



NORTH BIHAR POWER DISTRIBUTION CO. LTD.

[Office of Chief Engineer, Project-II]
(Regd. Office: Vidyt Bhawan, Bailey Road, Patna)
CIN No: U40109BR2012SGC018920

Letter No: 169

Contact No: +91-9264437179

[File No: NB/P-II/RDSS/V.Empanelment/Saharsa circle/48/2023]

Dated: 15/06/2023

E-mail: cerdssnbpdc12@gmail.com

From,

Pranav Kumar
Chief Engineer (Project-II)

To,

M/s Vindhya Telelinks Ltd.
Club 125, 6th Floor, Tower A, Plot No -3,4&5
Sector 125, Noida, UP-201301

Sub: - Approval of GTP & Drawings of 8 Mtr. 200Kg PSC & 9 Mtr. 300Kg PSC Pole against NIT No: 32/PR/NBPDCL/2022 for Saharsa Circle.

- Ref: 1. This Office NOA No: 17 & 18 dated 06.03.2023.**
2. Your Letter No- 19 dated- 08.06.2023
3. Vendor Approval vide CE (Project-II) letter no. 143 Dated 08.06.2023 .

With reference to the subject noted above, please find enclosed herewith the GTP & drawing of **8Mtr. 200Kg PSC Pole & 9Mtr. 300Kg PSC Pole** for Development of Distribution Infrastructure against NIT No: 32/PR/NBPDCL/2022 for Saharsa Circle under Revamped Reforms-Based And Results-Linked, Distribution Sector Scheme.

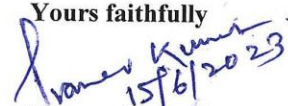
Sl. No.	Name of Item	Vendor Name
1	8Mtr. 200Kg PSC Pole	M/s Monarch Poles and Pipes Pvt Ltd, Mauza- Sahpur Tiary tothan, Lalganj, Vishali, Bihar - 844121
2	9Mtr. 300Kg PSC Pole	

The Corroction whercver required in GTP/ Drawing submitted by the manufacturer has been done. However, these Drawings 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 specifications as well as supply of material according to the technical specifications of the contract agreement shall be responsibility of the contractor.

In case of any conflict or contradiction between GTP / Drawings & Technical Specifications, 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.

Yours faithfully

(Pranav Kumar)
Chief Engineer (Project-II)

Memo no...169...../

dated...15/06/2023...../

Copy forwarded M/s NCC Limited, Hyderabad/ M/s JSP Projects Ltd, UP / M/s Polycab Limited, Mumbai / M/s Ashoka Buildcon Limited, Nashik/ M/s Cabcon Limited, Kolkata/ M/s Techno Power Enterprises Private Limited, Kolkata/ M/s Vaishno Associates Vidyut Projects LLP, Jaipur for information.

Pranav Kumar
15/6/2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No...169...../

dated...15/06/2023...../

Copy forwarded to Director (Projects)/ OSD to MD, NBPDC, Patna for kind information .

Pranav Kumar
15/6/2023

(Pranav Kumar)

Chief Engineer (Project-II)

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GUARRANTED TECHNICAL PARTICULAR (GTP)

1	Over all length of the Pole	8 meters ✓
2	Factor of safety	2.5 ✓
3	Working load applied at 600 MM from top	200 KG ✓
4	Concrete mix	M 420 ✓
5	Concrete quantities Per Pole in Cubic Meter	0.157 m ³ ✓
6	Minimum works cube strength	
	(i) At transfer of tensile load (7 hrs)	210 Kg/cm square ✓
	(ii) After 28 Days	420 Kg/cm square ✓
7	Dimension of Pole.	
	(i) Top Dimension	145mm x 90mm ✓
	(ii) Bottom Dimension	290mm x 90mm ✓
8	No of Tensioned wire	12 ✓
9	No of Untensioned wire	2 (Minimum Half of the Length) ✓
10	Dia of prestressing wire	4 mm ✓
11	UTS of prestressing wire	175 KG / mm Sqr ✓
12	Weight of Pole	380 Kg ✓
13	Clean cover to wire	20 mm ✓
14	Dept of Plantation	1500 mm ✓
15	Position of G.I. Wire	8 swg left projecting 150mm at 250 mm from top and 150 mm Below G.L.
16	Position of Rings	4 mm dia end ring 8 Nos. At Top and 8 Nos at Bottom.
17	Lifting Hooks	One each at a distance of 0.15 Times the overall length, from either end of the pole.

APPROVED
 subject to the condition that you are not absolved of the responsibility of correctness of materials
James Kumar
 Chief Engineer (Project-II)
 NBPDC

CHECKED

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

	CONTRACTOR
MP BIRLA GROUP	PROJECT
	CLIENT
	NOA NO.
MATERIAL DESCRIPTION	
SUPPLIER	

VINDHYA TELELINKS LIMITED
Revamped Reforms-Based And Results-Linked Distribution Sector Scheme
NORTH BIHAR POWER DISTRIBUTION CO. LTD
1. 246 dated 6th March 2023 for Supply against NIT No.28/PR/NBPDC/2022
2. 17 dated 6th March 2023 for Supply against NIT No.32/PR/NBPDC/2022



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PTO

* Marking on pole (Engraved) - NBPDC developed under RDSS.

Marking on pole (Sl. No. -

Manufacturer Name -

Month/year

* Top 3 feet of pole to be painted with IS-5 shade - 51 in all four faces -

* Cement to conform to IS-296/1976 or IS-80418/1978

IS-5 shade - 51 in all four faces.

* Applicable standards - IS 2905 / IS-1678

Concrete mix - IS 456-1978 / IS 1343-1980

Aggregate - IS - 383

Admixture - IS - 9103

* Hats for fixing cross-arms & other frame
RIL Specification No - 15/1979.

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

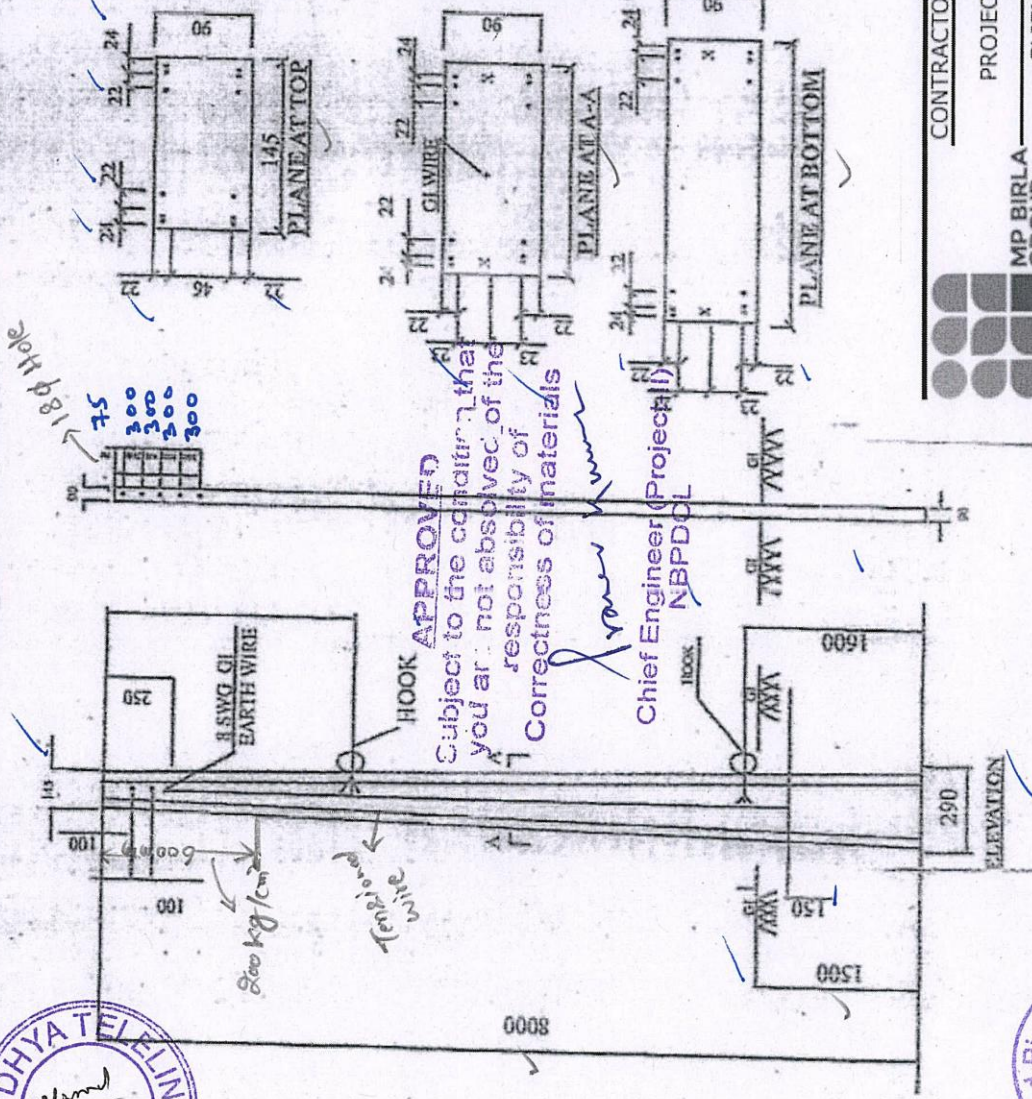
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Praveen Kumar
Chief Engineer (Project-II)
NBPDC

Laxmi





TECHNICAL GUARANTEE PARTICULARS
8 METERS LONG 200 KG W/L PSC POLES

- A) TOP
- B) BOTTOM
- * CONCRETE GRADE M-40
- * NUMBER OF TENSIONED WIRE 12 NOS
- * NUMBER OF UNTENSIONED WIRE 2 NOS
- * FACTOR OF SAFETY 2.5
- * ULTIMATE TENSION STRENGTH 175 KG / MM²
- FOR 4 MM WIRE

NOTES :-

- * ALL DIMENSIONS ARE IN MM
- * DO NOT SCALE THE DRG
- * WORKING LOAD 200 KG ACTING AT 600 MM BELOW THE TOP OF THE POLE
- * CONCRETE GRADE M-40
- * DEPTH OF PLANTING BELOW GL - 1500MM
- * HT WIRE USED - 4 MM HAVING MINIMUM UTS OF 175 KG / MM²
- * THE MINIMUM SIZE OF THE AGGREGATE SHALL NOT EXCEED 12 MM
- * ADMIXTURE IF USED SHOULD NOT CONTAIN ANY CHLORIDES

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Chief Engineer (Project II)
 NBPDDL

CONTRACTOR	VINDHYA TELELINKS LIMITED
PROJECT	Revamped Reforms-Based And Results-Linked Distribution Sector Scheme
CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD
NOA NO.	1. 246 dated 6th March 2023 for Supply against NI No.28/PR/NBPDDL/2022 2. 17 dated 6th March 2023 for Supply against NI No.32/PR/NBPDDL/2022
MATERIAL DESCRIPTION	
SUPPLIER	



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



Guaranteed Technical Particulars of 9 Mtr 300KG PSC Pole

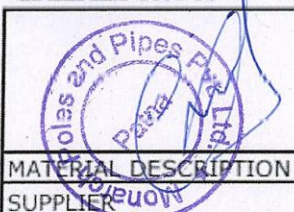
Sl. No.	Description	Unit	Particulars
1	Type of Pole		Pre Stress Concrete
2	Factor of Safety		2.5
3	Overall Length of Pole(Meter)	MTR	9
4	Working Load	Kg	300
5	Point of Application of Load		600 mm below from top
6	Depth of Plantation	Mm	1500
7	Overall Dimensions		
i)	Bottom Depth	mm	355
ii)	top Depth	mm	185
	Breadth	mm	100
8	Reinforcement Details		
i)	Diameter of Pre Stressing Wire	mm	4
ii)	No. of Tensioned Wires	Nos.	20 16
iii)	No. of Untensioned Wire	Nos.	0 2
iv)	Length of each pre stressing wire	Mtr.	9
v)	Ultimate Tensile Strength	Kg/cm ²	17500
vi)	Steel Quantity	Kg/pole	22 15.94
9	Concrete Detail		
i)	Cement Type		Ordinary Portland Cement -43 Grade
ii)	Concrete mix strength	Kg/cm ²	210 kg/cm ² at time of transfer of prestress(min) 420kg/cm ² at age of 28days(min)
iii)	Concrete Quantity	Cubic meter/pole	0.243m ³
iv)	Concrete covering to Wires	Mm	20
10	GI earthing wire	SWG	6
11	Length of GI Earth Wire	Mtr	7.8
12	Weight of PSC Pole	Kg	607
13	18 MM holes At a Distance of from top	Mm	100, 200, 1000
14	Engraving Marking		NBPDCL/SBPDCL, Makers Sr No., Manufacturer's Name Month Year of Manufacture
15	Standard confirming to		IS: 1678/2000
	Pole		IS:8041
	Cement		IS: 383/1970
	Aggregates		IS:6003/1983
	Pre stressing wire		IS:456/2000
	Concrete Mix		
	Tolerance Dimensions		± 5mm on overall length of pole ± 5mm on sectional dimension 0.5% on the uprightness of pole

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 Chief Engineer (Project-II)
 NBPDCL

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MATERIAL DESCRIPTION	
SUPPLIER	



* Marking on pole - (Engraved)

- NBPDCCL Development under RDSS

- Sp. No -

- Manufacturing Name

- Month / year.

* Top 3 feet of pole to be painted with
IS-5- shade - 541 in all four faces.

* Cement conforms to IS: 296 / 1976 or IS: 80418 / 1978

* Applicable standards :- IS: 2905 / IS-1678

Concrete mix - IS: 456 - 1978 / IS: 1343 / 1980

Aggregate - IS: 383

Mortar - IS: 9103

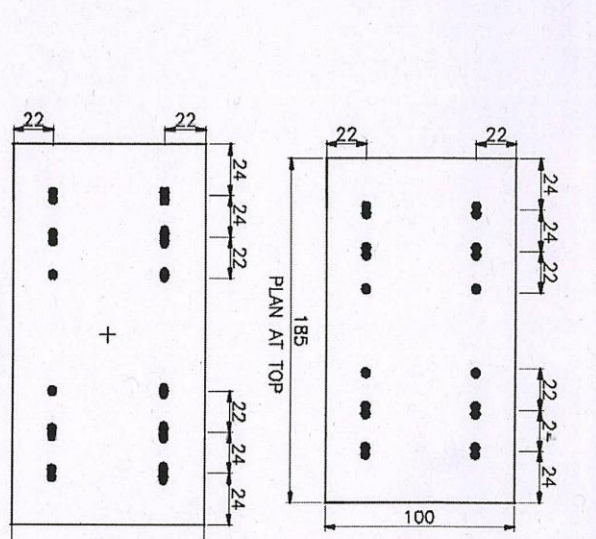
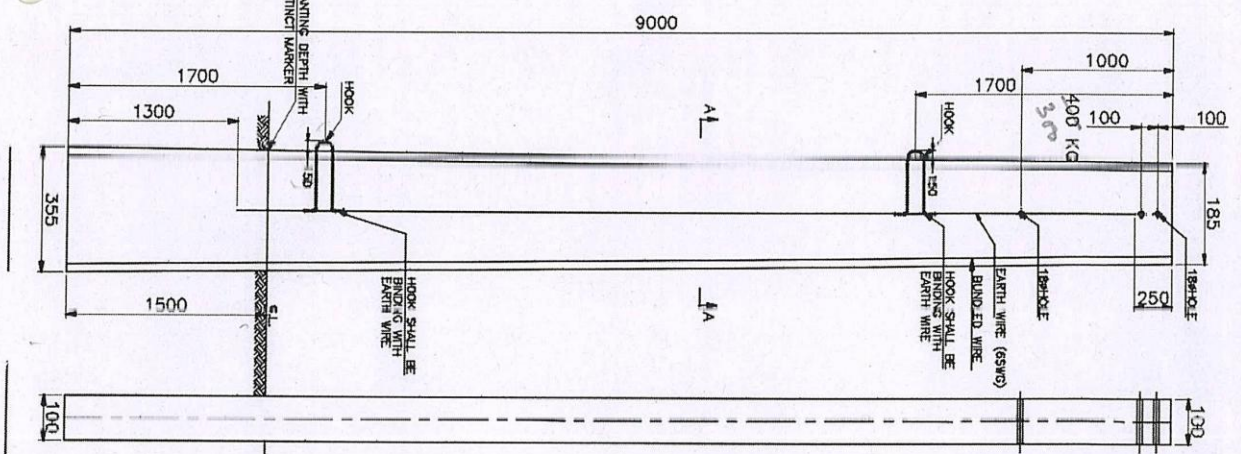
CHECKED

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

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

Pranav Kumar
Chief Engineer (Project-II)
NBPDCCL

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

Ramesh Kumar
 Chief Engineer (Project-II)
 NBPDC

S. NO.	DESCRIPTION	QUANTITY
1	NO OF TENSIONED WIRES (4mm)	20 Nos.
3	CONCRETE GRADE	M-40
4	OVERALL LENGTH SUPPORT	9.0MTR
5	PLANTING DEPTH	1500MM
6	DIA OF PRESTRESSING WIRE	4MM
7	CLEAR COVER	22MM
8	FACTOR OF SAFETY	2.5
9	WORKING LOAD	300 Kgs
10	ULTIMATE TENSILE STRENGTH OF PRESTRESSING WIRE	17500KG/CM ²
11	G.I. Earth wire 6 SWG	1No.

- NOTES:
- 1) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
 - 2) POLE WITH ANY TWO EDGES ROUNDED SHALL ALSO BE ACCEPTABLE.
 - 3) TOLERANCE FOR UPRIGHTNESS SHALL BE 0.5%.

LEGEND:
 ● DENOTES TENSIONED WIRES
 + DENOTES POSSIBLE POSITION OF EARTH WIRE



CHECKED
 ASEP-II) EEE(P-II) ESE(P-II)

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 VINDHYA TELELINKS LIMITED

PROJECT
 Revamped Reforms-Based And Results-Linked Distribution Sector Scheme

CLIENT
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MATERIAL DESCRIPTION
 NOA NO.

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NO	30/09/23	FOR APPROVAL
REVISION	DATE	DESCRIPTION
		ELEVATION
		SIDE VIEW
MURALI	DRAWN	CHAD.
CHECKED BY	APPD	DATE
REMARKS		
SIZE		
SHEET NO.		