated in line with above LD clause, 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

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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.

3.4 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.

4. For recognition of dispatch, vendor to submit following documents to BHEL by e-mail/ fax immediately on dispatch: - GST compliant invoice, LR for Indian Vendors (indicating Invoice No., no. of boxes, PTL (if applicable) etc.) / Bill of Lading or AWB for foreign vendor, Packing List (Must be indicating No. of boxes, Packing size, Gross weight and net weight of each package, Contents of the package with cross reference to BoM item code no. or item serial no. and Quantity of each item separately), Insurance Intimation to underwriter through email/fax, Dispatch Clearance.

B. Following ATC available in GEM shall also be part of NIT: -

i. 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.

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

iii. 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.

iv. 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.

v. 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.

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Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
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Additional Terms and Conditions for subject Tender Enquiry to be complied by Bidders for Consideration in this tender:

- A. 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 organization contact number and E-mail Id. In case the same is found not available, BHEL has the right to reject such document from evaluation.
- B. "This item /package/system falls under the list of items defined in para 3 of ministry of finance guideline date 20.09.16 (procurement of items related to public safety, health, critical security operations and Equipment's etc.) & hence criteria of prior experience /turnover shall be same for all bidders including start up /MSME".
- C. **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 for Main Supply.
- D. Evaluation shall be on the basis of total all inclusive, landed price at consignee destination (Refer cl. No. 6 of GTC on GEM).
- E. **Terms of Delivery** shall be as per cl. No. 13 of GTC on GeM (i.e. Free Delivery at site basis including loading/unloading). However, unloading of items (at delivery point) shall be in the scope of buyer. Insurance shall be in seller scope. Bidder to quote prices accordingly.
- F. 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.
- G. Bidder has to provide the details as per TECHNICAL PQR (attached with Specifications of product catalogue) in its offer and has to note that bids of only those bidders shall be evaluated who meet the Technical Pre-Qualifying requirements'. The terms of technical PQR shall prevail in conflict (if any).
- H. PQR criteria uploaded with Buyer uploaded Bid Specific document shall prevail Value of Experience criteria and Past performance parameter mentioned in GeM bid.
- I. "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 available at : <https://pem.bhel.com/Documents/VendorSection/Vendor/Guidelines.pdf> to take up the inspection remotely.
- J. **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.

Project: - 5 X 800 MW YADADRI TPS
Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
Dtd. 27.07.2022

- K.** All Bidders shall be required to submit applicable Freight % & GST % included in their prices during clarification stage of Tender.
- L.** Performance Bank Guarantee: shall be as per Cl. No. 7 of GTC of GeM. Performance Security amount shall be @5% of the value of contract value. In case any benefit with respect to BG reduction is applicable at later stage for YADADRI project, then similar benefit shall be passed onto the bidders for subject tender as well.
- M. Payment Terms:** For Supply Portion : - As per clause no. 12 (i) of GTC on GeM. 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.
Offline payment mode shall be selected. Payment will be released within 90 days for Non MSME after submission of complete documents (45 days for Micro & Small Enterprises (MSEs), 60 days for Medium Enterprises.
- N. Divisibility of the package:-** This package is divisible in nature.
- O. Bid reserved for Make in India products:** - Procurement under this bid is reserved for purchase from Class 1 / Class II suppliers 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 as 50%. All bidders 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 the bid is liable to be rejected.
Regarding verification of local content, the local supplier at the time of tender, bidding or solicitation shall be required to provide certification (as per enclosed annexure-IV) as per para 9 of PP-MII order revision dated 16.09.2020.
- P. This is conditional tender enquiry. Financial bid opening (Part-II) of a bidder shall be subjected to following:**
-
(i) Techno-Commercial evaluation/recommendation by BHEL.
(ii) Qualification of Technical PQR
(iii) Offered item should mandatorily conform to PP-MII order provisions.
(iv) Approval from end customer.
- Q.** Bidder (must be BIS licensee with valid CML number) has to provide the details as per TECHNICAL PQR (part of GeM bid documents for this tender) in its offer and has to note that bids of only those bidders shall be evaluated who meet the Technical Pre-Qualifying requirements. Above terms for PQR shall prevail in conflict (if any).
- R. Consignee Details** (for PRC - Provisional Receipt Certificate & CRAC - Consignee's Receipt cum Acceptance Certificate, as applicable) shall be as per Project Site official details.
- S.** The Bidder has to declares that they will not enter into any illegal or undisclosed agreement or understanding, whether formal or informal with other Bidder(s). This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process. In case, the bidder is found having indulged in above activities, suitable action shall be taken by BHEL as per extant policies/guidelines.
- T. Bidders to ensure the following: -**
• Ensure compliance to Ministry of Power (MoP) Order No. 11/05/2018-Coord. dt. 28/07/2020, if applicable.

Project: - 5 X 800 MW YADADRI TPS
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- 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. Bidder to submit the following undertaking on their letter head duly signed from the highest competent authority at your end (i.e Owner, partner, CMD, Director etc.)

"I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India; I hereby certify that this bidder is not from such a country and is eligible to be considered."

Note: - This bidder is to be replaced with bidders' organizational name.

- U. Delivery Period:** As per attached Annexure-II. Delivery Days mentioned in GeM bid is indicative only. Delivery shall be refixed as per terms & conditions of Annexure-II.
- V.** 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
- W.** Instructions to Packing List (annexure –III) and Certification Reg. Local content (annexure –IV) to be complied by bidders.
- X. Quantity Variation:** - Maximum Qty. Variation shall be quantity variations as +25%, bidder to quote accordingly.
- Y.** (A) PVC is applicable for this package.
(B) There is no negative limit and +20% is the maximum Limit.
(C) PVC formula shall be as per Annexure-A.
- Z. Integrity Pact :** 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. A panel of Independent External Monitors (IEMs) have been appointed by BHEL with the approval of CVC. The names of the IEMs in panel are as follows:

- I. Shri Arun Chandra Verma, IPS (Retd.) (E-mail- acverma1@gmail.com)
- II. Shri Virendra Bahadur Singh, IPS (Retd.) (E-mail-vbsinghips@gmail.com)

The IP as enclosed is to be submitted (duly signed by authorized signatory) along with techno-commercial 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.

Please refer Section-8 of IP for Role and Responsibilities of IEMs. In case of any complaint arising out of the

Project: - 5 X 800 MW YADADRI TPS
Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
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tendering process, the matter may be referred to the any of the IEMs mentioned above. All correspondence with the IEMs shall be done through email only.

” 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 officials.”

AA. All other terms & conditions shall be as per selected Additional Terms & Conditions for subject bid from GeM library and GTC version (1.21) available on GeM Portal on enquiry floating date shall be applicable.

Project: - 5 X 800 MW YADADRI TPS
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An undertaking regarding Model Clauses (To be provided alongwith bid)

Refer,

PROJECT	: - 5 X 800 MW YADADRI TPS
PACKAGE	:- CABLE TRAY SUPPORT (WELDED)
Primary product category on GeM	:-.....
BID No. (Through GeM)	: - , Dtd.

M/s

Reference:

TO WHOM SO IT MAY CONCERN

This is with reference to Ministry of Finance circular dated 23.07.20 reg. restriction under rule 144 (xi) of GFR.

“I have read the clause regarding restrictions on procurement from a bidder of a country which shares a land border with India. I hereby certify that M/s is not from such a country and is eligible to be considered against GeM enquiry no: , **Dtd.**”

Sign & Signature

Date:

Project: - 5 X 800 MW YADADRI TPS
Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
Dtd. 27.07.2022

ANNEXURE -III TO INSTRUCTIONS TO PACKING LIST

For faster verification of bills, successful bidder to submit detailed Bill of Material (BOM) at the time of drawings/ documents submission after placement of PO. Each item of the BOM to be uniquely identified with item code no. or item Sl. No. Supplier to ensure that all items which will find separate mention in the packing list are covered in this detailed BOM.

Supplier to also give the following undertaking in the BOM:

“The BOM provided herewith completes the scope (in content and intent) of material supply under PO No. Dated Any additional material which may become necessary for the intended application of the supplied items/package will be supplied free of cost in most reasonable time.

Packing List must indicate:

- a) Packing size
- b) Gross weight and net weight of each package
- c) Contents of the package with cross reference to BOM item code no. / Sl. No.
- d) Quantity of each items separately.

The packing list must cover all the BOM items.

Supplier to give following undertaking in the packing list:

The Packing list provided herewith is as per BOM approved under PO No. -----

ANNEXURE IV

Letter head of Company

Ref.....

Date.....

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

Subject: - Certification regarding local content

Reference: Tender Enquiry No- , **Dtd.**

Name of Package: **CABLE TRAY SUPPORT (WELDED).**

Dear Sir,

We hereby certify that items offered by us of CABLE TRAY SUPPORT (WELDED) for 5 x 800 MW YADADRI TPS, M/s meets the requirement of minimum local content as a class – I local supplier in line with clause of NIT (GeM NIT) and the Public Procurement (Preference to Make in India), Order 2017 dated- 15.06.2017, 28.05.2018 & 29.05.2019, 04.06.20 & 16.09.20

We further confirm that details of location at which the local value addition is made will be our registered works at

.....
..... (address of the works)

Yours very truly

..... (authorized signatory of company)

..... (firm name)

authorized signatory
of company

Project: - 5 X 800 MW YADADRI TPS
Package: - CABLE TRAY SUPPORT SYSTEM (WELDED)
Dtd. 27.07.2022

Delivery	Supply: Within five (05) 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.			
	BHEL Drawing No	Drawing Title	Primary/ Secondary	Drg. Schedule for Vendors
	PE-V0-417-507-E907	Quality Plan	Primary	R-0 within 14 days from PO & subsequent revisions within 10 days of comments received from BHEL.
<p>For Subsequent Lots, if any: Within 3 months from Lot clearance by BHEL.</p> <p>Notes:</p> <p>A. The end period specified is for completion of the deliveries. Deliveries to start progressively so as to meet the completion schedule.</p> <p>B. The delivery conditions specified are for contractual LD purposes, however BHEL may ask for early deliveries without any compensation thereof.</p> <p>C. Wherever schedule of drawings/documents submission / re-submission is stipulated in the Technical Specifications, same shall be superseded by delivery specified in NIT.</p> <p>D. Vendor to start manufacturing activities only after obtaining specific manufacturing clearance from BHEL Purchase group.</p> <p>E .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.</p> <p>* One month extra are being considered from standard delivery schedule due to following reasons:</p> <p>i) As per past experience, customer is taking more time than usual time for conclusion of inspection.</p> <p>ii) Quantity requirement considered in one lot is comparatively large being an EPC project with three units in St-II.</p> <p>Delivery period for sake of GeM bid shall be chosen as 365 days from PO date. However, this period shall not be considered for Delivery and Delay analysis purpose.</p> <p>For Delivery and delay analysis purpose, delivery schedule mentioned above shall be considered.</p>				



Price Variation Formulae

ANNEXURE-A

Prices shall be variable as per following PVC formulae: -

Cable Tray Support System-Welded	
$P = P_o/100 (11 + 57 (SBIR/SBIRo) + 9 (Zn/Zno) + 23 (W/ Wo))$	Indices to be taken from IEEMA Circular (IEEMA(PVC)/TLT-2014/_/_) for the applicable month.

Wherein,

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

Po = Price quoted/confirmed.

SBIRo = 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.

Zno = 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.

Wo = 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.

Notes:

- All prices of raw materials are exclusive of modvatable excise/CV duty amount and exclusive of any other central, state or local taxes; octroi etc.
- All prices are as on first working day of the month.
- No negative limit & +20% is the maximum Limit.

ANNEXURE - I														
YADADRI TPS (5X800 MW)														
(BOQ-CUM-PRICE SCHEDULE FOR CABLE TRAYS SUPPORT SYSTEM-WELDED TYPE)														
SR. NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HSN CODE	UNIT EX WORKS PRICE (INR)	TOTAL EX WORKS PRICE (INR)	FREIGHT IN % W.R.T TOTAL EX WORKS	FREIGHT AMOUNT (INR)	TOTAL EVALUATION PRICE (TOTAL EX-WORKS + FREIGHT) (INR)	GST %	GST AMOUNT (INR)	TOTAL PRICE	
a)	507-33003-A	ISA 50X50X6 (GALVANISED)	MT	120	7308									
b)	507-33013-A	ISA 65X65X6 (GALVANISED)	MT	30										
c)	507-33005-A	ISMC 100 (GALVANISED)	MT	120										
d)	507-33006-A	ISMC 150 (GALVANISED)	MT	75										

NOTES:

- 1.Total Quantity indicated above shall be known as Order Quantities. The total quantity variation shall be as per NIT.
- 2.The bidder shall indicate the unit price for items listed as per the BOQ-Cum-Price Schedule. The unit prices shall apply for adjustment of variation in quantity.
- 3.Manufacturing of total quantities shall be done after the approval of technical and quality documentation, and supply of same shall be as per NIT.

Project	5X800 MW YADADRI TPP
Package	CABLE TRAY SUPPORT SYSTEM - WELDED


ANNEXURE-B

CUSTOMER/ BHEL LOGO		VENDOR CREDENTIALS SUMMARY SHEET (TO BE FILLED BY BIDDER AND SUBMITTED WITH BID)			
i.	Item/Scope				
ii.	Address of the registered office	Details of Contact Person (Name, Designation, Mobile, Email)			
iii.	Name and Address of the proposed vendor's works where item is being manufactured	Details of Contact Person: (Name, Designation, Mobile, Email)			
iv.	Annual Production Capacity for proposed item				
v.	Annual production for last 3 years for proposed item				
vi.	Details of proposed works				
1.	Year of establishment				
2.	Factory Registration Certificate	Details attached at Annexure – F2.1			
3.	Overall organization Chart with Manpower Details (Design/Manufacturing/Quality etc.)	Details attached at Annexure – F2.2			
4.	After sales service set up in India, in case of foreign sub-vendor(Location, Contact Person, Contact details etc.)	Applicable / Not applicable Details attached at Annexure – F2.3			
5.	Sources of Raw Material/Major Bought Out Item	Details attached at Annexure – F2.4			
6.	Quality Control exercised during receipt of raw material/BOI, in-process, Final Testing, packing	Details attached at Annexure – F2.5			
7.	Manufacturing facilities (List of machines, special process facilities, material handling etc.)	Details attached at Annexure – F2.6			
8.	Testing facilities (List of testing equipment)	Details attached at Annexure – F2.7			
9.	Supply reference list including recent supplies (Preferably of reputed, well known clients to whom the vendor has supplied the material and are of quantum of item/scope at point (i) above)	Reputed client name (s)..... Details attached at Annexure – F2.8 (as per format given below)			
Project/ package	Customer Name	Supplied Item (Type/Rating/Model /Capacity/Size etc)	PO ref no/date	Supplied Quantity	Date of Supply
10.	Product satisfactory performance feedback letter/certificates/End User Feedback			Attached at annexure - F2.9	

Project	5X800 MW YADADRI TPP
Package	CABLE TRAY SUPPORT SYSTEM - WELDED

11.	Average annual turnover for last three years with documentary proof.	
12.	Summary of Type Test Report (Type Test Details, Report No, Agency, Date of testing) for the proposed product (similar or higher rating) Note:- Reports need not to be submitted	Applicable / Not applicable Details attached at Annexure – F2.10 (if applicable)
13.	Copy of ISO 9001 certificate (if available)	Attached at Annexure – F2.11
14.	Product technical catalogues for proposed item (if available)	Details attached at Annexure – F2.12
Name		Desig
		Sign:
		Date:

Company's Seal/Stamp:-

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ANNEXURE– VIII (Rev 01)

INTEGRITY PACT

Between

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

And

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

Preamble

The Principal intends to award, under laid-down organizational procedures, contract/s for _____ (hereinafter referred to as "Contract"). The Principal values full compliance with all relevant laws of the land, rules and regulations, and the principles of economic use of resources, and of fairness and transparency in its relations with its Bidder(s)/ Contractor(s).


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

Section 1- Commitments of the Principal

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

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

- 2.1 The Bidder(s)/ Contractor(s) commit himself to take all measures necessary to prevent corruption. The Bidder(s)/ Contractor(s) commits himself to observe the following principles during participation in the tender process and during the contract execution.
 - 2.1.1 The Bidder(s)/ Contractor(s) will not, directly or through any other person or firm, offer, promise or give to the Principal or to any of the Principal's employees involved in the tender process or the execution of the contract or to any third person any material, immaterial or any other benefit which he/ she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the tender process or during the execution of the contract.

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- 2.1.2 The Bidder(s)/ Contractor(s) will not enter with other Bidder(s) into any illegal or undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to introduce cartelization in the bidding process.
- 2.1.3 The Bidder(s)/ Contractor(s) will not commit any penal offence under the relevant Indian Penal Code (IPC) and Prevention of Corruption Act; further the Bidder(s)/ Contractor(s) will not use improperly, for purposes of competition or personal gain, or pass on to others, any information or document provided by the Principal as part of the business relationship, regarding plans, technical proposals and business details, including information contained or transmitted electronically.
- 2.1.4 Foreign Bidder(s)/ Contractor(s) shall disclose the name and address of agents and representatives in India and Indian Bidder(s)/ Contractor(s) to disclose their foreign principals or associates. The Bidder(s)/ Contractor(s) will, when presenting his bid, disclose any and all payments he has made, and is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the contract.
- 2.2 The Bidder(s)/ Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.
- 2.3 The Bidder(s)/ Contractor(s) shall not approach the Courts while representing the matters to IEMs and shall await their decision in the matter.

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

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

Section 4 - Compensation for Damages


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

Section 5 - Previous Transgression

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

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

- 6.1 The Principal will enter into Integrity Pacts with identical conditions as this Integrity Pact with all Bidders and Contractors.
- 6.2 In case of Sub-contracting, the Principal Contractor shall take the responsibility of the adoption of Integrity Pact by the Sub-contractor(s) and ensure that all Sub-contractors also sign the Integrity Pact.

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6.3 The Principal will disqualify from the tender process all Bidders who do not sign this Integrity Pact or violate its provisions

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

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

Section 8 -Independent External Monitor(s)

8.1 The Principal appoints competent and credible panel of Independent External Monitor (s) (IEMs) for this Integrity Pact. The task of the IEMs is to review independently and objectively, whether and to what extent the parties comply with the obligations under this Integrity Pact.

8.2 The IEMs are not subject to instructions by the representatives of the parties and performs his functions neutrally and independently. He reports to the CMD, BHEL.

8.3 The IEMs shall be provided access to all documents/ records pertaining to the Contract, for which a complaint or issue is raised before them as and when warranted. However, the documents/records/information having National Security implications and those documents which have been classified as Secret/Top Secret are not to be disclosed.

8.4 The Principal will provide to the IEMs sufficient information about all meetings among the parties related to the Contract provided such meetings could have an impact on the contractual relations between the Principal and the Contractor. The parties offer to the IEMs the option to participate in such meetings.

8.5 The advisory role of IEMs is envisaged as that of a friend, philosopher and guide. The advice of IEMs would not be legally binding and it is restricted to resolving issues raised by a Bidder regarding any aspect of the tender which allegedly restricts competition or bias towards some Bidders. At the same time, it must be understood that IEMs are not consultants to the Management. Their role is independent in nature and the advice once tendered would not be subject to review at the request of the organization.

8.6 For ensuring the desired transparency and objectivity in dealing with the complaints arising out of any tendering process or during execution of Contract, the matter should be examined by the full panel of IEMs jointly, who would look into the records, conduct an investigation, and submit their joint recommendations to the Management.


8.7 The IEMs would examine all complaints received by them and give their recommendations/ views to the CMD, BHEL at the earliest. They may also send their report directly to the CVO, in case of suspicion of serious irregularities requiring legal/ administrative action. Only in case of very serious issue having a specific, verifiable Vigilance angle, the matter should be reported directly to the Commission. IEMs will tender their advice on the complaints within 30 days.

8.8 The CMD, BHEL shall decide the compensation to be paid to the IEMs and its terms and conditions.

8.9 IEMs should examine the process integrity, they are not expected to concern themselves with fixing of responsibility of officers. Complaints alleging mala fide on the part of any officer of the Principal should be looked into by the CVO of the Principal.

8.10 If the IEMs have reported to the CMD, BHEL, a substantiated suspicion of an offence under relevant Indian Penal Code / Prevention of Corruption Act, and the CMD, BHEL has not, within reasonable time, taken visible action to proceed against such offence or reported it to the Vigilance Office, the IEMs may also transmit this information directly to the Central Vigilance Commissioner, Government of India.

8.11 After award of work, the IEMs shall look into any issue relating to execution of Contract, if specifically raised before them. As an illustrative example, if a Contractor who has been awarded the Contract, during the execution of Contract, raises issue of delayed payment etc. before the IEMs, the same shall be examined by the panel of IEMs. Issues like warranty/ guarantee etc. shall be outside the purview of IEMs.

	<p align="center">PROJECT ENGINEERING MANAGEMENT</p>	<p align="center">GENERAL CONDITIONS OF CONTRACT (GCC) Revision no. 07</p>	<p align="center">ANNEXURES</p>
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8.12 However, the IEMs may suggest systemic improvements to the management of the Principal, if considered necessary, to bring about transparency, equity and fairness in the system of procurement.

8.13 The word `Monitor' would include both singular and plural.

Section 9 - Pact Duration

9.1 This Integrity Pact shall be operative from the date this Integrity Pact is signed by both the parties till the final completion of contract for successful Bidder, and for all other Bidders 6 months after the Contract has been awarded. Any violation of the same would entail disqualification of the bidders and exclusion from future business dealings.

9.2 If any claim is made/ lodged during currency of this Integrity Pact, the same shall be binding and continue to be valid despite the lapse of this Pact as specified above, unless it is discharged/ determined by the CMD, BHEL.

Section 10 - Other Provisions

10.1 This Integrity Pact is subject to Indian Laws and exclusive jurisdiction shall be of the competent Courts as indicated in the Tender or Contract, as the case may be.

10.2 Changes and supplements as well as termination notices need to be made in writing.

10.3 If the Bidder(s)/ Contractor (s) is a partnership or a consortium or a joint venture, this Integrity Pact shall be signed by all partners of the partnership or joint venture or all consortium members.

10.4 Should one or several provisions of this Integrity Pact turn out to be invalid, the remainder of this Integrity Pact remains valid. In this case, the parties will strive to come to an agreement to their original intentions.

10.5 Only those bidders / contractors who have entered into this Integrity Pact with the Principal would be competent to participate in the bidding. In other words, entering into this Integrity Pact would be a preliminary qualification.

10.6 In the event of any dispute between the Principal and Bidder(s)/ Contractor(s) relating to the Contract, in case, both the parties are agreeable, they may try to settle dispute through Mediation before the panel of IEMs in a time bound manner. In case, the dispute remains unresolved even after mediation by the panel of IEMs, either party may take further action as the terms & conditions of the Contract. The fees/expenses on dispute resolution through mediation shall be shared by both the parties. Further, the mediation proceedings shall be confidential in nature and the parties shall keep confidential all matters relating to the mediation proceedings including any settlement agreement arrived at between the parties as outcome of mediation. Any views expressed, suggestions, admissions or proposals etc. made by either party in the course of mediation shall not be relied upon or introduced as evidence in any further arbitral or judicial proceedings, whether or not such proceedings relate to the dispute that is the subject of mediation proceedings. Neither of the parties shall present IEMs as witness in any Alternative Dispute Resolution or judicial proceedings in respect of the dispute that was subject of mediation.

_____ 
For & On behalf of the Principal

(Office Seal)

Place-----

Date-----

Witness: _____

(Name & Address) _____

For & On behalf of the Bidder/ Contractor
(Office Seal)

Witness: _____

(Name & Address) _____

To be given on Letter head of Bidder

Ref:

Date:

To,

Bharat Heavy Electricals Limited

PEM, PPEI Building,

Plot No 25, Sector -16A

Noida (U.P)-201301

Reference:

Order no-F6/18/2019-PPD dated 23.07.2020 issued by Ministry of Finance.

Tender Enquiry No-.....

Offer No-.....

Name of Package:

Dear Sir,

I have read the clause regarding restriction on procurement from a bidder of a country which shares a land border with India. I hereby certify that(Company name), is not from such a country and is eligible to be considered.

Thanking You,

Yours faithfully,

(Company director seal and signature)

To be given on Letter head of Statutory auditor/Cost auditor

Ref:

Date:

To,

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

Reference: Tender Enquiry No-.....

Name of Package:

Dear Sir,

We hereby certify that items of(Package name)
for.....(Project Name) offered by M/s(bidder's name)
having its works/office at has local content of%.

Further, it is also certified that the local content percentage (%) certified above is in line with definition of local content given in point no 2 of Public Procurement (Preference to Make in India), Order 2017-revision, having ref. no. P-45021/2/2017-PP(BE-II) dated 04.06.2020 and subsequent orders dated 16.09.2020 & 16.11.2021 an M/s..... qualifies as Class-I/Class-II (strike out whichever is not applicable) local supplier.

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

Yours very truly

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

..... (Firm Name & stamp)

Date: 4th November 2019**SOP for Ensuring Compliance of Packing List with Billing Break-Up of PO**

The packing list, submitted by a Supplier at the time of despatch of material from its works, sometimes, do not match with the billing break-up (price schedule) of the corresponding PO.

At the time of processing of Supplier's invoice in PEM, concerned indenting department gives a certification towards such a compliance at the instance of Finance. In order to streamline the process and reduce delays in processing time, the following 'Standard Operating Procedure' is implemented with immediate effect for all future NITs.

(Efforts may be made to incorporate the applicable operative part in the existing POs also.)

Standard Operating Procedure:**[A] After Placement of PO**

1. Supplier to submit detailed 'bill of material' (BoM) at the time of drawing/document submission after placement of PO. Each item of the BoM to be uniquely identified with item code no. or item serial no.
2. Supplier to ensure that all items which will find separate mention in the packing list are covered in this detailed BoM.
3. Supplier to also give the following undertaking in the BOM:

"The BoM provided herewith completes the scope (in content and intent) of material supply under PO No.-----, dated -----.

Any additional material which may become necessary for the intended application of the supplied item(s)/package will be supplied free of cost in most reasonable time."

Note: This is to be suitably incorporated in all future technical specifications for indenting purpose.

4. The indenting department will approve the BoM to certify that it meets the scope of supply.

[B] At the Time of Despatch

5. Packing list which will also form part of advance set of documents for claiming payment must indicate:

M. S. S.
4/11/19

B. L. B. S.
04/11/19

- a) Packing size
- b) Gross weight and net weight of each package
- c) Contents of the package with cross reference to BoM item code no. or item serial no.
- d) Quantity of each item separately

The packing list must cover all the BoM items.

6. Supplier to also give the following undertaking in the Packing List:

"The Packing List provided herewith is as per the BoM approved under PO No. - -----, dated -----."

Note: This is to be suitably incorporated in GCC-07.

[C] On Receipt of Packing List

7. PG to ensure that the packing list contains all the identified items of the approved BoM and certify the same.
8. Finance to consider this certification as compliance of packing list with scope of supply.

4/11/19
(ASIM MISHRA)
AGM, DH/PG-III

B. L. Bedi
21/11/19
(Banshi Lal Bedi)
AGM, DH/PG-III

4/11/19
GM/PG-2 & 3

Qishvee
05/11/19
GM/PG-3