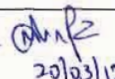
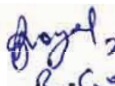
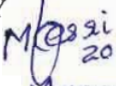


| | | |
|---|--|------------------------------------|
|  | PRE-QUALIFICATION REQUIREMENTS FOR RIGID STEEL CONDUITS | PE-PQ-999-558-E002 |
| | | REVISION NO. 01 DATE 20/03/2017 |
| | | SHEET NO. 1 OF 1 |

| | |
|---|---|
| ITEMS : RIGID STEEL CONDUITS | |
| SCOPE : Supply : YES; Erection & Commissioning : NO. | |
| 1.0 | Vendor should be a BIS approved manufacturer of rigid steel conduits as per IS 9537 Part II. |
| 2.0 | Availability of test reports of rigid steel conduits to establish in- house capability at manufacturer's works to carry out all routine, type & acceptance tests as per relevant IS. |
| 3.0 | Capacity of manufacturing 30 MT of rigid steel conduits per month. |
| 4.0 | Manufactured and supplied at least 80 km of rigid steel conduits in one or more orders. |
| 5.0 | Minimum two (2) nos. purchase orders for rigid steel conduits shall be submitted which should not be more than five (5) years old from the date of application for registration or date of techno-commercial bid opening (as applicable) for establishing continuity in business. |

NOTE:

- The vendor can offer rigid steel conduits of any BIS approved make meeting criteria S.No.1 to 4 above.
The vendor to furnish the following documents:
 - Undertaking from BIS approved manufacturer of offered make to get the inspection & testing of conduits carried out at manufacturer's works.
 - Credentials of the manufacturer of offered make to meet the PQR requirements of S no 1.0 to 4.0 above.
 - Vendor's Credentials to meet S no 5.0.
- Consideration of offer shall be subject to customer's approval of bidders, if applicable.
- 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.
- Any other project specific requirement shall be as per Annexure-I and bidder shall submit relevant supporting documents.
- Notwithstanding anything stated above, BHEL reserves the right to assess the capabilities and capacity of the bidder/collaborators to perform the contract, should the circumstances warrant such assessment in the overall interest of BHEL.
- After satisfactory fulfillment of all the above criteria/ requirement, offer shall be considered for further evaluation as per NIT and all the other terms of the tender.

| | | |
|--|--|--|
| PREPARED BY  NAME: Nishu Kataria 20-03-17 DESIGNATION: (Mudet Chopra) | REVIEWED BY  NAME: R. Goyal 20/3/17 DESIGNATION: R. Goyal Acim | APPROVED BY  NAME: Meena Kesri 20-3-17 DESIGNATION: Meena Kesri GM |
|--|--|--|

3 X 800 MW PATRATU TPS

VOLUME-II


**TECHNICAL SPECIFICATION FOR
*RIGID STEEL CONDUITS***

SPECIFICATION NO: *PE-TS-434-558-E002*

REVISION: 00



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

| | | | | |
|---|---|------------------|--------------------------------------|--|
|  | TECHNICAL SPECIFICATION FOR RIGID STEEL CONDUITS | | SPECIFICATION NO. PE-TS-434-558-E002 | |
| | | | VOLUME II | |
| | | | SECTION | |
| | REVISION 00 | DATE: 16.04.2021 | | |
| | SHEET 1 OF 1 | | | |

CONTENTS

| SI. No. | DESCRIPTION | NO. OF SHEETS |
|---------|------------------------------------|---------------|
| 1.0 | SECTION- I | |
| | COMPLIANCE CERTIFICATE | 01 |
| | SPECIFIC TECHNICAL REQUIREMENTS | 01 |
| | DATA SHEET – A | 01 |
| 2.0 | SECTION- II | |
| | STANDARD TECHNICAL REQUIREMENTS | 02 |
| | STANDARD QUALITY PLAN | 03 |
| | PACKING SPECIFICATION (ANNEXURE-A) | 01 |

Total nos. of sheets including cover & separator sheets = 13 sheets



TECHNICAL SPECIFICATION
FOR
RIGID STEEL CONDUITS

SPECIFICATION NO. PE-TS-434-558-E002

VOLUME II

SECTION I

REVISION 00

DATE: 16.04.2021

SHEET 1 of 1

COMPLIANCE CERTIFICATE

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

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

BIDDER'S STAMP & SIGNATURE

308661/2021/PS-PEM-EL



TECHNICAL SPECIFICATION
FOR
RIGID STEEL CONDUITS

SPECIFICATION NO. PE-TS-434-558-E002

VOLUME II

SECTION I

REVISION 00

DATE: 16.04.2021

SECTION – I



**TECHNICAL SPECIFICATION
FOR
RIGID STEEL CONDUITS**

SPECIFICATION NO. PE-TS-434-558-E002

VOLUME II

SECTION I

REVISION 00

DATE: 16.04.2021

SHEET 1 OF 1

1.0 SCOPE

- 1.1 Manufacture, Inspection and Testing at Manufacturer's works, proper packing and delivery to site of rigid steel conduits conforming to this specification.
- 1.2 Technical requirements of rigid steel conduits are indicated in Data Sheet-A & Section-II.
- 1.3 The stipulation of Data Sheet-A shall prevail in case of any conflict between the stipulations of Data Sheet-A & Section-II.

2.0 BILL OF QUANTITIES

The bidder to quote for items as per price schedule attached with NIT.

3.0 DRAWINGS & DOCUMENTS TO BE SUBMITTED

- 3.1 Bidders shall furnish following documents as the part of their technical offer: -
- i. Unpriced Price Schedule with "Quoted" word against items with bidder's signature and company stamp.
 - ii. A copy of the sheet "Compliance certificate" with bidder's signature and company stamp.
 - iii. "Deviation Schedule" with "NO TECHNICAL DEVIATION" and bidder's signature and company stamp.
- 3.2 Following documents shall be submitted after placement of order for BHEL & customer's approval: -

| Sl. No. | Drawings / Document Description | Document Number |
|---------|---|--------------------|
| 1. | Technical Data Sheet for Rigid steel conduits | PE-V0-434-558-E402 |
| 2. | MQP for Galvanised & epoxy coated rigid conduit | PE-V0-434-558-E906 |



**TECHNICAL SPECIFICATION
FOR
RIGID STEEL CONDUITS**

SPECIFICATION NO. PE-TS-434-558-E002

VOLUME II

SECTION I

REVISION 00

DATE: 16.04.2021

SHEET 1 OF 1

DATA SHEET-A

1.0 APPLICABLE STANDARDS & CODES

- a) IS:9537 (Part I & II) Conduits for electrical installation.
- b) IS:2629 Recommended practice for hot dip galvanizing on iron and steel.
- c) IS:4759 Specification for hot dip zinc coatings on structural steel and allied products
- d) IS:6745 Methods for determination of mass of zinc coating on zinc coated iron and steel articles.
- e) IS:513 Cold reduced low carbon steel sheet and strip
- f) IS: 10748 Hot rolled Steel strip for welded tubes and pipes
- g) IS: 2633 Method for testing uniformity of coating on zinc coated articles
- h) IS:6005 Code of practice for phosphating iron & steel

2.0 RIGID STEEL CONDUITS

| S.No. | Description | Unit | Parameters value/ type |
|-------|---|--------|--|
| a | Make | - | <input checked="" type="checkbox"/> BIS approved <input type="checkbox"/> As per enclosed sub-vendor list |
| b | Material | - | Hot or Cold rolled mild steel |
| c | Sizes | - | As per BOQ cum price schedule |
| d | Standard length | meter | 3 – 5 |
| e | Classification as per mechanical properties | | Heavy |
| f | Conduit thickness (minimum) | mm | 1.6 upto 32 mm dia, 2.0 above 32 mm & upto 50 mm dia |
| g | Surface treatment | - | Hot dip galvanizing on inside & outside surface |
| h | Epoxy thickness | micron | 50 (applicable for epoxy coated conduits only) |

3.0 SURFACE TREATMENT

| | | | |
|---|--------------------------------|----------------------|--|
| a | Pre-treatment | - | As per IS 6005 prior to galvanising |
| b | Type | - | Hot dip galvanizing as per IS 2629 |
| c | Min. Thickness of zinc coating | microns | 48 (upto 32 mm dia), 65 (above 32 mm & upto 50 mm dia) |
| d | Min. Weight of zinc coating | (gm/m ²) | 340 (upto 32 mm dia) 460 (above 32 mm & upto 50 mm dia) |
| e | Tests for galvanizing | | a) Weight of zinc coating as per IS : 6745 b) Thickness of zinc coating as per IS : 4759 c) Uniformity of zinc coating as per IS : 2633 d) Adhesion as per IS: 2629 |

308661/2021/PS-PEM-EL



TECHNICAL SPECIFICATION
FOR
RIGID STEEL CONDUITS

SPECIFICATION NO. PE-TS-434-558-E002

VOLUME II

SECTION II

REVISION 00

DATE: 16.04.2021

SECTION-II



**TECHNICAL SPECIFICATION
FOR
RIGID STEEL CONDUITS**

SPECIFICATION NO. PE-TS-434-558-E002

VOLUME II

SECTION II

REVISION 00

DATE: 16.04.2021

Sheet 1 of 2

1.0 INTENT OF SPECIFICATION

The intent of specification is not to specify all details of design & construction of material. The material shall, however, conform in all aspects to high standard of design, engineering and workmanship and be capable of performing in continuous operation up to & after bidder's guarantee period in manner acceptable to purchaser who will interpret the drawings & specification and shall have power to reject any work or material which in his judgement is not in full accordance with this specification.

2.0 CODES AND 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 material, construction, manufacture, inspection and testing of Rigid steel conduits shall conform to the latest revision of relevant standards as per Data Sheet-A.
- 2.3 In case of conflict between the applicable reference standard and this specification, the stringent requirement of the two shall govern.

3.0 TECHNICAL REQUIREMENTS

- 3.1 Rigid conduits shall generally conform to the requirements of IS: 9537 (part I & II).
- 3.2 The diameter of conduits shall be uniform throughout the length. Each end of conduit length shall be threaded. The ends of conduits shall be sealed with protective caps to prevent damage to threaded portions and entrance of moisture and foreign material.
- 3.3 The inside surface of all conduits shall be smooth and suitable for pulling insulated cables and wires without damage.
- 3.4 Technical particulars of rigid conduits are specified in Data Sheet – A.

4.0 QUALITY ASSURANCE, TESTING & INSPECTION

- 4.1 Bidder shall confirm compliance with the BHEL's Standard Quality Plan (PE-QP-999-558-E001) as attached with the specification without any deviations. At contract stage, the successful bidder shall submit the Quality Plan for BHEL/ ultimate customer's approval. In case bidder has reference Quality Plan agreed with ultimate customer, same can be submitted for specific project after award of contract for BHEL/ ultimate customer's approval. There shall be no commercial implication to BHEL on account of Quality plan 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 equipments & components shall be deemed to be included in the bid price.



**TECHNICAL SPECIFICATION
FOR
RIGID STEEL CONDUITS**

SPECIFICATION NO. PE-TS-434-558-E002

VOLUME II

SECTION II

REVISION 00

DATE: 16.04.2021

Sheet 2 of 2

- 4.4 In case ordered quantities are manufactured and offered for inspection in more than one lot, BHEL reserves the right to witness testing on all lots without any commercial implication to BHEL.

5.0 PACKING


- 5.1 The material shall be packed to ensure protection against damage during transit, storage for prolonged periods and handling.
- 5.2 The ends of conduits shall be sealed with protective caps.
- 5.3 Each conduit shall be wrapped in plastic to prevent dust deposition.
- 5.4 The conduits should be aligned and stacked in bundles (a maximum of 25 pieces per bundle).
- 5.5 Each bundle shall be covered with jute fibre or thick plastic wrap for protection against extreme weather. Then, the bundle shall be tied with twin-strand mild steel wire, strong rope or steel strip.

6.0 MARKING

- 6.1 Rigid conduits shall be marked at least once on each manufacturing length, preferably 50 mm from one end, with the following:
- a) Manufacturer's name or trade mark, if any;
 - b) Country of manufacture; and
 - c) Nominal size of the conduits.
 - d) ISI Certification Mark.

Marking may be applied by moulding, stamping, printing, adhesive label or water slide transfers.



- 6.2 Marking shall be durable and legible.
- 6.3 Marking shall be checked by inspection and by rubbing lightly the marking by hand for 15 seconds with a piece of cloth soaked with water and again for 15 seconds with a piece of cloth soaked with petroleum spirit.

| | | | | | | | | | | |
|---|--|--|------------------------------|--|---------------------------------|--|---------------------------------|--|------------------|--|
|  | MANUFACTURER/ BIDDER/ SUPPLIER NAME & ADDRESS | | STANDARD QUALITY PLAN | | | | SPEC. NO : | | DATE: | |
| | | | CUSTOMER : | | | | QP NO.: PE-QP-999-558-E001, R04 | | DATE: 23.07.2020 | |
| | | | PROJECT: | | | | PO NO.: | | DATE: | |
| | | | ITEM: RIGID STEEL CONDUITS | | SYSTEM: STATION LIGHTING SYSTEM | | SECTION: II | | SHEET 1 OF 3 | |

| SL NO. | COMPONENT & OPERATIONS | CHARACTERISTICS | CLASS | TYPE OF CHECK | QUANTUM OF CHECK | | REFERENCE DOCUMENT | ACCEPTANCE NORMS | FORMAT OF RECORD | | AGENCY | REMARKS |
|--------|------------------------|-----------------|-------|---------------|------------------|------|--------------------|------------------|------------------|----|--------|---------|
| | | | | | M | C/ N | | | D | ** | | |

| | | | | | | | | | | | | | | |
|--|--|-------------------------|----|--------------------------|-----------|---|---------|---------|------------|---|---|---|---|---------------|
| 1.0 RAW MATERIAL/BOUGHT OUT ITEMS | | | | | | | | | | | | | | |
| 1.1 | | HOT ROLLED STEEL STRIP | MA | VISUAL, MECH. & CHEMICAL | MFR. STD. | - | IS10748 | IS10748 | TEST CERT. | √ | P | V | - | AS APPLICABLE |
| 1.2 | | COLD ROLLED STEEL SHEET | MA | VISUAL, MECH. & CHEMICAL | MFR. STD. | - | IS513 | IS513 | TEST CERT. | √ | P | V | - | AS APPLICABLE |

| | | | | | | | | | | | | | | |
|-----------------------------|----------------------|----------------------------|----|-------------|------------|------------|------------------------------|---------------------|--------------|---|---|---|---|--|
| 2.0 ACCEPTANCE TESTS | | | | | | | | | | | | | | |
| 2.1 | RIGID STEEL CONDUITS | DIMENSIONS | MA | MEASUREMENT | IS 9537-II | IS 9537-II | IS:9537/ APPROVED DATA SHEET | APPROVED DATA SHEET | INSP. REPORT | √ | P | W | - | |
| 2.2 | | MECH. PROPERTIES | | | | | | | | | | | | |
| 2.2A | | BENDING TEST | CR | TEST | IS 9537-II | IS 9537-II | IS 9537-II | IS 9537-II | INSP. REPORT | √ | P | W | - | |
| 2.2B | | COMPRESSION TEST | CR | TEST | IS 9537-II | IS 9537-II | IS 9537-II | IS 9537-II | INSP. REPORT | √ | P | W | - | |
| 2.3 | | GALVANISATION TEST | | | | | | | | | | | | |
| 2.3A | | UNIFORMITY OF ZINC COATING | CR | TEST | IS 9537-II | IS 9537-II | IS-2633/ APPD DS | IS-2633/ APPD DS | INSP. REPORT | √ | P | W | - | |

| BHEL | | | | | |
|--------------|-------------------------|---------------------------------------|--------------|---|----------------------|
| ENGINEERING | | | QUALITY | | |
| | Sign & Date | Name | Checked by: | Sign & Date | Name |
| Prepared by: | MEET SAGAR SINGH RAJPAL | MEET SAGAR SINGH RAJPAL/ MUDIT CHOPRA | |  | KUNAL GANDHI |
| Reviewed by: | PRAVEEN DUTTA | PRAVEEN DUTTA | Reviewed by: |  | RITESH KUMAR JAISWAL |


| BIDDER/ SUPPLIER | |
|------------------|--|
| Sign & Date | |
| Seal | |


| FOR CUSTOMER REVIEW & APPROVAL | | | |
|--------------------------------|-------------|------|------|
| Doc No: | | | |
| Reviewed by: | Sign & Date | Name | Seal |
| Approved by: | | | |

| 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 |
| 2.3B | | | MASS OF ZINC COAT. | CR | TEST | IS 9537-II | IS 9537-II | IS-6745/ APPD DS | IS-6745/ APPD DS | INSP. REPORT | √ | P | W | - |
| 2.3C | | | COATING THICKNESS | CR | TEST | IS 9537-II | IS 9537-II | IS-4759/ APPD DS | IS-4759/ APPD DS | INSP. REPORT | √ | P | W | - |
| 2.3D | | | EPOXY THICKNESS | MA | VISUAL/PHYSICAL | IS 9537-II | IS 9537-II | 50 MICRONS | 50 MICRONS | INSP. REPORT | √ | P | W | - |
| 2.4 | | | MARKING | CR | VISUAL/PHYSICAL | IS 9537-II | IS 9537-II | APPROVED DATA SHEET | APPROVED DATA SHEET | INSP. REPORT | | P | W | - |
| 3.0 PACKING | | | | | | | | | | | | | | |
| | | PACKING | Soundness of Packing against transit damage | Major | Visual | 100% | 100% | BHEL approved document | BHEL approved document | Inspection report | √ | P | W | - |

NOTES:


- The inspection shall be carried out once for the material offered for inspection in one lot. For subsequent lots against the same project, the material can be accepted based on certificate of compliance furnished by the vendor.
- Project specific QP shall be based on customer requirement. In case, any changes in QP commented by customer at contract stage shall be carried out by bidder without any implication to BHEL/ Customer.
- For export jobs, BHEL technical specification for seaworthy packing for export jobs is to be followed.
- Packing shall be suitable for storage at site in tropical climatic conditions.

| BHEL | | | | BIDDER/ SUPPLIER | | FOR CUSTOMER REVIEW & APPROVAL | | | | |
|--------------|---|--------------|--|------------------|---|--------------------------------|-------------|--------------|------|------|
| ENGINEERING | | QUALITY | | Sign & Date | | Doc No: | Sign & Date | | Name | Seal |
| Prepared by: | MEET SAGAR SINGH RAJPAL MUDIT CHOPRA | Name | MEET SAGAR SINGH RAJPAL/ MUDIT CHOPRA | Checked by: |  KUNAL GANDHI | Seal | | Reviewed by: | | |
| Reviewed by: | PRAVEEN DUTTA | Reviewed by: | PRAVEEN DUTTA | Reviewed by: | RITESH KUMAR JAISWAL RITESH KUMAR JAISWAL | Approved by: | | | | |

|  | | MANUFACTURER/ BIDDER/ SUPPLIER NAME & ADDRESS | | | STANDARD QUALITY PLAN | | | | SPEC. NO : | | DATE: | |
|---|------------------------|--|-------|---------------|-----------------------------------|------|--------------------|--|-------------------|--------------------|--|---------------------|
| | | | | | | | | | CUSTOMER : | | QP NO.: PE-QP-999-558-E001, R04 | |
| | | | | | PROJECT: | | | | PO NO.: | | DATE: | |
| | | | | | ITEM: RIGID STEEL CONDUITS | | | SYSTEM: STATION LIGHTING SYSTEM | | SECTION: II | | SHEET 3 OF 3 |
| 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 | | | 7 | 8 | | | M C N | |

5. Latest revision/ year of issue of all the standards (IS/ ASME/ IEC etc.) Indicated in QP shall be referred.
6. BHEL reserves the right for conducting repeat test if required.
7. After packing and prior to issue MDCC, photographs of items to be dispatched shall be sent to BHEL purchase group for review.
8. Thickness of zinc coating shall be the average of the determination made at each end and the middle of the article.

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: CUSTOMER,
 P: PERFORM, W: WITNESS, V: VERIFICATION, AS APPROPRIATE
 MA: MAJOR, MI: MINOR, CR: CRITICAL, D: DOCUMENTATION

| BHEL | | | | | |
|--------------|---|---|--------------|---|--|
| ENGINEERING | | | QUALITY | | |
| | Sign & Date | Name | | Sign & Date | Name |
| Prepared by: | MEET SAGAR SINGH RAJPAL MUDIT CHOPRA | MEET SAGAR SINGH RAJPAL/ MUDIT CHOPRA | Checked by: |  | KUNAL GANDHI |
| Reviewed by: | PRAVEEN DUTTA | PRAVEEN DUTTA DIRECTOR, STATION LIGHTING ELECTRICALS LIMITED, c/o-UTTAR PRADESH K-2, 40/72, 308, Sector-10, Gurgaon Pin-122001 Date: 2020/07/25 12:27:51 +05'30' | Reviewed by: | RITESH KUMAR JAISWAL | RITESH KUMAR JAISWAL DIRECTOR, STATION LIGHTING ELECTRICALS LIMITED, c/o-UTTAR PRADESH K-2, 40/72, 308, Sector-10, Gurgaon Pin-122001 Date: 2020/07/29 09:00:49 +05'30' |

| BIDDER/ SUPPLIER | |
|------------------|--|
| Sign & Date | |
| Seal | |

| FOR CUSTOMER REVIEW & APPROVAL | | | |
|--------------------------------|-------------|------|------|
| Doc No: | | | |
| | Sign & Date | Name | Seal |
| Reviewed by: | | | |
| Approved by: | | | |

ANNEXURE-A
PACKING SPECIFICATIONS- RIGID STEEL CONDUITS

PACKING

1. The material shall be packed to ensure protection against damage during transit, storage for prolonged periods and handling.
2. The ends of conduits shall be sealed with protective caps.
3. Each conduit shall be wrapped in plastic to prevent dust deposition.
4. The conduits should be aligned and stacked in bundles (a maximum of 25 pieces per bundle).
5. Each bundle shall be covered with jute fibre / thick plastic wrap for protection against extreme weather. Then, the bundle shall be tied with twin-strand mild steel wire, strong rope or steel strip.

3 X 800 MW PATRATU TPS
BOQ CUM PRICE SCHEDULE OF RIGID STEEL CONDUITS

| S. No. | ITEM CODE | DESCRIPTION | UNIT | QUANTITY |
|---------------|------------------|--------------------------------------|-------------|-----------------|
| 1 | 558-15006-A | GI CONDUITS 1.6MM THK EPOXY 25MM DIA | MTR | 500 |
| 2 | 558-15002-A | GI CONDUITS,1.6MM THICK, 20MM DIA | MTR | 90000 |
| 3 | 558-15003-A | GI CONDUITS,1.6MM THICK, 25MM DIA | MTR | 10000 |
| 4 | 558-15004-A | GI CONDUITS,2.0MM THICK, 40MM DIA | MTR | 1000 |
| 5 | 558-15005-A | GI CONDUITS,2.0MM THICK, 50MM DIA | MTR | 500 |

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-.....

Name of Package:

Dear Sir,

We hereby certify that items offered by us of(package name).....(Project Name/Rate contract) meets the requirement of minimum local content in line with Cl. No..... of NIT No..... dated..... and the Public Procurement (Preference to Make in India), Order 2017 dated- 15.06.2017, 28.05.2018 & 29.05.2019.

We further confirms 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

ON COMPANY LETTER HEAD

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

Kind Attn. Mr.

Dear Sir,

This has reference to:

1. Our offer forfor 3x800 MW PVUNL PATRATU TPP , Tender No.dated
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.*

I hereby certify that M/s (Company Name_____) fulfil all requirements in this regard and is eligible to be considered.

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

Thanking You,
Yours faithfully,

Director/Properiter/Partner
M/s _____