



# 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: 738

[File No:-N-XIII/RDSS/VA/Motihari Circle-3092/2023-

Dated: 06-07-2023

E-mail: cerdssnbpdc@gmail.com

From,

**Shriram Singh**  
Chief Engineer, Project-I (Urban)

To,

**M/s Vindhya Telelinks Limited**  
Club 125, 6th floor, Tower A, Plot No- 3, 4 & 5,  
Sector 125, Noida, UP-201301  
Email: [ashish@vtlrewa.com](mailto:ashish@vtlrewa.com) / [s.shah@vtlrewa.com](mailto:s.shah@vtlrewa.com) / [epc@vtlrewa.com](mailto:epc@vtlrewa.com)

**Sub:- Regarding approval of GTP & Drawing of 8 Mtr. 200 Kg PSC Pole of make M/s Eternal Commercial Pvt. Ltd., Saran for Loss Reduction Component works under "Revamped Reforms-Based and Results-Linked Distribution Sector Scheme."**

**Ref:- (i) NOA No.-246 & 247 dated 06.03.2023  
(ii) Your letter no.- VTL/NBPDCL/RDSS/Approval/Motihari/38 dated 05.07.2023**

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 Eternal Commercial Pvt. Ltd., Bahura Dewan, Thana Madhaura, Saran

Correction where required in GTP & Drawing submitted by you has been done. However, these GTP & Drawing shall be subject to correctness as per technical specifications of the tender document and the entire responsibility of correctness of the GTP & 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 the decision of Chief Engineer, Project-I (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

(Shriram Singh)

Chief Engineer, Project-I (Urban)

Memo No.- 738

Dated- 06-07-2023

Copy forwarded M/s Ashoka Buildcon Ltd., Nashik/ M/s Polycab India Ltd., Mumbai /M/s NCC Ltd., Hyderabad- 500081 for information and necessary action.

Encl:-As above

(Shriram Singh)

Chief Engineer, Project-I (Urban)

Memo No.- 738

Date- 06-07-2023

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

Encl:-As above

(Shriram Singh)

Chief Engineer, Project-I (Urban)



# ETERNAL COMMERCIAL PVT. LTD.

At-Bahuara Dewan, P.O.- Nagah, P.S.- Marahaurah, Saran - 8414147

CIN :- U51909WB2011PTC169128

Mob.: +91-9939222878, E-mail id:- commercialeternal@gmail.com

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Ref : .....

Date : .....

## GTP 8 METER LONG POLE 200KG W/L

SL. No.	Description	Unit	Guaranteed Value
1.	Over All Length of Pole		
2.	Depth of Plantation	Mtrs.	8
3.	Minimum Ultimate Transverse Load	Mtrs.	1.5 (To be marked)
4.	Weight of Pole in Kgs.	Kgs.	500
5.	Factor of Safety	Kgs.	380 Approx.
6.	Concrete Grade		2.5
7.	Working Load Applied at 600 MM from Top		M-42
8.	Volume of Pole in Cube Meters	Kgs.	200
9.	<b>DIMENSIONS of the POLES</b>	Cubic Meters	0.157
a	Top Dimension		
b	Bottom Dimension	mm	90x145
		mm	90x290
10.	<b>ACTUAL CONSUMPTION/QUALITY OF MATERIAL USED IN MANUFACTURE OF EACH PSC POLE</b>		As per IS 269-1976 OR IS 8041 E-1978
c	Cement (Exclusive of wastage) } <b>IS:269-1976</b>	Kgs.	As per relevant IS
d	Aggregate	CFT	As per IS 383-1970
e	Sand	CFT	As per relevant IS
f	H.T. Steel Wire ( <b>IS:1785-1983</b> )		
(i)	Dia of Wire	mm	4mm/12 Nos. wire full
(ii)	No. of Wire		4mm/2 Nos. Half
(iii)	Weight of Wire	Nos.	12Nos. Tensioned wire & 2 Nos. untensioned
g	Other M.S. Reinforcement	Kgs.	11.50 Approx.
(i)	HT Wire Rings		4 mm HT Wire of 12
(ii)	Weight of Steel	Nos.	
(iii)	HT Wire Hooks	Kgs.	0.6
11.	<b>EARTHING ARRANGEMENT IN EACH PSC POLES</b>		2
a	Length of GI Wire & SWG		
b	Weight of GI Wire	Mtrs.	7.25 Mtrs. & 8 SWG
12.	<b>CONCRETE MIX &amp; CUBE STRENGTH</b>	Kgs.	800 Gms
a	After 72 Hours	Kgs/cm <sup>2</sup> cm <sup>2</sup>	210
b	After 28 days	Kgs/cm <sup>2</sup> cm <sup>2</sup>	420
13.	Method of Pre-Stressing		By Tensioning of HT Wires through Hydraulic Tensioning Machine
14.	Ultimate Tensile Strength of Pre-Stress Wire	Kg/cm <sup>2</sup>	17500
15.	Marking on pole (Engrave) - <b>NBPDC (RDSS-LR),</b>		

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

**Checked**

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

**APPROVED**

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

**CE (Project-1), Urban NBPDC**

AM



ETERNAL COMMERCIAL PVT. LTD

Arvind Kumar

DIRECTOR

Sl No. -  
Manufacturer's Name -  
Month/year of manufacture -



# ETERNAL COMMERCIAL PVT. LTD.

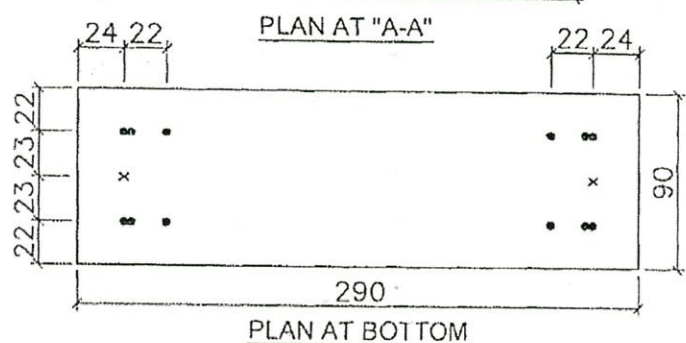
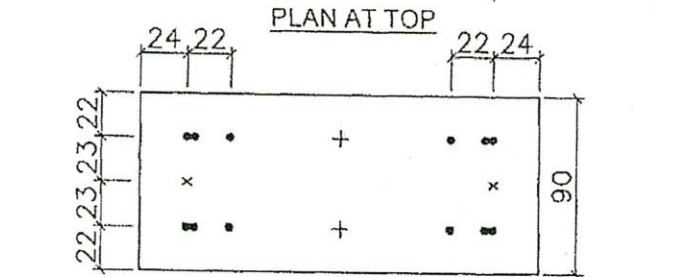
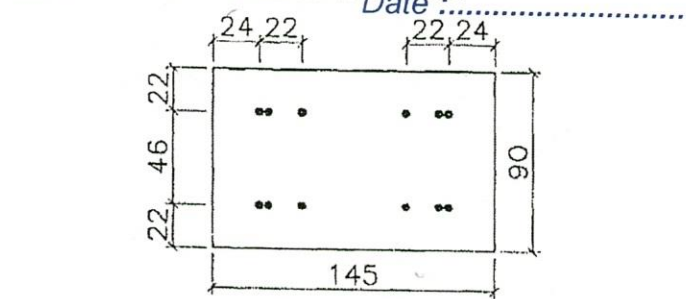
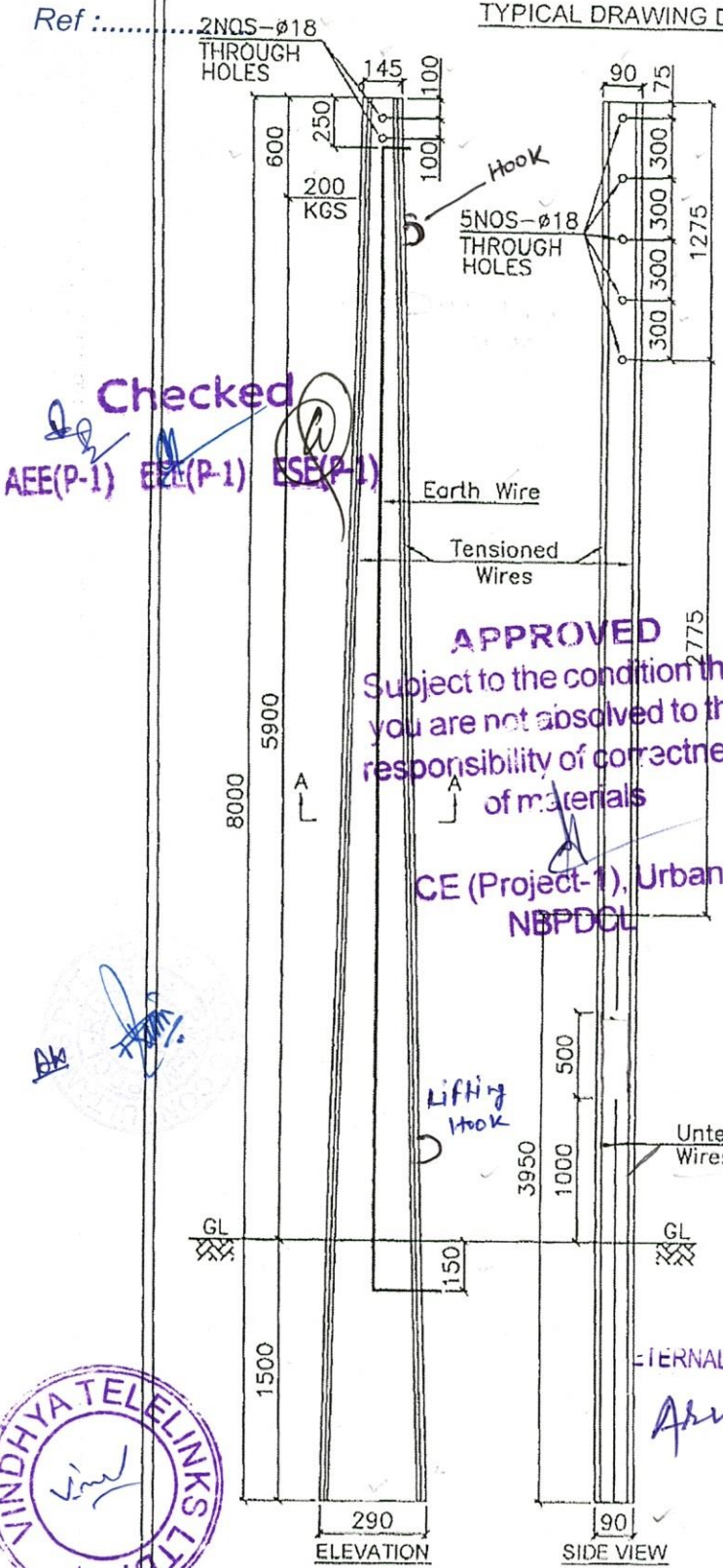
At-Bahuara Dewan, P.O.- Nagah, P.S.- Marahaurah, Saran - 8414147

CIN :- U51909WB2011PTC169128

Mob. +91-9939222878, E-mail id. commercial@eternal@gmail.com

L155

Ref : ..... TYPICAL DRAWING DETAILS OF 8.0 M/200 KG WORKING LOAD Date : .....



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

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

CE (Project-1), Urban  
NBPDC

**LEGEND:**

- DENOTES TENSIONED WIRES
- × DENOTES UNTENSIONED WIRES
- + DENOTES POSSIBLE POSITION OF EARTH WIRE

**NOTES:**

- 1) HOLES IN PSC POLE AS PER SITE REQUIREMENT.
- 2) WORKING LOAD 200KG ACTING AT 600MM BELOW FROM TOP OF POLE.
- 3) ALL DIMENSIONS ARE IN MM. (NOT TO SCALE)
- 4) THE POLE SHALL BE ENGRAVED AS PER DRAWING.

DESIGN DETAILS		
S.NO.	DESCRIPTION	QUANTITY
1	FACTOR OF SAFETY	2.5
2	GRADE OF CONCRETE USED	M42
3	DIAMETER OF PRESTRESSING WIRE	4MM
4	ULTIMATE TENSILE STRENGTH OF PRESTRESSING WIRE (KG/cm <sup>2</sup> )	17500KG
5	NUMBER OF TENSIONED WIRES	12Nos
6	NUMBER OF UNTENSIONED WIRES	2Nos
7	NUMBER OF EARTH WIRE	2Nos
8	CONCRETE QUANTITY PER POLE	0.157 CU M
9	STEEL QUANTITY PER POLE	12.10 KG
10	WEIGHT OF POLE	380KG
11	CLEAR COVER TO WIRE	20MM
12	LOCATION OF HOLES AS PER REC STANDARDS	



ETERNAL COMMERCIAL PVT. LTD  
Abhinav Kumar  
DIRECTOR

NOTES:-  
FOR HOLDING PART LENGTH UNTENSIONED WIRES IN POSITION 4MM M.S STIRRUPS MAY BE USED WITH SUITABLE SPACING.

IF ANY PRACTICAL DIFFICULTY IS EXPERIENCED IN USING PART LENGTH UNTENSIONED WIRES, FULL LENGTH WIRES MAY BE USED INSTEAD, BUT THE TENSION IN THESE WIRES SHOULD NOT EXCEED OF THEIR UTS VALUE. HOWEVER IT MAY BE NOTED THAT USE OF PART LENGTH UNTENSIONED WIRES WILL BE MORE ECONOMICAL.

THE ALTERNATIVE OF USING FULL LENGTH WIRES INSTEAD OF PART LENGTH UNTENSIONED WIRES IS NOT POSSIBLE. THE POLE IS TO BE USED FOR LT LINES WITH VERTICAL CONFIGURATION. THIS IS BECAUSE OF NON-AVAILABILITY OF

CLIENT:	NBPDC
PROJECT:	RDSS
REINFORCEMENT DETAILS OF 8M/200KG PRESTRESSED	