



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: 596

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

Dated: 15-06-2023

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 9 Mtr. 300 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.-244 & 245 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	9 Mtr. 300 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-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.- 596

Dated- 15-06-2023

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, Pandit Satwalekar 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

(Shriram Singh)

Chief Engineer, Project-I (Urban)

Memo No.- 596

Date- 15-06-2023

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

Encl:-As above

(Shriram Singh)



Chief Engineer, Project-I (Urban)

Guaranteed Technical Particulars of 9 Mtr 300 KG PSC Pole

Sl. No.	Description	Unit	Particulars
1	Type of Pole		Pre Stress Concrete
2	Factor of Safety		2.5 ✓
3	Overall Length of Pole (Meter)	MTR	9 ✓
4	Working Load <i>applied at 600 MM from top</i>	Kg	300 ✓
5	Point of Application of Load		600mm below from top ✓
6	Depth of Plantation	Mm	1500 ✓
7	Overall Dimensions		
i)	Bottom Depth	mm	355 ✓
ii)	Top Depth	mm	185 ✓
	Breadth	mm	100 ✓
8	Reinforcement Details		
i)	Diameter of Pre Stressing Wire	mm	4 ✓
ii)	No. of Tensioned Wires	Nos.	20 ✓
iii)	No. of Untensioned Wire	Nos.	0
iv)	Length of each pre stressing wire	Mtr.	9
v)	Ultimate Tensile Strength	Kg/cm ²	17500 ✓
vi)	Steel Quantity	Kg/pole	22 ✓
9	Concrete Detail		
i)	Cement Type		Ordinary Portland Cement <i>43/53 grade</i>
ii)	Concrete mix strength	Kg/cm ²	210kg/cm ² at time of transfer of prestress (min) <i>after 72 hrs</i> 420kg/cm ² at age of 28 days (min) ✓
iii)	Concrete Quantity	Cubic meter/p	0.243m ³ ✓
iv)	Concrete covering to Wires	Mm	20
10	GI Earthing wire	SWG	6 ✓
11	Length of GI Earth Wire	Mtr	7.8 ✓
12	Weight of PSC Pole	Kg	607 ✓
13	18MM holes at a distance of from top	Mm	100,200,1000 ✓
14	Engraving Marking		APPROVED NBPDC/ SBPDC, Makers Sr. No., Manufacturer's Name Month/Year of Manufacture <i>(RDSS-LR)</i>
15	Standard confirming to		<i>you are not absolved to the responsibility of correctness of materials</i>
	Pole		IS:1678/2000 ✓
	Cement		IS:8041 ✓
	Aggregates		IS:383/1970 ✓
	Pre stressing wire		IS:6003/1983 ✓
	Concrete Mix		IS:456/2000 ✓
	Tolerance Dimensions	NBPDC	a) +15mm on overall length of pole ✓ +5mm on sectional dimension ✓ 0.5% on the uprightness of pole ✓

Concrete Grade weight of GI wire M-42 1.15

Title Block for Bihar NBPDC - 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	9.0 Mtr. 300 Kg. Working Load	
CTP No.	1	<i>Method of Pre-Stressing → By Tensioning of HT wires through Hydraulic Tensioning H.T wire Hooks No → 2</i>



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

Minimum ultimate transverse load kg → 750

