



# North Bihar Power Distribution Company Limited

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

CIN No:U40109BR2012SGC018920

(Department of Project II)

Letter No- 2/13 /

NB/P-II/Kishanganj/RDSS/ Vaishno Associates/70/2023

dated 23/06/2023 /

Contact No – 09264437179

Email – [cerdssnbpdc12@gmail.com](mailto:cerdssnbpdc12@gmail.com)

From,

Pranav Kumar  
Chief Engineer (Project-II)

To,

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

Email – [vaishno-elect@rediffmail.com](mailto:vaishno-elect@rediffmail.com), [rohitkr.elect@gmail.com](mailto:rohitkr.elect@gmail.com), [vaishno.rdsskishanganj@gmail.com](mailto:vaishno.rdsskishanganj@gmail.com)

**Sub: - Regarding approval of GTP & Drawing of 8 Mtr. 200 Kg PSC Pole & 9 Mtr. 300 Kg PSC Pole 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/2023-24/52 dated 21.06.2023

Sir

With reference to the subject noted above, please find enclosed herewith the GTP & drawing of 8 Mtr. 200 Kg PSC Pole & 9 Mtr. 300 Kg PSC Pole 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.

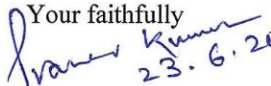
Sl. No.	Name of Firm and address	Name of Material/Equipment
1.	M/s Jain Associates Registered Office- PO+Vill-Narshingpur, Dist-Alipurduar, West Bengal-735204. Manufacturing Unit-Near Ashram,Narsinghpur, Khogenhat road, Ethelbari Bippara, Dist- Alipurduar,W.B-735204.	a) 8 Mtr. 200 Kg PSC Poles b) 9 Mtr. 300 Kg PSC Poles

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.

Enclosure- As Above

Your faithfully  
  
23.6.2023  
(Pranav Kumar)  
Chief Engineer (Project-II)

Memo no 213-----/

dated 23/6/23-----/

Copy forwarded M/s Vindhya Telelinks Limited, Club 125, 6<sup>th</sup> Floor, Tower A, Plot No- 3, & 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, IInd B-2, Nehru Nagar, Ghaziabad (UP)-201001 /M/s CABCON India Ltd., 1<sup>st</sup> 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, 10<sup>th</sup> Floor Plot No. A3, Block-GP, Sector V, Salt Lake City, Kolkata-700091 (WB) for information and necessary action.

*Pranav Kumar*  
23.6.2023

**(Pranav Kumar)**

Chief Engineer (Project-II)

Memo no 213-----/

dated 23/6/23-----/

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

*Pranav Kumar*  
23.6.2023

**(Pranav Kumar)**

Chief Engineer (Project-II)

Memo no 213-----/

dated 23/6/23-----/

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

*Pranav Kumar*  
23.6.2023

**(Pranav Kumar)**

Chief Engineer (Project-II)

Memo no 213-----/

dated 23/06/23-----/


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

*Pranav Kumar*  
23.6.2023

**(Pranav Kumar)**

Chief Engineer (Project-II)

271

Guaranteed Technical Particulars for Pre-Stressed Cement Concrete (PSC) Poles	
Name of the Project	RDSS Works at Kishanganj Electric supply Circle
Contractor	M/s. Vaishno Associates Vidyut Projects LLP, Jaipur
Owner	 NORTH BIHAR POWER DISTRIBUTION COMPANY LTD. (NBPDC), PATNA, BIHAR
LOA No.	NB/P-II/RDSS/Tender/25/2022/NOA/no-23 & 24 Dated.06.03.2023
Name of the Item	9Mtr. 300kg PSC Pole (100mm width)
Name & Address of the Manufacturer	JAIN ASSOCIATES P.O & VILL-NARSHINGPUR, ALIPURDUAR-735204, W.B

**GUARANTEED TECHNICAL PARTICULARS OF 9MTR. 300KG PSC POLE**

Sl No.	DESCRIPTION	PARTICULARS
1	Type of Pole	Pre Strees Concrete
2	Factor of Safety	2.5
3	Overall Length of Pole (Meter)	9 Mtr.
4	Working Load	300 Kg
5	Point of Application of Load	600 mm below from Top
6	Depth of Plantation	1500 mm
7	Overall Dimensions	
i	Bottom Depth	355 mm
ii	Top Depth	185 mm
III	Breadth	100 mm
8	Reinforcement Details	
i	Diameter of Pre Stressing Wire	4 mm
ii	No. of Tensioned Wires	20 Nos.
iii	No. of Untensioned Wire	0 No.
iv	Length of each pre stressing wire	9 Mtr.
v	Ultimate Tensile Strength	17500 Kg/Cm2
vi	Steel Quantity	22 Kg/Pole
9	Concrete Details	
i	Cement Type	Ordinary Portland Cement-43 Grade
ii	Concrete mix Strength	210 kg/cm2 at time of transfer of Prestress (min) 420 kg/cm2 at age of 28 days (min)
iii	Concrete Quantity	0.243m3 Cubic meter/Pole
iv	Concrete covering to Wires	20 mm
10	GI earthing wire	6 SWG
11	Length of GI Earth Wire	7.8 Mtr.
12	Weight of PSC Pole	607 Kg
13	18mm Holes at a Distance of from top	100mm, 200mm, 1000mm
14	Engraving Marking	NBPDC, Developed under RDSS-LR, Makers Sr No., Manufacturer's Name Month/year of Manufacture, Coloured Indelible depth mark at 1.5mtr. From bottom to verify the planting depth
15	Standard confirming to	
	Pole	IS: 1678/2000
	Cement	IS: 8041
	Aggregates	IS: 383/1970
	Pre Stressing wire	IS:6003/1983
	Concrete Mix	IS:456/2000
	Tolerance Dimensions	a) ±15mm on overall length of pole ±5mm on sectional dimension 0.5% on the uprightness of pole

Note:- Top 3 feet of pole to be Painted with IS 5-Shade 541 in all four faces



For JAIN ASSOCIATES

*Jain Associates*  
PARTNER

**CHECKED**

*Checked*  
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

*Approved*  
Chief Engineer (Project-II)  
NBPDC



269

Guaranteed Technical Particulars for Pre-Stressed Cement Concrete (PSC) Poles	
Name of the Project	RDSS Works at Kishanganj Electric supply Circle
Contractor	M/s. Vaishno Associates Vidyut Projects LLP, Jaipur
Owner	 NORTH BIHAR POWER DISTRIBUTION COMPANY LTD. (NBPDCCL), PATNA, BIHAR
LOA No.	NB/P-II/RDSS/Tender/25/2022/NOA/no-23 & 24 Dated.06.03.2023
Name of the Item	8Mtr. 200kg PSC Pole
Name & Address of the Manufacturer	JAIN ASSOCIATES P.O & VILL-NARSHINGPUR, ALIPURDUAR-735204, W.B

8MTR. 200 KG  
GUARANTEED TECHNICAL PARTICULARS OF 8MTR. 200KG PSC POLE

SI No.	DESCRIPTION	PETICULARS
1	Type of Pole	Pre Strees Concrete
2	Factor of Safety	2.5
3	Overall Length of Pole (Meter)	8 Mtr.
4	Working Load	200 Kg
5	Point of Application of Load	600 mm below from Top
6	Depth of Plantation	1500 mm
7	Overall Dimensions	
i	Bottom Depth	290 mm
ii	Top Depth	145 mm
iii	Breadth	90 mm
8	Reinforcement Details	
i	Diameter of Pre Stressing Wire	4 mm
ii	No. of Tensioned Wires	12 Nos.
iii	No. of Untensioned Wire	02 No.
iv	Length of each pre stressing wire	8 Mtr.
v	Ultimate Tensile Strength	17500 Kg/Cm2
vi	Steel Quantity	11.5 Kg/Pole
9	Concrete Details	
i	Cement Type	Ordinary Portland Cement-43 Grade *
ii	Concrete mix Strength	210 kg/cm2 at time of transfer of Prestress (min) 420 kg/cm2 at age of 28 days (min)
iii	Concrete Quantity	0.157 m3 Cubic meter/Pole
iv	Concrete covering to Wires	Depth of the pole-20 mm Width of the pole-22 mm
10	GI earthing wire	8 SWG (4mm)
11	Length of GI Earth Wire	<del>6.81</del> Mtr. 7.25 Mtr.
12	Weight of PSC Pole	380 Kg (Approx) (min.)
13	Engraving Marking	NBPDCCL, Developed under RDSS-LR, Makers Sr No., Manufacturer's Name Month/year of Manufacture, Coloured indelible depth mark at 1.5mtr. From bottom to verify the planting depth
14	Standard confirming to	
	Pole	IS: 1678/2000
	Cement	IS: 8041 *
	Aggregates	IS: 383/1970 (nominal maximum size of Aggregate shall not exceed 12mm)
	Pre Stressing wire	IS:6003/1983
	Concrete Mix	IS:456/2000
	Tolerance Dimensions	a) ±15mm on overall length of pole ±5mm on sectional dimension 0.5% on the uprightness of pole

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

*[Signature]*  
**Chief Engineer (Project-II)**  
NBPDCCL

**CHECKED**

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

Note: Top 3 feet of pole to be Painted with IS 9-91/Code 941 In all four faces

15. Minimum Ultimate Transverse Load 500 kg

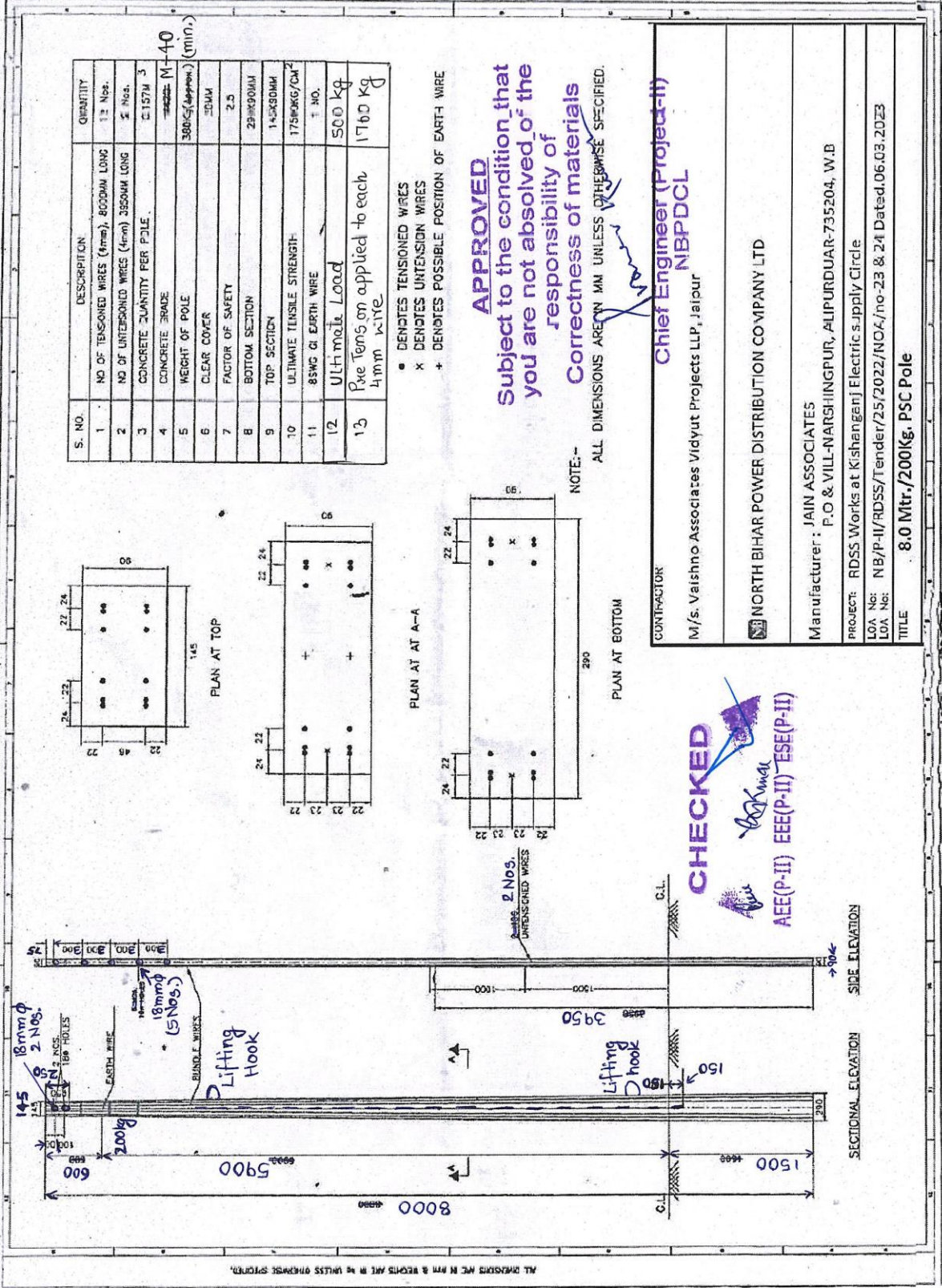


For JAIN ASSOCIATES

*[Signature]*  
PARTNER

\* Cement - IS 269-1976 (specification for ordinary & low heat Portland Cement) or IS: 8041 E-1978 (specification for rapid hardening portland Cement)

16. Method of Pre Stressing - By tensioning of wire through Hydraulic tensioning Machine  
17. Concrete Grade - M-40



S. NO.	DESCRIPTION	QUANTITY
1	NO OF TENSIONED WIRES (4mm), 800MM LONG	12 Nos.
2	NO OF UNTENSIONED WIRES (4mm) 350MM LONG	5 Nos.
3	CONCRETE QUANTITY PER POLE	0.157M <sup>3</sup>
4	CONCRETE GRADE	M-40
5	HEIGHT OF POLE	3600 (approx.) (min.)
6	CLEAR COVER	20MM
7	FACTOR OF SAFETY	2.5
8	BOTTOM SECTION	23x200MM
9	TOP SECTION	14x200MM
10	ULTIMATE TENSILE STRENGTH	17500KG/CM <sup>2</sup>
11	8SWG CI EARTH WIRE	1 NO.
12	ULT. max. Load	500 kg
13	Pole Items on applied to each 4mm wire	1760 kg

• DENOTES TENSIONED WIRES  
 x DENOTES UNTENSIONED WIRES  
 + DENOTES POSSIBLE POSITION OF EARTH WIRE

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

NOTE:- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED.

CONTRACTOR	M/s. Vaishno Associates Vidyut Projects LLP, Jaipur
Chief Engineer (Project-II)	NBPDCL
Manufacturer	NORTH BIHAR POWER DISTRIBUTION COMPANY LTD
Manufacturer	JAIN ASSOCIATES P.O & VILL-NARSHINGPUR, ALIPURDUAR-735204, W.B
PROJECT	RDSS Works at Kishanganj Electric supply Circle
LOA No:	NB/P-II/RDSS/Tender/25/2022/NOA/no-23 & 24 Dated.06.03.2023
LOA No:	
TITLE	8.0 Mtr./200kg. PSC Pole

**CHECKED**  
 AEE(P-II) ESE(P-II)

For JAIN ASSOCIATES  
 H. Jain

ALL DIMENSIONS ARE IN MM & WEIGHTS ARE IN KG UNLESS OTHERWISE SPECIFIED.