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परमाणु ऊर्जा विभाग, भारत सरकार का एक सहायता प्राप्त
संस्थान
An Aided Institute of Department of Atomic Energy,
Government of India



इन्दिरा पुल के पास, भट, गांधीनगर - 382 428 भारत
दूरभाष: (079) 2396 2020/2021/2028
फैक्स: 91-079-23962277
वेब: www.ipr.res.in

NEAR INDIRA BRIDGE, BHAT
DIST. GANDHINAGAR - 382 428 (INDIA)
Phone: (079) 2396 2020/2021/2028
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ENQUIRY

ENQUIRY NO : IPR/EQL/18-19/378
Date : 23-01-2019

Due on : 28-02-2019 by 1:00 PM IST

Please send your offer in sealed envelope specifying Enquiry No, Date & Due Date, ALONG WITH your credentials for the following items:

Important Note:

Please note that e-mail quotations are not acceptable however you may send your queries (if any) to localpurchase@ipr.res.in

Please ensure your sealed quotation reaches this office not later than above mentioned due date and time.

Kindly go through the following documents properly before quoting which are available on the IPR web portal i.e., http://www.ipr.res.in/documents/tender_terms.html / attached herewith.

- 1) Instructions to the bidders & Terms and conditions (refer Form No: **IPR-LP-01.V4**)
- 2) Bidding format

GST for Goods and Services (IGST/CGST/SGST TAX BENEFITS): Please refer **clause no: 8** of Form No: **IPR-LP-01.V4**

QUOTATION SHOULD BE ADDRESSED TO PURCHASE OFFICER ONLY

Sr No	Description	Quantity
1	GI Earthing Strip W 50mm, Thk 6mm as per IPR specification.	180.0 Mtrs.
2	Installation of Earthing Strip and supply of fastening accessories.	180.0 Nos.

Note: Earth Strip for transformer
TDS as per CGST Act: As per provisions of section No. 51 of the CGST Act 2017,
TDS @2% (IGST 2% or CGST 1% and SGST 1%) will be deducted while making payment to the suppliers where total value of orders/contracts/work orders exceeds Rs. 2.5 lakhs, in the event of order in Indian Rupees.
Necessary TDS Certificate will be issued to the supplier after TDS deduction.

Encl: As per attachment.

Sd/-

Mr. D. Ramesh

Information to Vendors: We are working towards a single platform for our future requirement. Hence, please refer IPR website i.e, <http://www.ipr.res.in/documents/tendersenq.htm> for our future requirement.

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Quotation for supply of Earthing Strip and laying to be filled by the vendor

Vendor can submit Quotation for Part (1 or 2) or Full (1 and 2) job

Sr.no.	Description	Qty.	Rate
1.	Material charges: 1. 50*6 mm GI Flat strip as per specification	1 meters	
	Transportation and unloading charges: 1. 50*6 mm GI Flat strip.	Complete lot	
2.	GI Strip Laying charges 1. Charges of Laying of GI strips.	1 meters	
	Accessories fastener used for installation 1. SS/MS nut and Bolts, nails etc.	1 KG	
3	Other charges if any	LOT	
4	Total charges	Total	

Seal

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Technical compliance form

Sr.No.	Particulars	IPR requirements	Vendors Specification
1.	Supply of GI Earthing Strip	GI pipe 50 mm * 6 mm, minimum individual strip 6 Meters length, Hot dipped galvanized as per IS 2629, tested as per 2633	
2.	Installation of Earthing strip	Installation of Earthing strip between Earthing Pit and Equipment as per layout directed.	
3.	Supply of SS/MS accessories	MS/SS accessories to be supplied and used for fastening the Strip.	

Vendors Seal and Stamp

1.2.2021

Technical Specification for Supply and installation Earthing Flats

1. **Scope of Work:** This section of the specification covers the supply, laying and installation of Earthing Flats of size 50 mm*6mm GI flats at Utility building IPR.

Purpose: the purpose for the specification is to supply reliable electrical Earthing conductor for 11KV AC and 415V AC transformers and Panels.

2. **Applicable standards:** standards with latest amendments may be referred to.

Sr.no.	IS	Definition
a	IS: 2629	Recommended practice for hot dip galvanized of Iron Earthing Strips.
b	IS: 2633	Methods of testing weight, thickness & uniformity of coating on hot dip galvanized articles.
c	IS: 5358	Specification for hot dip galvanized coating on fastness.
d	IS:3203	Specification for Electroplating
e	IS: 4759	Specification for hot dip Zinc coating on structural and other allied products
f	IS: 209	The zinc required for galvanizing

3. General requirements:

A. (PART 1) Supply of GI Earthing Flats /Conductor: Quantity: 180 Meters of GI Earthing Strips Flats

Sr.no	Work	Description
a.	Dimensions	Flats 1. Width \approx 50 mm (tolerance +/- 1.5 mm) 2. Thickness \approx 6 mm (tolerance +1mm, -0.5 mm) 3. Length not less 6 meters for single strip Flats length (tolerance +/- 10 cm per Flats strip length)
b.	Material	G.I. flats hot dip galvanized as per is IS:4759
c.	Zinc and Galvanization	As per IS 209, IS 2629,
d.	Weight of zinc coating	The weight of zinc coating shall be as per IS:2633, i.e. not less than 610 gms./sq.mtr
e.	Material finish	All finished galvanized material shall be free from sharp edges, lumps, blurs and unevenness.
f.	Surface finish	The surface shall be even and smooth to facilitate smooth electrical connectivity.

B. (PART 2) Laying and Installation of Earthing conductor (approx. 180 meters) GI STRIP, supply of SS/MS accessories (approx. 4 Kg)

Sr.no	Work	Description
a.	Installation location	Ground floor Utility Building, PF transformer bays, installing the Earthing strips between Earthing Pits and transformers and panels, (11 numbers of transformers and panels to grid and pits)
b.	Fixing hardware	Providing necessary fixing hardware (nut, bolts, nails etc.) and others accessory is in the scope of the vendor. All hardware (nut, bolt & washer etc.), used for connection/joints except where welding is done, shall be made of steel (SS/MS).
c.	Quantity	Exact quantity of earth strip to be laid at each bay will be as per the site

		location.
d.	welding	The joining of two earth strip can be done by welding or bolting. Where ever Welding is employed for joining and bonding the earth strip, it should be free from defects, and the joints are to be cleaned properly and black bitumen or rust proof paint shall be applied after the job
e.	joints	Joints and tapings in the Earthing Grid shall be made in such a way that reliable and good electrical connections are permanently ensured. All welded joints shall be suitably protected by applying red oxide paint or bitumen
f.	Cutting and Bending	The Earthing strip may be needed to cut and / or bend at certain places to complete the scope of work.
g.	Fixing and installation	Fastening and installation of earth strips is to be done by bolting at earth pit and where earth strips are connected to equipment etc. At some locations like Wall (max. height 2.5 meters) and parapets etc. earth strip shall be fixed/ clamped to the surface with the help of appropriate clamps.

1. Other requirements:

1. The vendor may visit the site before quoting for the job.
2. All the work mentioned shall be completed under the supervision of IPR personnel.
3. The supplier shall ensure that the material and workmanship conform to the relevant standards and comply with the requirements of the specification
4. The necessary tools, tackles; consumables, installation material, welding machine and labour required for the works, Earthing Measurement material is in the scope of the contractor.
5. Points for Rated Electric power at (230/415 VAC).
6. The vendor can suggest addition/removal of items in the specification, if it serves the best purpose of the Job.
7. The contractor has to follow all the safety rules and regulations etc. and guide his manpower for the safe working condition.
8. The material shall be packed to ensure protection against damage during transit, storage for prolonged periods and handling.
9. The Job is two part job, part 1: Supply Earthing strip, transportation and unloading at IPR, Part2: Earthing strip Installation and supply of fastening accessories.
10. Vendor is free to quote for both part 1 and 2, or Part 1 or Part2.

2. Acceptance/Certificates and warranty:

1. Visual examination test at IPR for quantity and dimensional verification.
2. Test certificate of the test performed (Galvanizing etc.) for the supplied material shall be submitted with the material.
3. Minimum warranty of the Earthing Flats 3 month from the date of acceptance.

