



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/V.A/Chapra Circle-3040/2023-

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@ncccltd.in

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

**Ref:- (i) NOA No.-244 & 245 dated 06.03.2023
(ii) Your letter no.-033 dated 25.05.2023**

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 & Address
1	8 Mtr. 200 Kg PSC Pole	M/s Sai Enterprises, Vill-Nautan Bazar, P.O.-Nautan, Block-Ekma, Saran, Bihar-841208

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 Polycab India Ltd., Polycab House, 771, PanditSatwalekar Marg, Mumbai / M/s Ashoka Buildcon Ltd, S.No.-861, Ashoka House, Ashoka Marg, Vadala, Nashik-422011 / for information and necessary action.

Encl:-As above

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

Memo No.-

Date- 25-05-2023

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

Encl:-As above

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

GUARANTEE TECHNICAL PARTICULARS OF 8 MTRS LONG 200 Kgs. W/L. PSC POLES

- 1. Name of Manufacturer : M/s Sai Enterprises,
Vill.- Nautan Bazar, P.O.-Nautan,
Block - Ekma, Dist.-Saran-841208 (Bihar)
- 2. Manufacturing Unit : M/s Sai Enterprises,
Vill.- Nautan Bazar, P.O.-Nautan,
Block - Ekma, Dist.-Saran-841208 (Bihar)
- 3. Over All length of Pole : 8 Mtrs
- 4. Depth of Plantation : 1.5 Mtrs (to be marked)
- 5. Minimum Ultimate Transverse Load : 500 Kgs.
- 6. Weight of Pole in Kgs. : 380 Kgs. Approx
- 7. Factor of Safety : 2.5
- 8. Working Load Applied at 600 MM From Top : 200 Kgs.
- 9. Volume of Pole in cube Meters : 0.157 Cubic Meter
- 10. Dimensions of the Poles :
A. Top Dimension : 90 x 145 MM
B. Bottom Dimension : 90 x 290 MM
- 11. Actual Consumption/ Quantity of Material used in Manufacture of Each PSC Pole :
A. Cement [OPC IS : 269-1976] : 80 Kgs. Approx.
B. Sand : 3.75 CFT
C. Stone Chips [IS : 383] : 5.35 CFT
D. H.T. Steel wire :
1. Dia of Wire : 4 MM/12 Nos. Full & 4 MM / 2 Nos. Half
2. No. of Wire : 12 Nos. Tensioned & 2 Nos. Untensioned
3. Weight of Wire : 11 Kgs. Approx
4. Standard : IS : 1785-1983
- E. Other M.S. Reinforcement :
a. H.T. Wire Rings : 4 MM H.T. Wire of 12 Nos.
b. Weight of steel : 0.5 Kgs.
c. H.T. Wire Hooks : 2 Nos.
- 12. Earthing Arrangement in each PSC Poles:
a. Length of G.I. Wire & SWG : 7.5 Mtrs 8 SWG
b. Weight of G.I. Wire : 700 Gms.
- 13. Method of Pre - Stressing : By Tensioning of H.T. Wires through Tension Machine
- 14. Concrete mix & cube strength :
a. After 72 Hours : 210 Kgs/cum²
b. After 28 Days : 420 Kgs/cum²
- 15. Ultimate Tensile Strength of Pre stressed wire : 17500 Kg./ Cm²

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

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

APPROVED
Subject to the condition that you are not to assume any responsibility of the fitness of materials

Checked (P-1) ESE(P-1)

Checked (P-1) ESE(P-1)

Checked

Checked (P-1) ESE(P-1)

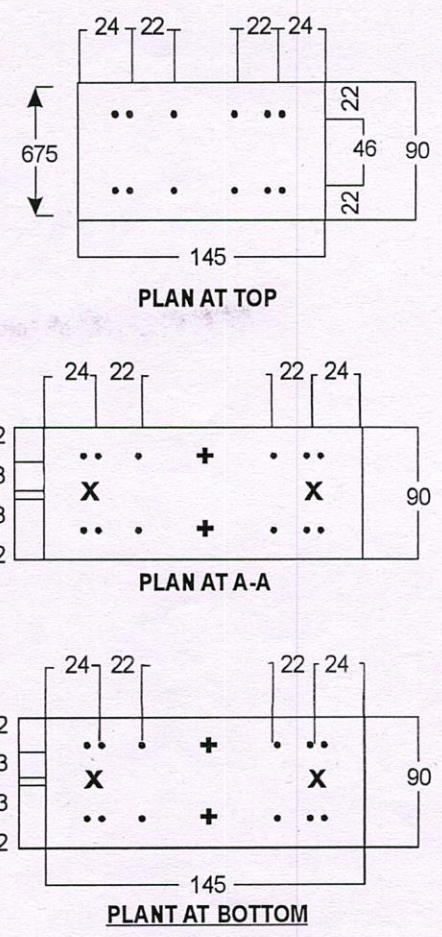
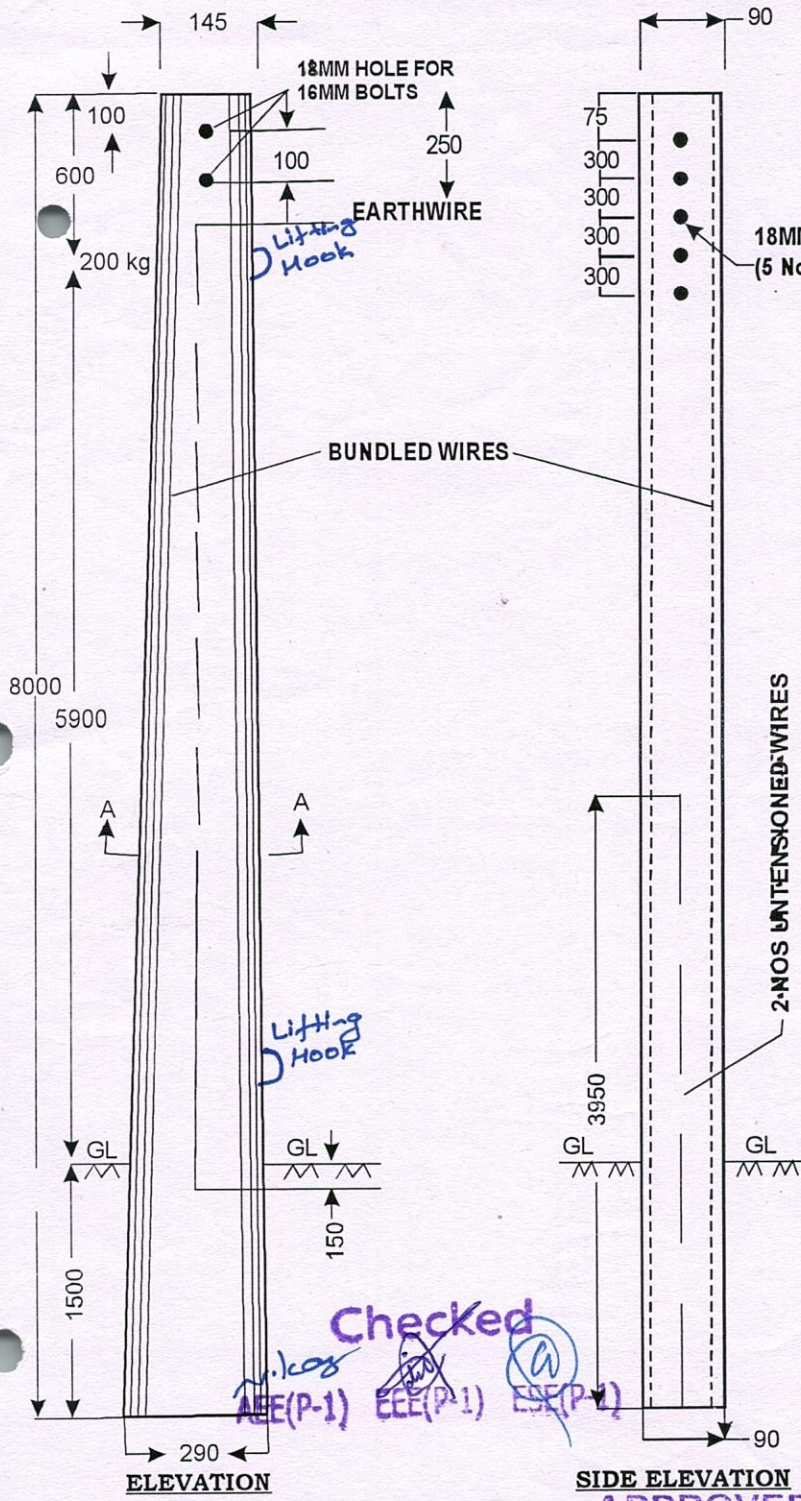
CE (Project-1) Urban



For M/s Sai Enterprises
Sadam Singh
PARTNER

DRAWING OF 8 MTR. LONG 200 KG WL PSC POLE

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DESIGN DETAILS	
1. Factor of Safety	: 2.5
2. Grade of concrete used	: M-42
3. Diameter of pre-stressing wire	: 4mm
4. Ultimate tensile strength of pre-stressing wire (KG/cm ²)	: 17500
5. No of Tensioned wires	: 12 Nos.
6. No. of Untensioned wires	: 2 Nos.
7. Concrete quantity per pole	: 0.157 CUM
8. Steel quantity per pole	: 10.25 kg
9. Weight of Pole	: 380 kg.
10. Clear Cover to wire	: 20MM
11. Location of holes as per Rec. Standards	
12. Section (A) Top - 145mmx90mm (B) Bottom - 290mmx90mm	
13. Planting Depth	: 1.5 mtr.
14. Pre-tension applied to each 4mm wire	: 1760
15. Working Load	: 200 kg.
16. Ultimate Load	: 500 kg.
17. Load application at point from the top	: 600 MM

* Denotes Tensioned wire
 x Denotes Untensioned wire
 * Possible position of earthwire

NOTE

1. Marking embossed on transverse face of pole.
2. Working load 200kg acting at 600mm below from top of Pole
3. All dimensions are in mm
4. Drawing not to scale
5. M.S rod rings on each end as per GTP
6. 12 Nos. of 4mm dia H.T. Wire
7. 2 Nos. of 4mm dia of untensioned wire of Length 3.95m each.

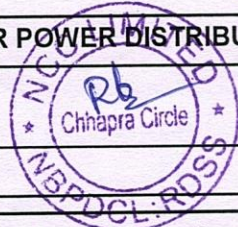
Checked
 AEE(P-1) EEE(P-1) ESE(P-1)

Subject to the condition that
 the contractor shall be held
 responsible for the correctness
 of materials

APPROVED

CE (Project-1), Urban
 NBPDC

Project-	CE (Project-1), Urban NBPDC
Customer -	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED
Contractor -	
LOA No. -	
Manufacturer -	M/s Sai Enterprises, M/s Sai Enterprises, Vill.- Nautan Bazar, P.O.-Nautan, Block - Ekma, Dist.-Saran-841208 (Bihar)



Sadanid

