



North Bihar Power Distribution Company Limited

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

CIN No:U40109BR2012SGC018920

(Department of Project II)

Letter No- 423 /

dated 21/08/2023 /

NB/P-II/Kishan/RDSS/ Vaishno Associates/79/2023

Contact No – 09264437179

Email – cerdssubpdcl2@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 Fabrication & Galvanized electric line materials, LT Stay set, Earthing pipe (Galvanized Pre-Fabricated Steel ITEMS) for work of “RDSS PROJECT” 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) Your Lt. No.- VAVP/NBPDCL/RDSS/KISH/2023-24/76 dated 17.08.2023

Sir

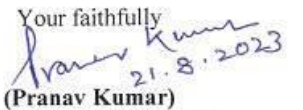
With reference to the subject noted above, please find enclosed herewith the GTP & drawing of Fabrication & Galvanized electric line materials, LT Stay set, Earthing pipe (Galvanized Pre-Fabricated Steel ITEMS) for work of “RDSS PROJECT” for Development of Distribution Infrastructure against NIT No.-35/PR/NBPDCL/2022 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.	1.Fabrication & Galvanized electric line materials (Galvanized Pre-Fabricated Steel ITEMS) 2. LT Stay set 3. Earthing pipe	M/s. REINO PREFAB PVT. LTD. Registered office at – C-402, 4 th Floor, 4 D. L Khan Road, Kolkata Work address- 45 banares Road, Howrah (711101)

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.

Your faithfully

21.8.2023
(Pranav Kumar)

Chief Engineer (Project-II)

Memo no 423

dated 21/08/2023

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
21.8.2023

(Pranav Kumar)

Chief Engineer (Project-II)

dated 21/08/2023

Memo no 423

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

Pranav Kumar
21.8.2023

(Pranav Kumar)

Chief Engineer (Project-II)

dated 21/08/2023

Memo no 423

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

Pranav Kumar
21.8.2023

(Pranav Kumar)

Chief Engineer (Project-II)

dated 21/08/2023

Memo no 423

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

Pranav Kumar
21.8.2023

(Pranav Kumar)

Chief Engineer (Project-II)



Reino Prefab

Reino Prefab Pvt. Ltd.,
Corporate Office: C-402, 4th Floor,
4 D.L.Khan Road, Kolkata 25
Works: 45/29 Benaras Road, Howrah- 711101

242

**GUARANTEED TECHNICAL PARTICULARS FOR EARTHING ELECTRODE OF GI PIPE 40
NB, 3 MTR LONG**

S.NO.	PARTICULARS	DESCRIPTION
1	Name of Manufacturing 1) Office 2) Works 3) Contact Person	REINO PREFAB PRIVATE LIMITED C-402, 4 th Floor, 4 D.L.Khan Road Kolkata-700025 45/29 Banaras Road, Howrah- 711101 VIVEK DROLIA, M.NO. 9831159955
2	Name of Contractor	M/s. VAISHNO ASSOCIATES VIDYUT PROJECTS LLP, JAIPUR
	Name of Client	NORTH BIHAR POWER DISTRIBUTION CO. LTD. (NBPDC), PATNA, BIHAR
	Name of Work	RDSS WORKS AT ELECTRIC SUPPLY CIRCLE KISHANGANJ
2	Noa No.	NB/P-II/RDSS*TENDER/25/2022 NOA NO. 23 & 24 DATED 06-03-2023
	Description of Item	GI PIPE EARTHING, 40 NB
3	Trade Mark	RPPL (TAGGING)
4	Standard to which Material shall conform	STANDARD- IS:1239 : 2004 (medium) for Pipe and IS:2062 for Clamp, ISI Marked
5	Dimension	Dia od Pipe 40 NB Length of Pipe 3000 mm Thickness of Pipe 3.2 mm Dia of hole on Pipe 12 mm Hole to hole distance on Pipe 150 mm Clamp Dimension : 50x6 mm Flat 14 mm hole (2 nos.)
6	Galvanizing Standard	As per IS:2633/72 with latest amendment
7	Weight of Zinc coating	400 gm/m ² (As per IS:6745 : 1972, IS:4736
8	Hydraulic Test	Shall with stand a pressure of 5 Mpa for atleast 3 sec. (raw material test certificate)
9	Details of accessorise	40 NB 3000 mm long Pipe with 1 Clamp Welded (GI flat 50x6 mm) + 1 loose clamp (GI flat 50x6 mm) & set of Nut Bolt & Washer.
10	General Tolerance	As per IS: 1239 part 1/1990 with latest amendment
11	Tensile strength	320 N/mm ²
12	Elongation	20% (Min.)
13	Material as per Drawing No.	RPPL/EP/001
14	Weight of Plain Pipe	3.56 kg/mtr
15	Threading	Threading of Nut Bolt shall confirm to IS
16	Nut & Bolt	Nut Bolt & Washer shall confirm to IS:2062 and Dip galvanized As per IS:2629 & IS:4759
17	Dip Test	As per IS:4736 & IS:2633 with latest amendment



Note: i) The material must comply TS of REC & relevant IS.
ii) Manufacturer must have valid Type Test report as mentioned in TS of REC at the time of inspection.

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

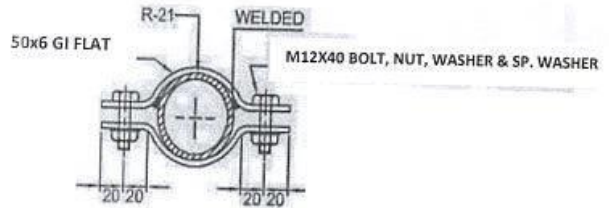
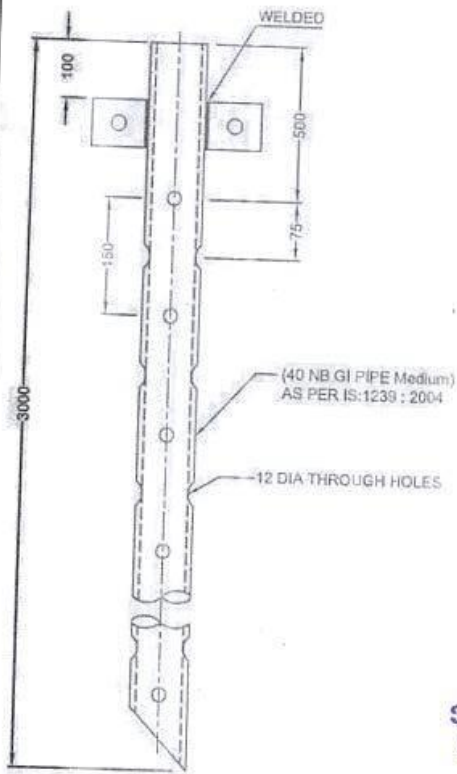
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Subject to the condition that you are not absolved of the responsibility of



Reino Prefab Pvt. Ltd.
Ph.: +9133 24540072, E-mail : reinokolkata@gmail.com, CIN : U36101WB2015PTC208491

[Signature]
Chief Engineer (Project-II)
NBPDC



S.NO.	DESCRIPTION	QTY PER SET	MATERIAL
1	40 NB GI PIPE	1 NO	MILD STEEL HDG
2	CLAMP FOR PIPE	1 SET	MILD STEEL HDG
3	M12x40 BOLT, NUT, WASHER	2 SET	MILD STEEL HDG
4	SPRING WASHER	2 NOS.	SPRING STEEL (EG)

TECHNICAL DATA:-

- 1) MATERIAL:- GI PIPE AS PER IS:1239 (MEDIUM GRADE):2004. FLAT AS PER IS:2062
- 2) ALL FERROUS PARTS HOT DIP GALVANIZED TO IS:4736
- 3) ONE NO. CLAMP WELDED TO PIPE + ONE LOOSE CLAMP
- 4) TOLERANCE AS PER IS:1239:2004
- 5) ALL DIMENSIONARE IN MM.

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

[Signature]
 Chief Engineer (Project-II)
 NBPDC

CLINT	NORTH BIHAR POWER DISTRIBUTION CO. LTD.
PROJECT	RDSS WORKS AT ELECTRIC SUPPLY CIRCLE KISHANGANJ
CONTRACTOR	VAISHNO ASSOCIATES VIDYUT PROJECT LLP, JAIPUR
TITLE	EARTHING ELECTROD OF GI PIPE 40 MM DIA, 3 MTR LONG
DRAWING NO.	RPPL/EP/001
NOA NO.	NB/P-II/RDSS*TENDER/25/2022 NOA NO. 23 & 24 DATED 06-03-2023
MANUFACTURER	Reino Prefab Private Limited 45/29 Benaras Road, Howrah - 711101



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





Reino Prefab

Reino Prefab Pvt. Ltd.
Corporate Office: C-402, 4th Floor,
4 D.L.Khan Road, Kolkata 25
Works: 45/29 Banaras Road, Howrah- 711101

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CONTRACTOR	M/s. VAISHNO ASSOCIATES VIDYUT PROJECTS LLP, JAIPUR
CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD. (NBPDC), PATNA, BIHAR
PROJECT	RDSS WORKS AT ELECTRIC SUPPLY CIRCLE KISHANGANJ
CONTRACT AGREEMENT	NB/P-II/RDSS*TENDER/25/2022 NOA NO. 23 & 24 DATED 06-03-2023
MANUFACTURER	REINO PREFAB PRIVATE LIMITED Head Office: C-402, 4 th Floor, 4 D.L.Khan Road Kolkata-700027 Works : 45/29 Banaras Road, Howrah- 711101

GUARANTEED TECHNICAL & OTHER PARTICULARS OF 16 mm DIA LT STAY SETS

SL.NO.	PARAMETERS	UNIT	TECHNICAL PARTICULARS
1.	ANCHOR ROD		Weight 2.80 kg ✓
a	Dia of GS Rod	mm	16
b	Overall Length of Anchor Rod	mm	1800
c	Threaded Portion		
(i)	Length	mm	40 & 300 mm
(ii)	Pitch	Thread/cm	5
d	GS Washer (1 no.)	mm	40x40x1.6
e	GS Hexagonal Nut of suitable size (Washer and Nut Conforming to IS : 1367:1967 and IS : 1363:1967)		3 Hexagonal Nut 1 Square Washer
2.	ANCHOR PLATE		Weight 1.87 kg ✓
a	Size of the GS Anchor Plate	mm	200x200x6
b	Dia of the hole made at the Centre of the plate	mm	18
3.	TURN BUCKLE (WITH EYE BOLT) BOW WITH WELDED ANGLE		Weight 3.28 kg ✓
a	Dia of the GS Rod used for BOW	mm	16
b	Overall length	mm	995
c	Height	mm	450
d	Magnitude of the Angle by which BOW is bended at the top	Radians	10 Radians
e	Length of 50x50x6 mm GS angle welded at the order end of the BOW	mm	180 mm CHECKED
f	Dia of the Eye Bolt	mm	16
q	Overall Length	mm	450
h	Threaded Portion		
(i)	Length	mm	300
(ii)	Pitch	Thread/cm	5
d	2 Nos. GS Hexagonal Nut of suitable size (Conforming to IS : 1367:1967 and IS : 1363:1967)		2 Hexagonal Nut
e	Inner Dia of the round Eye Made at other end of the rod	mm	40
4	TURN BUCKLE (WITHOUT EYE BOLT) BOW WITH WELDED ANGLE		Weight 2.4 kg ✓
a	Dia of the GS Rod used for BOW	mm	16
b	Overall length	mm	995
c	Height	mm	450

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you are not absolved of the
responsibility of
Correctness of materials

[Signature]
Chief Engineer (Project-II)
NBPDC

Reino Prefab Pvt. Ltd.
Ph.: +9133 24540072, E-mail : reinokolkata@gmail.com, CIN : U36101WB2015PTC208491





239

SL.NO.	PARAMETERS	UNIT	TECHNICAL PARTICULARS
d	Magnitude of the Angle by which BOW is bended at the top	Radians	10 Radians
e	Length of 50x50x6 mm GS angle welded at the order end of the BOW	mm	180 mm
5.	THIMBLE		2 Nos.
a	Thickness of the sheet used for thimble	mm	1.5
b	Size of the Thimble	mm	75x22x40
6.	WELDING IN VARIOUS COMPONENTS		
(i)	Minimum strength	KG	3100
a	IS:		As per IS:823/1964 with latest amendment
b	Threading		As per IS:4218:1967
7.	STAY CLAMP GI FLAT		
a	Dimension	mm	50x8
b	Nut Bolt 2 Nos. (With Washer)	Type	M 16x65
8.	GALVANIZING		The complete assembly shall be hot dip galvanized. As per IS:4759 and Zinc Coating shall not be less than 610 gm/m ²

TOLERANCES : The tolerances for various components of the stay set are indicated below :

S.NO.	ITEM	SECTION TOLERANCE	FABRICATION TOLERANCES	MATERIAL
1	Anchor Plate	6 mm Thick +12.5%, -5%	200x200 mm +1%	GS plate 6 mm Thick
2	Anchor Rod	16 mm Dia +5%, -3%	Length 1800mm +0.5% Rounded Eye 40 mm inside Dia +3%, threading 40 mm 1300mm	GS round 16 mm Dia GS round 16 mm Dia
3	Turn Buckle Bow	16 mm Dia +5%, -3%	Length 995 mm +1% Length 180 mm +1%	GS round 16 mm Dia GS Angle 50x50x6 mm
4	Eye Bolt Rod	16 mm Dia +5%, -3%	Length 450mm +1% Threading 300 mm +1% Round Eye 40 mm inside Dia +3%	GS Round 16 mm Dia

Note - i) The material must comply TS of REC & relevant IS.
ii) Manufacturer must have valid Type Test report as mentioned in TS of REC at the time of inspection.

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Chief Engineer (Project-II)
NBPDCI



Reino Prefab Pvt. Ltd.

Ph: +913825540072, E-mail: reinokolkata@gmail.com, CIN: U36101WB2015PTC208491





GUARANTEED TECHNICAL PARTICULARS FOR GALVANIZED & FABRICATED LINE MATERIALS
Such as V Cross Arms, Clamps, Channel for support, Cross Bracings, Extension etc.

S.NO.	PARTICULARS	DESCRIPTION	
1	Name of Manufacturing Office	Reino Prefab Private Limited	
	Works	C-402, 4 th Floor, 4 D.L.Khan Road Kolkata-700025	
	Contact Person	45/29 Banares Road, Howrah- 711101	
	Name of Contractor	Vivek Drolia, M.No. 9831159955	
2	Name of Client	M/s. Vaishno Associates Vidyut Projects LLP, Jaipur	
	Name of Work	North Bihar Power Distribution Co. Ltd. (NBPDC), Patna, Bihar	
	NOA No.	RDSS Works At Electric Supply Circle Kishanganj NB/P-II/RDSS*TENDER/25/2022 NOA NO. 23 & 24 DATED 06-03-2023	
S. NO.	PARTICULARS	DESCRIPTION	
1(i)	Size & Sectional	Hot Dip Galvanized MS Angles	
		50x50x6 mm – 4.5 kg/mtr appx. (as per IS)	
		45x45x5 mm – 3.4 kg/mtr appx. (as per IS)	
(ii)	Size & Sectional	Hot Dip Galvanized MS Channel	
		ISMC 100x50 mm – 9.56 kg/mtr (as per IS)	
		ISMC 75x40 mm – 7.14 kg/mtr (as per IS)	
(iii)	Size & Sectional	Hot Dip Galvanized MS Flat	
		50x8 mm – 3.14 kg/mtr appx.	
		50x6 mm – 2.355 kg/mtr appx.	
		50x3 mm – 1.178 kg/mtr appx.	
		30x3 mm – 0.707 kg/mtr appx.	
2	Standard	IS:2062/Gr. E250 Grade 'A' and IS:808 With Its Latest Amendments	
3	Fabricator & Galvanizer	M/s Reino Prefab Private Limited	
4	Reroller/Manufacturer	Local Reputed Rolling Mills	
5	Chemical Composition	Parameter	
		C	0.23 (max)
		Mn	1.50 (Max)
		S	0.045 (Max)
		P	0.045 (Max)
		Si	0.40 (max)
		CE (Carbon Equivalent)	0.42 (Max)
6	Tensile Strength	410 Mpa (Min.)	
7	Yield Stress (for Thickness/Diameter)	250 Mpa (Min.)	
		Less than 20 mm	-
		Less than 20mm to 40 mm	-
		More than 40mm	-
8	Elongation %	23 (Min)	
9	Dimension of cross section	As per approved Drawing/Technical Specification	
10	Bend Test (Internal Dia)	As per IS	
11	Tolerance in Dimension	As per IS	
12	Finish	Hot Dip Galvanized	
		Standard for Method of testing of Galvanizing	IS:4759 & IS:2633
		Mild Steel Grade	Mild Steel shall confirm to IS:2062 Grade 'A'

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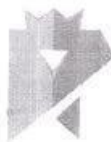
**Chief Engineer (Project-II)
NBPDC**



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[Signature]





Reino Prefab

Reino Prefab Pvt. Ltd.,
Corporate Office: C 402, 4th Floor,
4 D.L.Khan Road, Kolkata 25
Works, 45/29 Benaras Road, Howrah- 711101

S.NO.	PARTICULARS	DESCRIPTION
15	Macc of zino Quotation as per IS:4750	Zinc Coating shall not be less than 610 gm/sq. m (Min) for Thickness 5 mm & above and for others 460 gm/sq. m (Min)
	Dip Test as per IS:2633	6 Dip of 1 min. each for thickness 5 mm & above and for others 4 Dip of 1 min. each.
16	Welding Details	All weld shall be 6 mm filled weld unless specified otherwise
17	Grade & Size of Channels, Angles & Flats	ISMC grade Channels, ISA grade Angles & Flats as per IS:2062 with standard length of 5.5 m to 13.5 mtr for Channels/Angles & 5.5 m to 9.5 mtr for Flats.
18	Weight	The mass of steel shall be calculated on the basis that Steel weights 7.75 g/cm3 as per Clause 18 of IS:2062:2011
19	Technical Requirement of Plain Washers	As per requirement of IS:2016 along with its latest amendments.
20	Technical Requirement of Spring Washers	As Per Requirement of IS:3063 along with its latest amendments.
21	Technical Requirement of Nuts & Bolts	As per Property Class 5.6 of IS:1367 along with its latest amendments.

Notes: ii) The material has must comply technical specification of REC and relevant IS.
ii) Manufacturer must have valid Type Test report as mentioned in TS of REC at the time of Inspection

CHECKED
[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)
NBPDCI

