



North Bihar Power Distribution Company Limited

Regd. Office-Vidyut Bhawan, Bailey Road, Patna.

CIN No:U40109BR2012SGC018920

(Department of Project II)

Letter No- 292 /

dated 20/7/23 /

NB/P-II/Kishanganj/RDSS/ Vaishno Associates/33/2023

Contact No – 09264437179

Email – cerdssnbpdc12@gmail.com

From,

Pranav Kumar
Chief Engineer (Project-II)

To,

M/s Vaishno Associates Vidyut Projects LLP,
H.O-14-15,3rd Floor, Gajraj Tower,
Motilal Atal Road, Jaipur-302001,

Email – vaishno-elect@rediffmail.com, rohitkr.elect@gmail.com, vaishno.rdsskishanganj@gmail.com

Sub: - Regarding approval of GTP & Drawing of GI Fabricated steel structure items, Danger Board & Earthing pipe against NIT No.-35/PR/NBPDCL/2022 for Kishanganj Circle.

- Ref :-
- 1) NIT No.-35/PR/NBPDCL/2022
 - 2) NOA No.-23 & 24 dated 06.03.2023
 - 3) This office Letter No. 138 dated 08.06.2023
 - 4) This office Letter No. 124 dated 07.07.2023
 - 3) Your Lt. No.- VAVP/NBPDCL/RDSS/KISH/2023-24/44 dated 12.06.2023

Sir

With reference to the subject noted above, please find enclosed herewith the GTP & drawing of GI Fabricated steel structure items, Danger Board & Earthing pipe for Development of Distribution Infrastructure against NIT No.-35/PR/NBPDCL/2022 for Kishanganj Circle under Revamped Reforms-Based And Results-Linked, Distribution Sector scheme.

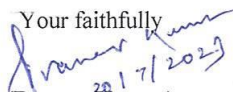
Sl. No.	Name of Firm and address	Name of Material/Equipment
1.	M/s Vaishno Associates Registered Office- 3 rd Floor, 14-15, Moti Lal Atal Road, Jaipur, PIN-302001 Rajasthan. Manufacturing Unit- A-164A phase-II, RIICO industrial area, Bagru, Jaipur, Rajasthan, 303007.	GI Fabricated steel structure items, Danger Board & Earthing pipe.

The Correction wherever required in GTP/Drawing submitted by the manufacturer has been done. However, these drawing shall be subject to correctness as per technical specifications of the tender document and the entire responsibility of the correctness of the drawing as per the specification as well as supply of material according to the technical specification of the contract agreement shall be responsibility of the contractor.

In case of any conflict or contradiction between GTP/ Drawings & Technical Specification, the decision of C.E. (Project-II) shall be final and binding on both the parties. Contractor shall have to replace the material to the entire satisfaction of the owner in case the material is found unsuitable for use in the project, at any stage.

Please carry out the works immediately under conditions stated above.

Encl:- As above.

Your faithfully

(Pranav Kumar)

Chief Engineer (Project-II)

Memo no 292/

dated 20/7/23

Copy forwarded M/s Vindhya Telelinks Limited, Club 125, 6th Floor, Tower A, Plot No- 3, 4 & 5, Sector 125, Noida, UP-201301/ M/s Ashoka Buildcon Ltd., S.No.-861, Ashoka House, Ashoka Marg, Vadala, Nashik-422011/M/s Polycab India Ltd., Polycab House, 771, Pandit Satwalekar Marg, Mumbai / M/s NCC Ltd., NCC House, Survey no. 64, Madhapur, Hyderabad, 500081 / M/s JSP Projects Pvt. Ltd., Flat No.-5, IInd Floor, IIIrd B-2, Nehru Nagar, Ghaziabad (UP)-201001 /M/s CABCON India Ltd., 1st Floor; The Terminus Building, BG-12, Action Area- 1 B, New Town, Kolkata-700156 / M/s Techno Power Enterprises Pvt., INFINITY "THINK TANK" Tower II, 10th Floor Plot No. A3, Block-GP, Sector V, Salt Lake City, Kolkata-700091 (WB) for information and necessary action.

Pranav Kumar
20.7.2023

(Pranav Kumar)
Chief Engineer (Project-II)
dated 20/7/23

Memo no 292/

Copy forwarded to Chief Engineer, Project-I (Urban), NBPDCI for information and further needful action.

Pranav Kumar
20.7.2023

(Pranav Kumar)
Chief Engineer (Project-II)
dated 20/7/23

Memo no 292/

Copy forwarded to M/s Rodic Consultant, Hq team for information and further needful.

Pranav Kumar
20.7.2023


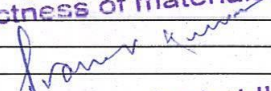
(Pranav Kumar)
Chief Engineer (Project-II)
dated 20/7/23

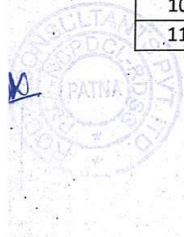
Memo no 292/

Copy forwarded to OSD to MD/ Director (Project), NBPDCI for kind information.




Pranav Kumar
20/7/2023

(Pranav Kumar)
Chief Engineer (Project-II)

		Vaishno Associates A-164 (A), Riico Industrial area, Phase-II, Bagru, Jaipur (Rajasthan) ISO: 9001-2008 Ph.: 9314741942	
e mail: sks00004@gmail.com		Ph.: 9314741942	
GUARANTEED TECHNICAL PARTICULARS GALVANIZED & FABRICATED LINE MATERIALS Such as V Cross Arms, Clamps, Channels for Supports , Cross Bracings , Extensions etc.			
I	Project	Development of Distribution Infrastructure at Kishanganj Electric Supply Circle (Kishanganj & Araria Districts) of Bihar under the Revamped Reforms-based and Results-linked, Distribution Sector Scheme against NIT No.35/PR/NBPDCL/2022 Under "RDSS Scheme."	
II	Customer	NBPDCL,PATNA	
III	Contractor	M/S VAISHNO ASSOCIATES VIDYUT PROJECT LLP, JAIPUR	
IV	LOA No.	NB/P-II/RDSS/TENDER/25/2022 L. NO. 23 DATED 06.03.2023 (SUPPLY) NB/P-II/RDSS/TENDER/25/2022 L. NO. 24 DATED 06.03.2023 (ERECTION)	
Sl. no.	Item	Hot Dip Galvanized MS Angles	
1 (i)	Size & Sectional	45x45x6-4.0 kg/M appx (as per IS) 45x45x5 3.4 kg/m	
		50x50x6-4.5 kg/M appx (as per IS)	
		65x65x6-5.8 kg/M appx (as per IS)	
(ii)	Size & Sectional	100x50x5-7.9 kg/M appx (as per IS) 100x50x6-9.560 kg/m	
		75x40x5-5.7 kg/M appx (as per IS) 75x40x6-7.140 kg/m	
		Hot Dip Galvanized MS Flat	
(iii)	Size & Sectional	50x8-3.14 kg/M appx (as per IS)	
		50x6-2.36 kg/M appx (as per IS)	
		40x5-1.6 kg/M appx (as per IS) 50x3-1.197 kg/m	
		30x3-.701kg/M appx (as per IS)	
2	Standard	IS 2062/Gr. E250 FE 410W Grade A & Relevant Specification	
3	Fabricator & Galvanizer		
4	Roller / Manufacturer	Local Reputed Rolling Mills	
5	Chemical Composition	Parameter	APPROVED Subject to the condition that you are not absolved of the responsibility of Correctness of materials  Chief Engineer (Project-II) NBPDCL
	1. C	0.23 (Max.)	
	2. Mn.	1.50 (Max.)	
	3. S	0.05 0.045 (Max.)	
	4. P	0.05 0.045 (Max.)	
	5. Si	0.40 (Max.)	
	6. CE (Carbon Equivalent)	0.42 (Max.)	
6	Tensile Strength	410	
7	Yield stress (for thickness/ Diameter)	240 250 MPa (Min)	
	A. Less than 20mm	-	
	B. Between 20 to 40mm	-	
	C. More than 40mm	-	
8	Elongation %	23 (Min.)	
9	Dimension of cross section	As per tech specification	
10	Bend Test (Internal dia)	3T As per IS	
11	Tolerance in Dimension	As per tech specification	



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 AEE(P-II) EEE(P-II) ESE(P-II)

12	Finish	
13	Standard for method of testing of galvanizing	As per Tech Specification
14	Mild steel grade	Mild steel shall conform to IS:2062 Grade "A"
15	Mass of zinc Quotation as per IS: 6745 Dip Test as per IS 2632	zinc coating shall not be less than 610 gm/sq mm (min.) 6 dips of 1 min. each
16	Welding	All weld shall be 6mm filled weld unless specified otherwise
17	Grade and size of channels, angles and flats	ISMC Grade channels, ISA Grade Angles and Flats as per IS:2062 with standard length of 5.5 to 13.5 mtr for channels/ Angles & 5.5m to 9.5mtr for Flats
18	Weight	Total mass of the steel shall be calculated on the basis that Steel weighs 7.85 g/cm ³ as per clause 18 of IS 2062:2011



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[Signatures]
AEE(P-II) EEE(P-II) ESE(P-II)

APPROVED
Subject to the condition that you are not absolved of the responsibility of Correctness of materials

[Signature]
Chief Engineer (Project-II)
NBPDCL



[Mirrored/Inverted text from the reverse side of the page, including 'APPROVED' and 'Subject to the condition...']





Vaishno Associates

A-164 (A), Riico Industrial area,
Phase-II, Bagru, Jaipur (Rajasthan)

e mail: sks00004@gmail.com

Ph.: 9314741942

GUARANTEED TECHNICAL PARTICULARS FOR GI EARTHING PIPE 40 MM DIA, 3000 MM LONG

I	Project	Development of Distribution Infrastructure at Kishanganj Electric Supply Circle (Kishanganj & Araria Districts) of Bihar under the Revamped Reforms-based and Results-linked, Distribution Sector Scheme against NIT No.35/PR/NBPDCL/2022 Under "RDSS Scheme."
II	Customer	NBPDCL,PATNA
III	Contractor	M/s VAISHNO ASSOCIATES VIDYUT PROJECT LLP, JAIPUR
IV	LOA No.	NB/P-II/RDSS/TENDER/25/2022 L. NO. 23 DATED 06.03.2023 (SUPPLY) NB/P-II/RDSS/TENDER/25/2022 L. NO. 24 DATED 06.03.2023 (ERECTION)
Sl. no.	Description	Guaranteed Value for Earthing Pipe 40-NB Dia 3.0 Mtr long (Medium Quality)
1.	Standard Specification of Material	ISI Marked "B" Class confirming to IS: 1239 OR its latest amendment
2.	Particulars of Raw Material	
(a)	Material Description	Pipe Should be in One Piece with One end of the pipe cut half in slope to make it sharp and No joints or welding would be allowed as per IS: 554/1985 with latest amendment
(b)	Diameter of Earthing Pipe	40 Mm NB
(c)	Thickness of Pipe	2.9 Mm
(d)	Weight of Plane Pipe	3.56 Kg/Mtr.
(e)	Diameter of the hole	12 Mm
(f)	Threading	Threading of the nut and bolt shall confirm to IS
(g)	Material of GS Clamp	GI Flat-welded at the top end of the pipe
(h)	Dimension of GS Clamp	50x6 Mm, 02 Nos
(3)	Galvanization	
a	Type	Heavy Coating
b	Minimum mass of Zinc coating on GI wire used (As per IS: 6745/1972) on 100 mm long test piece	400 Gm/m ²
c	Uniformity of Galvanization	As per IS: 2633-1986
4	Clamp arrangement	2 No of Clamp one welded with pipe and another removable type
5	Nut Bolt	Nut Bolt and SP washer shall confirm to IS: 2062 and hot dip galvanised as per IS 2629 & IS:4759
6	Hydraulic test : Sustain test pressure maintained at least for 3 seconds without showing defect of any kind	5 M Pa
7	Tensile strength	320 N/mm ² (Min)
8	Elongation	20% (Min)
9	Dia of holes provided across the circumference of pipe	Necessary 12 Mm holes across the circumference of pipe
10	Bend Test	As per Is: 2329/1985
11	Dip Test	4 Nos x 1 Min.
12	Tolerance	As per Table-I & Table-II of IS: 1239 (Part-I)/1990 with latest amendments.

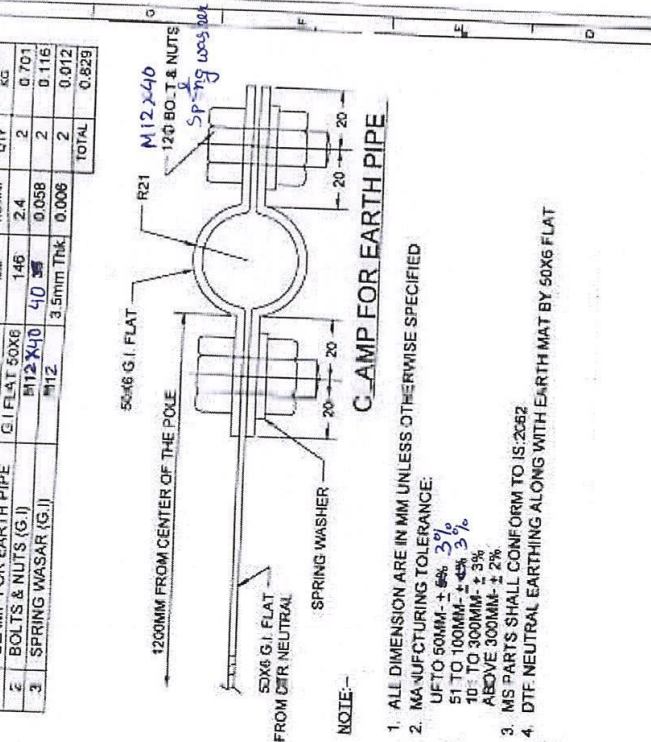


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Chief Engineer (Project-II)
NBPDCL

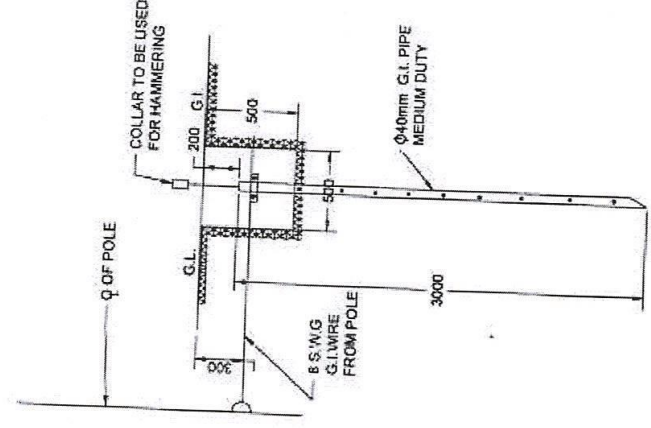
SR.NO	DESCRIPTION	SECTION	LENGTH IN MM	KG./MT	QTY	TOTAL IN KG.
1	CLAMP FOR EARTH PIPE	G.I FLAT 50X6	146	2.4	2	0.701
2	BOLTS & NUTS (G.I)	M12 X 40	40	0.058	2	0.116
3	SPRING WASAR (G.I)	M12	3.5mm THK	0.006	2	0.012
TOTAL						0.829



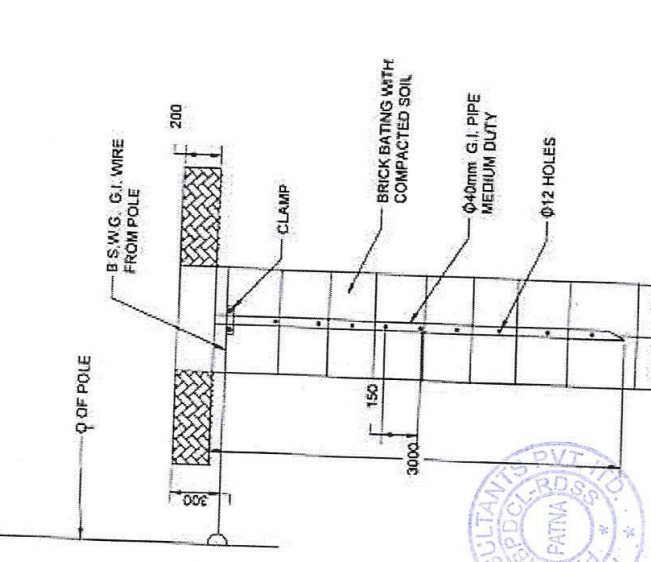
NOTE -

1. ALL DIMENSION ARE IN MM UNLESS OTHERWISE SPECIFIED
2. MANUFACTURING TOLERANCE:
 UPTO 50MM - ± 0.5%
 51 TO 100MM - ± 0.5%
 101 TO 300MM - ± 3%
 ABOVE 300MM - ± 2%
3. MS PARTS SHALL CONFORM TO IS:2062
4. DTR. NEUTRAL EARTHING ALONG WITH EARTH MAT BY 50X6 FLAT

ALL DIMENSION ARE IN MM.



EARTHING ORDINARY SOIL WHERE PIPE COULD BE HAMMERED IN



EARTHING FOR HARD STIFF OR MEDIUM CLAY

CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD
PROJECT	RDSS Reramped Distribution Sector Scheme
LOA NO.	NB/P-W/RDSS, TENDER/25/2022/NO.23/DATED 06.03.2023 (I) NB/P-W/RDSS, TENDER/25/2022/NO.24/DATED 06.03.2023 (II)
CONTRACTOR	VASHNO ASSOCIATES VIDYUT PROJECTS LLP - JAIPUR
TITLE	TYPICAL PIPE TYPE (TREATED) EARTHING DETAILS
DATE	SCALE NTS
	SIZE A4
	DRG NO. VMP/PLP/RDSS/PLAN-IT-021

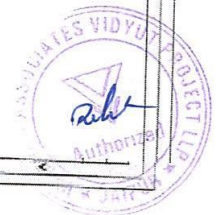


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for
 AEE(P-II) EEE(P-II) ESE(P-II)

Chief Engineer (Project-II)
 NBPDC



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CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD. (NBPDC)		
PROJECT	Revamped Reforms-based and Results-linked, Distribution Sector Scheme Under Circle Kishanganj		
LOA No.	Supply Contract- NOA No. 23 dated 06.03.2023		
	Erection Contract- NOA No. 24 dated 06.03.2023		
CONTRACTOR	Vaishno Associates Viduyt Projects LLP, Bihar		
GUARANTEED TECHNICAL PARTICULARS OF 11 KV DANGER BOARD			
Sl. no.	Description	Unit	Details
1	Name of the Manufacture & Address		VAISHNO ASSOCIATES A-164 (A), PHASE-II, EXTN., RIICO INDUSTRIAL AREA, BAGRU, JAIPUR, RAJASTHAN (303007)
2	Are Drawing enclosed		Yes
3	Voltage	Volt	11000 V
4	Thickness of Plate	Mm	1.6
5	Size of Holes	Mm	10
6	Size of Letter		As per Specification.
7	Material		MS Sheet, Viterous Enamelled <i>white with letters, figures, & conventional skull</i>
8	Size of Plate	Mm	250X200X1.6 MM
9	Colour of background		White
10	Colour of Letter		Red <i>Signal Red (IS:5-1978)</i>
11	Nos of Holes	Nos	2 Nos.
12	IS Specification		IS 2551/1982, IS 8709/M/1977, IS 3972 <i>along with ammendment as on date</i>
13	Weather Proof		As per IS 8709-1977
14	Tolerance in All	%	± 3%
15	Language		Enelish. Hindi

and cross bones.

Rear side of plate shall also be enameled.

Danger Board Clamp - Made of 30x3mm Galvanized MS Flat.



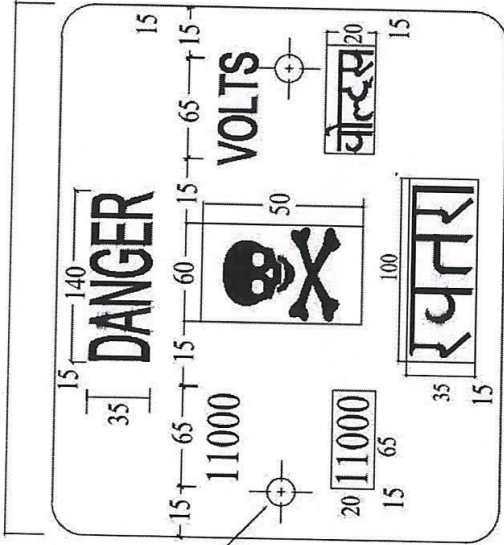
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AW
AEE(P-II) EEE(P-II) ESE(P-II)



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Subject to the condition that you are not absolved of the responsibility of Correctness of materials
Praveen Kumar
Chief Engineer (Project-II)
NBPDC



250



Not Less than 6mm Dia
G.I. Bolt To Be Used



APPROVED
 Subject to the condition that
 you are not absolved of the
 responsibility of
 correctness of materials

CHECKED

[Signature]
 AEE(P-II) EEE(P-II) ESE(P-II)

[Signature]
 Chief Engineer (Project-II)
 NBPDCL



ALL DIMENSION ARE IN MM.

CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD.			
PROJECT	ROSS Revamped Distribution Sector Scheme			
LOA NO.	NBP-II/ROSS/TENDER/25/2022/NO.23 DATED-06-03-2023 SUPPLY NBP-II/ROSS/TENDER/25/2022/NO.24 DATED-06-03-2023 ERECTION			
CONTRACTOR	VAISHNO ASSOCIATES VIDYUT PROJECT LLP, JAIPUR			
DRN.	NAME	SIGN	DATE	TITLE
CHD.				11 KV/DANGER PLATE
APPD.				
SCALE				
SHEET				
NTS	1 OF 1			
DRG. NO.	VAVPLP/RDSS/PLAN-11KV-0017			REVISION
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