



NORTH BIHAR POWER DISTRIBUTION CO. LTD.

[Office of Chief Engineer, Project-III]
(Regd. Office: Vidyut Bhawan, Bailey Road, Patna)

CIN No: U40109BR2012SGC018920

Letter No: 293
[File No: NB/P-II/RDSS]Purnea/Cabcon/75//2023]

Contact No: +91-9264437179

Dated: 20/7/23
From,

E-mail: cerdssnbpdc12@gmail.com

Pranav Kumar,
Chief Engineer (Projects-II)

To,

M/S CABCON India Limited
1st Floor, The Terminus Building, BG-12, Action Area -1B,
New Town, Kolkata-700156 Telephone/Fax numbers: 033 4036 5000
Email: project@cabconindia.com

Sub: - Approval of GTP & Drawings of 8 Meter 200 Kg Working Load PSC Poles of M/s Venkateshwar Concrete Private Limited, Kolkata against NIT No: 33/PR/NBPDCL/2022 for Purnea Circle.

- Ref:**
1. NIT No: 33/PR/NBPDCL/2022.
 2. This Office NOA No: NB/P-II/RDSS/Tender/25/2022-19 & 20 dated 06.03.2023.
 3. Your Letter No: CIL/NBPDCL/RDSS/Purnea/23-24/100 dated 19.07.2023.
 4. Director (Project) Letter No: 119 dated 07.07.2023.

Dear Sir,

With reference to subject noted above, please find attached herewith the GTP & Drawing of 8 Meter 200 Kg Working Load PSC Poles for Development of Distribution Infrastructure against NIT No: 33/PR/NBPDCL/2022 for Purnea Circle under RDSS Scheme. The materials list is as follows:

Sl. No	Name of Items	Name of Vendor
1	8 Meter 200 Kg Working Load PSC Poles	M/s Venkateshwar Concrete Private Limited, Kokata

The Correction wherever required in GTP & Drawings submitted by the contractor 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 that of the contractor .

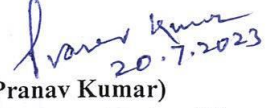
In case of any conflict or contradiction between GTP/Drawing & Technical Specification, the decision of Chief Engineer (Project-II) shall be final and binding on both the parties. Contractor shall

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,


20.7.2023

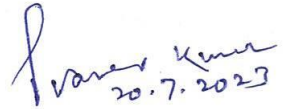
(Pranav Kumar)

Chief Engineer (Project-II)

Patna, dated 20/7/23

Memo No. 293

Copy forwarded to M/s NCC Limited, Hyderabad/M/s Vindhya Telelinks Limited, New Delhi/M/s Polycab limited, Mumbai/M/s Ashoka Buildcon Limited, Nashik/M/s Vaishno Associates Vidyut Projects LLP, Jaipur/M/s M/s JSP Projects Private Limited, Ghaziabad/M/s Techno Power Enterprises Private Limited, Kolkata for information.


20.7.2023

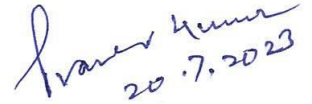
(Pranav Kumar)

Chief Engineer (Project-II)

Patna, dated 20/7/23

Memo No. 293

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


20.7.2023

(Pranav Kumar)



Chief Engineer (Project-II)

GUARRANTED TECHNICAL PARTICULAR (GTP)

1	Over all length of the pole	8 meter
2	Factor of safety	2.5 ✓
3	Working load applied at 600 MM from top	200 Kg ✓
4	Concrete mix	M 40 ✓
5	Concrete quantities Per Pole in Cubic Meter	0.157 Cu.m ✓
6	Minimum works cube strength	
	(i) At transfer of tensile load (72 Hrs.)	210 Kg/cm square ✓
	(ii) After 28 Days	420 Kg/cm square ✓
7	Dimension of Pole	
	(i) Top Dimesion	145mm x 90mm ✓
	(ii) Bottom Dimension	290mm x 90mm ✓
8	No. of Tensioned wire	12 ✓
9	No. of Untentioned wire	2 (Minimum Half of the Length) ✓
10	Dia of prestressing wire	4 mm ✓
11	UTS of prestressing wire	175 KG/Sq.mm ✓
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 150 mm at 250 mm from the 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.
18	Engraving Marking	NBPDCL, Developed under RDSS-LR, Maker's Sr No., Manufacturer's Name, Month / Year of Manufacture

APPROVED
 Subject to the condition that you are not absolved of the responsibility of Correctness of materials
(Signature)
 Chief Engineer (Project-II)
 NBPDCL

* Three feet from top shall be painted with M92001 colour as per IS:5/2007 (shade: 5A1)

	CABCON INDIA LIMITED 1st Floor, The Terminus Building, BG-12, Action Area - 1b, New Town, Kolkata - 700156, West Bengal, India
Contract Title:-	Development of Distribution Infrastructure at Purnea Electric Supply Circle (Purnea and Katihar Districts) of Bihar under Revamped Reforms-Based and Result-Linked, Distribution Sector Scheme against NIT No : 33/PR/NBPDCL/2022
	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED Office of Chief Engineer, Project-II, Vidyut Bhawan, Bailey Road, Patna-21
Name of Client	
NAME OF MANUFACTURER :-	Venkateswar Concrete Private Limited
N.O.A No :-	For Supply:- NB/P-II/RDSS/Tender/25/2022 -19 dated 06.03.2023 For Erection:- NB/P-II/RDSS/Tender/25/2022 -20 dated 06.03.2023
DRG. TITLE :-	GTP of 8.0 MTR PSC Pole

* Steel quantity per PSC pole = 10.25 kg/pole.
 * Coloured indelible depth marked at 1.5 M from bottom to verify re placing depth.

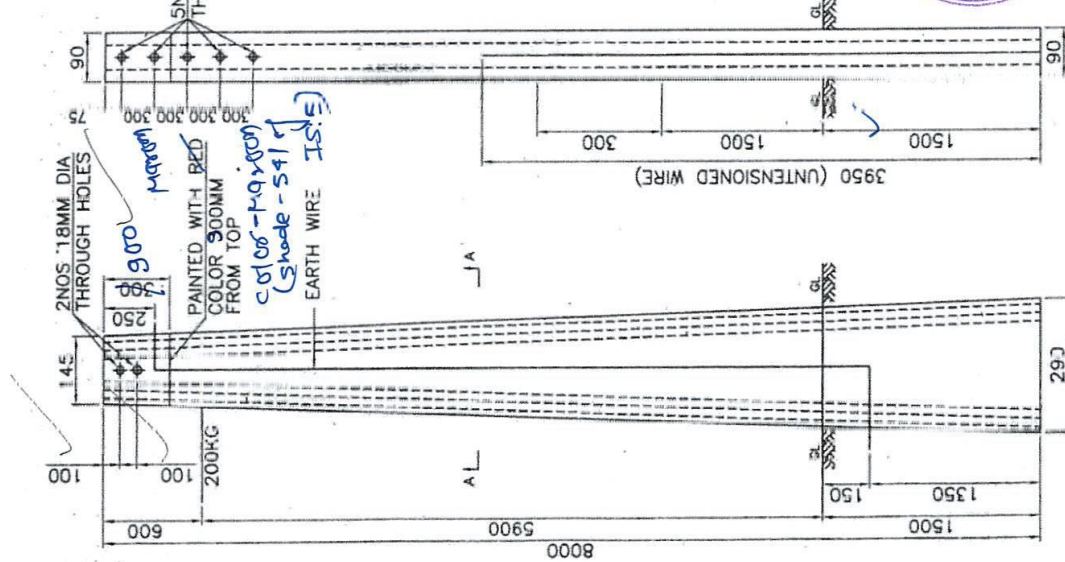
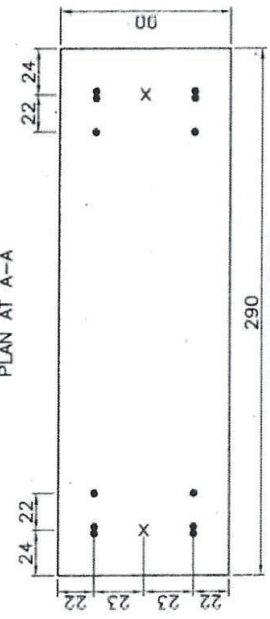
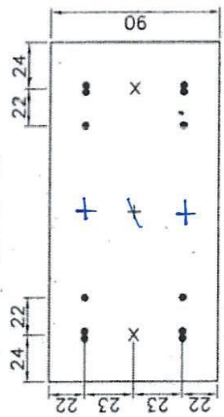
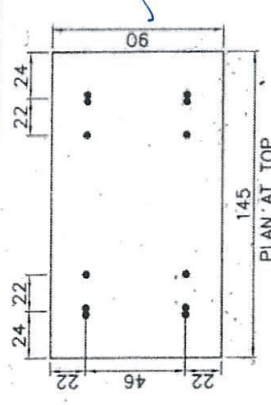
CHECKED
(Signature)
 AEE(P-II) EEE(P-II) ESE(P-II)



S.NO.	DESCRIPTION	QUAN
1	NO OF TENSIONED WIRES (4mm) 800MM LONG	12 NOS.
2	NO OF UNTENSIONED WIRES (4mm) 3950MM LONG	02 NOS.
3	CONCRETE QUANTITY FOR POLE	0.157M ³
4	CONCRETE GRADE	M40
5	WEIGHT OF POLE	350kg (Approx)
6	CLEAR COVER TO WIRES	20MM
7	FACTOR OF SAFETY	2.5
8	BOTTOM SECTION	290X90MM
9	TOP SECTION	145X90MM
10	ULTIMATE TENSILE STRENGTH OF PRESTRESS/HC WIRE	17500KG/CM ²
11	BSMG G.I. EARTH WIRE	1 NO.

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

NOTES:
 1) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
 2) RGGY 12th SHOULD BE ENGRAVED ON POLE.



2 NOS. 1.8MM DIA THROUGH HOLES
 5 NOS. 1.8MM DIA THROUGH HOLES
 PAINTED WITH RED COLOR 900MM FROM TOP
 EARTH WIRE IS (S) (SHADE - 541)

APPROVED
 Subject to the condition that you are not to be absolved of the responsibility of correctness of materials
 Chief Engineer (Project-II) NBRDCL

	CABCON INDIA LIMITED 1st Floor, The Farminus Building, 86-12, Action Area - 1b, New Town, Kolkata - 700156, West Bengal, India Development of Distribution Infrastructure all Purua Electric Supply Circle (Purua and Kailihar Districts) of Bihar under Revamped Reforms-Based and Result-Linked, Distribution Sector. Scheme against MIT No : 33/PR/NBRDCL, 2022
	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED Office of Chief Engineer, Project-II, Bidyut Bhawan, Bailey Road, Patna-21
Contract Title:- 	Venkateswar Concrete Private Limited NBRP-II/ROSS/India/25/2022-19 dated 06.03.2023 For Erection:- NBRP-II/ROSS/India/25/2022-20 dated 06.03.2023 PSC Pole-8.0 Meter Long 200 Kg
Name of Client NAME OF MANUFACTURER :- MO.A. No :- DRG. TITLE :- DRW. NO :- Drawn By Checked By	Approved By DATE SHEET NO.



CHECKED

Handwritten signature and initials
 AEE(P-II) ESE(P-II)