



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/Muzaffarpur Circle-3009/2023-

Dated: _____

E-mail: cerdssnbpdc@gmail.com

From,

Shriram Singh
Chief Engineer, Project-I (Urban)

To,

M/s Ashoka Buildcon Ltd
S.No.-861, Ashoka House,
Ashoka Marg, Vadala, Nashik-422011
E-mail:-ajay.kankariya@ashokabuildcon.com

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

Ref:- (i) NOA No.-250 & 251 dated 06.03.2023
(ii) Your letter no.-43 dated 18.04.2023
(iii) Your E-mail dated 09.05.2023 & 12.05.2023

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 Laxmi Enterprises, Sherpur, Muzaffarpur-842005

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, Pandit Satwalekar Marg, Mumbai / **M/s NCC Ltd.**, NCC House, Survey no. 64, Madhapur, Hyderabad, 500081 / **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.-

450

Date- 19-05-2023

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

Encl:-As above

Sd/-
(Shriram Singh)
Chief Engineer, Project-I (Urban)

LAXMI ENTERPRISES
NH-28, VILL.- SHERPUR, MUZAFFARPUR
(PSC POLE MANUFACTURER & SUPPLIER)

GUARANTEED TECHNICAL PARTICULARS OF 8 MT./ 200 KG. WORKING LOAD PSC POLE

SL. NO.	Description	Values
1	Over all Length of the Pole	8.0 meter long
2	Working Load	200 kg.
3	Depth of Plantation	1500 mm from Bottom (to be marked)
4	Load Applied	600 mm from Top
5	Factor of Safety	2.5
6	Applicable Standards	
	Method of test for Concrete Poles for Overhead Power and Telecommunication Lines	IS: 2905
	Specification for Pre-stressed Concrete Poles for Overhead Power, Traction and Telecommunication	IS: 1678
	Holes for Fixing Cross- Arms and other Fixtures	REC Spec. No. 15/1979
	Concrete Mix	IS:456-1978, IS:1343-1980
	Aggregate	IS: 383
	Admixture	IS:9103
7	Concrete Qty. per pole in Cubic Meter	0.1566 M ³
8	Dimension of Pole (In MM)	
	A) Top Dimension	145 x 90
	B) Bottom Dimension	290 x 90
9	Dia of H. T. Wire	4 MM
10	No. of H. T. Wire Tensioned	12 nos.
11	No. of untensioned wire	02 nos.
12	Concrete Mix and Strength after	
	A) 72 Hours	210 Kg./Cm. Square
	B) 28 days	420 kg./ Cm. Square(42 N/mm ²)
13	Concrete Mix	M 420
14	UTS of Prestressing Wire	175 kg/ mm ²
15	Clean Cover to Wire	20 MM
16	Weight per Pole	380 kg.
17	Steel Qty. per Pole	11.056 Kg.
18	Cement	Conform to IS:269/ 1976 OR IS:80418/1978
19	Aggregate	The Nominal Maximum size of Aggregate shall in no case exceed 12 MM
20	Permissible Tensile Stress in Concrete	17500 kg./ cm ²

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

CE (Project-1), Urban
 NBPDC

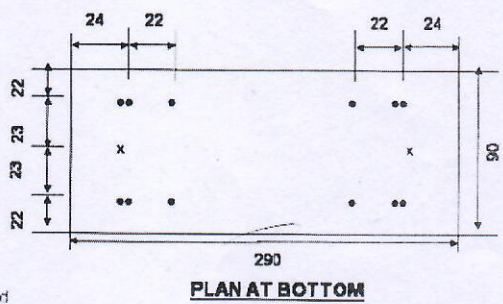
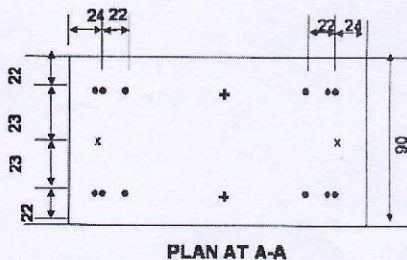
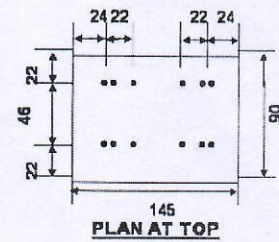
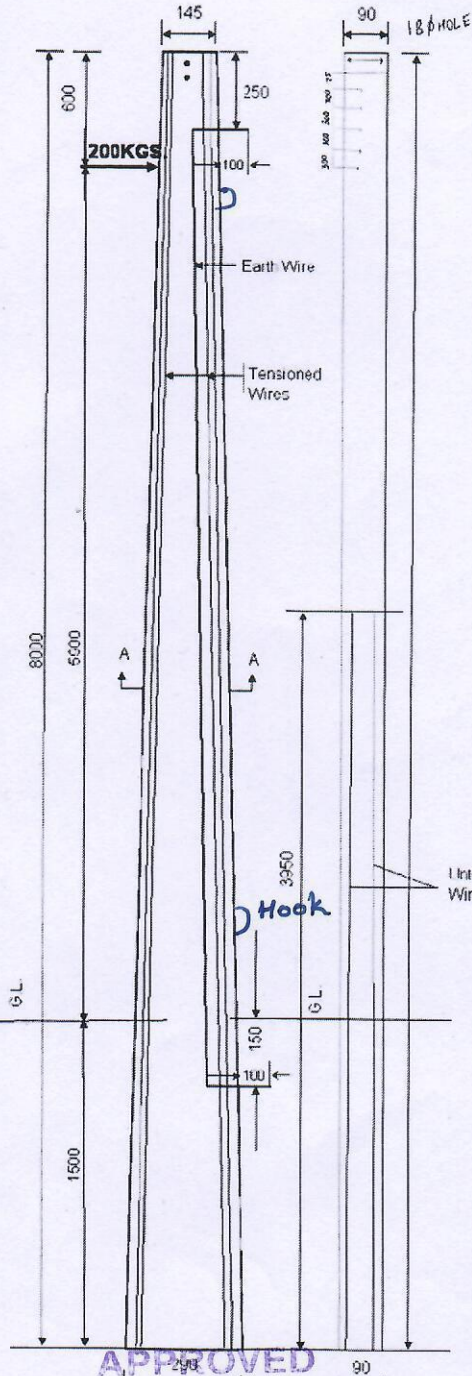
Checked
 AEE(P-1) EEE(P-1) ESE(P-1)

Marking on pole (Engraved) -
 NBPDC (RDSS -LR), Sn.No -
 Manufacturer's name,
 Month/Year.

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



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



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

TECHNICAL GUARANTEE PARTICULARS OF 8.0mtr/200KG WORKING LOAD SECTION:

A).TOP	145 X 90 MM
B).BOTTOM	290 X 90 MM
QUANTITY OF CONCRETE	0.157M ³
CONCRETE GRADE	M-420
OVERALL LENGTH SUPPORT	8.0 MTR
PLANTING DEPTH	1.5 MTR
DIA METER OF PRESTRESSING WIRE	4 MM
NUMBER OF TENSIONED WIRES	12 NOS
NUMBER OF UNTENSIONED WIRES	2 NOS
PRE-TENSIONED APPLIED TO EACH 4MM WIRE	1760KGS
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS	420 KG/CM ²
CLEAR COVER	20 MM
FACTOR OF SAFETY	2.5
WORKING LOAD	200 KGS
ULTIMATE LOAD	500 KGS
WEIGHT OF POLE (THEORITICAL)	380 KGS
LOAD APPLICATION AT A POINT FROM THE TOP	600 MM
UNTIMATE TENSION STRENGTH FOR 4MM WIRE	17500KG/CM ²
ALL DIMENSIONS ARE IN mm	NOT TO SCALE

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



CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDC) (Project-1), Ujjain.
PROJECT	"Revamped Reforms-based and Results-linked, Distribution Sector Scheme" under Circle Muzaffarpur.
LOI NO.	Supply Contract - NOA No.250 dated 06.03.2023
	Erection Contract - NOA No.251 dated 06.03.2023
Contractor	Ashoka Buildcon Ltd, Nashik.(Maharashtra) AEE(P-1) EEE(P-1) ESE(P-1)

Checked