



NORTH BIHAR POWER DISTRIBUTION CO. LTD.

[Office of Chief Engineer, Project-I/Urban]
(Regd. Office: Vidyut Bhawan, Bailey Road, Patna)
CIN No: U40109BR2012SGC018920

Letter No: _____

[File No:-N-XIII/RDSS/GTP & Drawing/Chapra Circle-3011/2023-

Dated: _____

E-mail: cerdssnbpdc@gmail.com

From,

Shriram Singh
Chief Engineer, Project-I (Urban)

To,

M/s NCC Ltd
NCC House, Survey no. 64, Madhapur,
Hyderabad, 500081.
Email: elec.tenders@nccLtd.in

Sub:- Regarding approval of GTP & Drawing of 8 Mtr. 200 Kg PSC Pole of make M/s R.R. Prestress Industries, Vaishali for Loss Reduction Component works under "Revamped Reforms-Based and Results-Linked Distribution Sector Scheme."

Ref:- (i) NOA No.-247 & 248 dated 06.03.2023
(ii) Your letter no.-03 dated 18.04.2023

Sir,

With reference to the above, please find the copy of approved GTP & Drawing of following item for Loss Reduction Component works under "Revamped Reforms-Based and Results-Linked Distribution Sector Scheme":-

S.N.	Material Description	Vendor Name
1	8 Mtr. 200 Kg PSC Pole	M/s R.R. Prestress Industries, Vill-Dabhaich, P.S. Tisiauta, Vaishali-843110

Correction where required in GTP & Drawing submitted by you has been done. However, these drawings shall be subject to correctness as per technical specifications of the tender document and the entire responsibility of 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 that of the contractor.

In case of any conflict or contradiction between GTP/Drawing & Technical Specifications, the decision of Chief Engineer, Project-(Urban) shall be final and binding on both parties. Contractor shall have to replace the material to the entire satisfaction of the purchaser in case the material is found unsuitable for use in the project, at any stage.

Please carry out the works immediately under the conditions stated above.

Encl:- As above

Yours faithfully

Sd/-

(Shriram Singh)

Chief Engineer, Project-I (Urban)

Memo No.-

Dated-

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 JSP Projects Pvt. Ltd., Flat No.- 5, IInd Floor, IIIrd B-2, Nehru Nagar, Ghaziabad (UP)- 201001/ M/s Polycab India Ltd., Polycab House, 771, PanditSatwalekar Marg, Mumbai / M/s Ashoka Buildcon Ltd, S.No.-861, Ashoka House, Ashoka Marg, Vadala, Nashik-422011 / M/s Vaishno Associates Vidyut Projects LLP, H.O-14-15, 3rd Floor, Gajraj Tower, Motilal Atal Road, Jaipur / M/S CABCON India Ltd., 1st Floor, The Terminus Building, BG-12, Action Area -1B, New Town, Kolkata-700156 / M/S Techno Power Enterprises Pvt. Ltd., 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.

Encl:-As above

Sd/-

(Shriram Singh)

Chief Engineer, Project-I (Urban)

Memo No.- 448

Date- 19-05-2023

Copy forwarded to Chief Engineer, Project-II, NBPDC for information and necessary action.

Encl:-As above

(Shriram Singh)



Chief Engineer, Project-I (Urban)

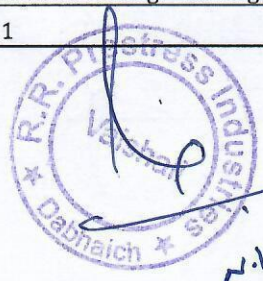
GAURANTEED TECHINAL PARTICULARS

SL No	DESCRIPTION	200KG, 8 Meter Long PSC Poles
1	Section	
(a)	Top	90 MM X 145 MM
(b)	Bottom	90 MM X 290 MM
2	Quantity of Concrete	0.157 CU Meter
3	Concrete Grade	M-42
4	Overall length support	8 Mtr
5	Planting depth	1.5 Mtrs
6	Dia meter of prestressing wire	4 MM
7	No. of tensioned wires	12 Nos
8	No. of untensioned wires	2 Nos Half Length
9	Minimum cube strength of concrete at 28 Days	420 Kgs/Cum2
10	Clear Cover	20 MM
11	Factory of Safety	2.5
12	Working load	200 KG
13	Ultimate load	500 KG
14	Weight of pole (Theoretical)	380 Kg
15	Load application at a point from the top	600 MM
16	Ultimate tension strength for 4 mm wire	17500 Kg/cm2
17	GI earthing wire 8 swg	7.5 Mtr.
18	Marking on Pole (Engraved)	NBPDCL/SBPDCL, Markers Sr No., Manufacture's Name Month/Year of Manufacture. (RDSS-LR)

*Applicable standards - IS 269 - 1976 (Cement)
IS 383 - 1970 (Aggregate)
Depth marker at 1.5 meter from bottom of pole.*

Title Block for Bihar NBPDCL- RDSS - CHAPRA. (Saran, Siwan and Gopalganj) Zones

Scheme	Revamped Reforms-Based and Result- Linked, Distribution Sector Scheme (RDSS) - Bihar
Project	Development of Distribution Infrastructure at Chapra Electric Supply Circle (Saran, Siwan and Gopalganj) of Bihar State on Turnkey Basis.
Customer	North Bihar Power Distribution Co. Ltd 
Contractor	M/s NCC LIMITED - Hyderabad 
LOA No.	244/N-XIII/P-I(U)/Tender (RDSS)-3050/2022 Dt: - 06-03-2023
Manufacturer	R.R. PRESTRESS INDUSTRIES
Item Description	8.0 Mtr. 200 Kg. Working Load
GTP No.	1

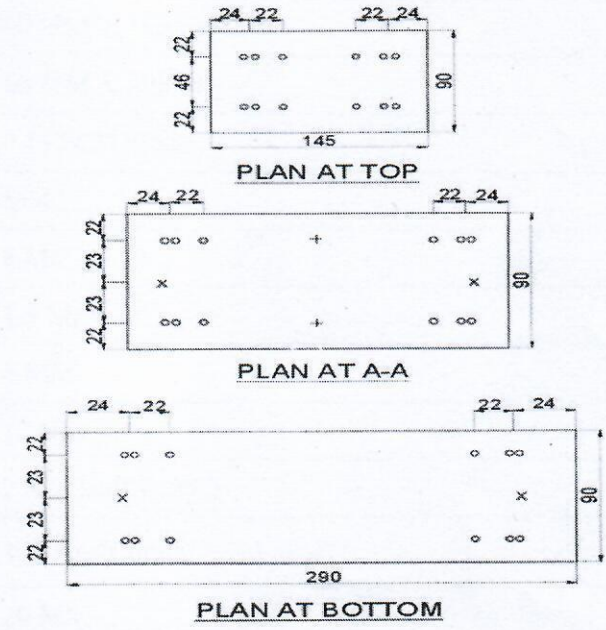
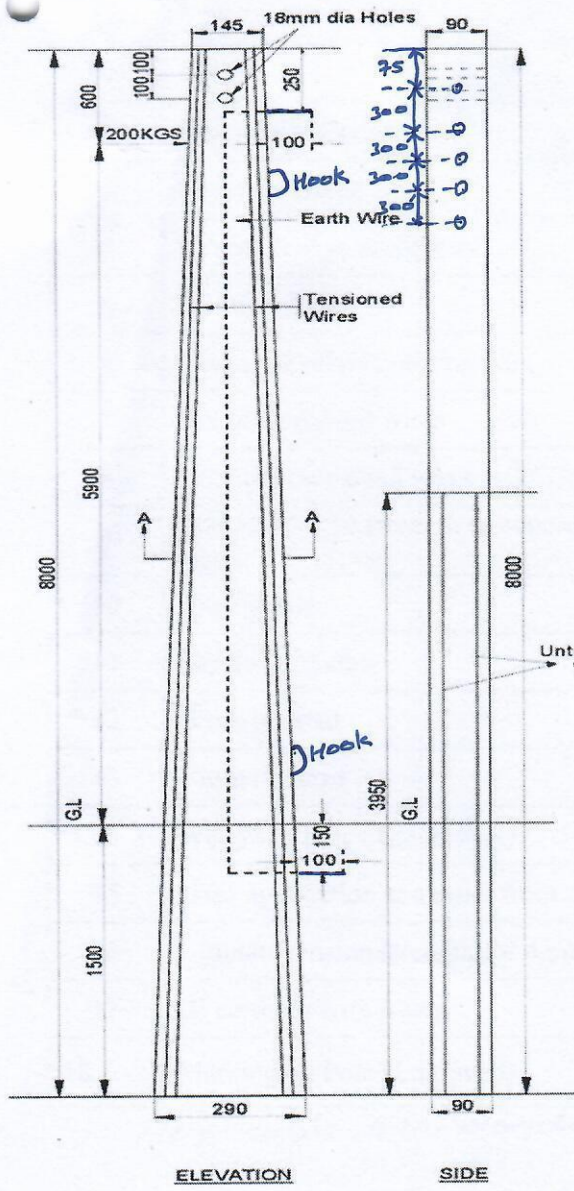


Checked
AEE(P-1) EEE(P-1) ESE(P-1)

Approved
CE (Project-I), Urban NBPDCL

115

REINFORCEMENT DETAILS OF 8.0/200KG PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



Location of holes as per REC Standards
 O Denotes Tensioned Wire
 x Denotes Untensioned Wire
 + Possible Position of Earth Wire

TECHNICAL GUARANTEE PARTICULARS 8.0mtr/200KG WORKING LOAD

SECTION:	A) TOP	: 145 X 90 mm
	B) BOTTOM	: 290 X 90 mm
QUANTITY OF CONCRETE		: 0.157 m ³
CONCRETE GRADE		: M-42
OVERALL LENGTH SUPPORT		: 8.0 m
PLANTING DEPTH		: 1.5 m
DIAMETER OF PRESTRESSING WIRE		: 4 mm
NUMBER TENSIONED WIRES		: 12 no's
NUMBER UNTENSIONED WIRES		: 2 no's
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS		: 420 kg/cm ²
CLEAR COVER		: 20 mm
FACTORY OF SAFETY		: 2.5
WORKING LOAD		: 200 kg
ULTIMATE LOAD		: 500 kg
WEIGHT OF POLE (THEORETICAL)		: 395 kg
LOAD APPLICATION AT A POINT FROM THE TOP		: 600 mm
ULTIMATE TENSION STRENGTH FOR 4MM WIRE		: 17500 kg/cm ²
G.I. EARTH WIRE 8SWG		: 1 no
ALL DIMENSIONS ARE IN mm		NOT TO SCALE

Title Block for Bihar NBPDC - RDSS - CHAPRA. (Saran, Siwan and Gopalganj) Zones

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Item Description	8.0 Mtr. 200 Kg. Working Load
Drawing No.	1



*Approved
 CE (Project-I), Unban
 NBPDC*



Checked

AFF (P-1) ...

Note - Top 3 feet of pole to be painted with IS5 - shade 541 in all four faces