



NORTH BIHAR POWER DISTRIBUTION CO. LTD.

[Office of Chief Engineer, Project-II]

(Regd. Office: Vidyut Bhawan, Bailey Road, Patna)

CIN No: U40109BR2012SGC018920

Letter No: 831
[File No: NB/P-II/RDSS]GTP/Drawing/Darbhangha-20/2023]

Contact No: +91-9264437179

Dated: 27/10/23

E-mail: cerdssnbpdc12@gmail.com

From,

Pranav Kumar
Chief Engineer (Project-II)

To,

M/s J.K. Electric Contractor LLP),
(Subcontractor of M/s JSP Project Pvt. Ltd, Ghaziabad)
158-159, Mahendwas House, Nehure Bazar, Jaipur
Email: info@jkecllp, jkec1981@gmail.com,

Sub: - Approval of GTP & Drawings of 11 Mtr long & 9 Mtr long Steel tabular Pole swaged type 540 SP28 against NIT No.31/PR/NBPDCL/2022 for Darbhanga Circle.

Ref: 1. This Office NOA No: 15 & 16 dated 06.03.2023.
2. Vendor Approval vide letter no. 204 Dated 14.09.2023 & 243 Dated 13.10.2023 of Director (Project).
3. Your Letter No- JKEC(LLP)/NB/RDSS/23/DBG/119 dated 18/10/2023

Sir,

With reference to the subject noted above, please find enclosed herewith the GTP & drawing of 11 Mtr long & 9 Mtr long Steel tabular Pole swaged type 540 SP 28 for Development of Distribution Infrastructure against NIT No: 31/PR/NBPDCL/2022 for Darbhanga Circle under Revamped Reforms-Based And Results-Linked, Distribution Sector Scheme.

Sl. No.	Name of Item	Vendor Name
(i)	11 Mtr long Steel tabular Pole swaged type 540 SP28	M/s BST Infratech Ltd. Kolkata, W.B
(ii)	9 Mtr long Steel tabular Pole swaged type 540 SP28	

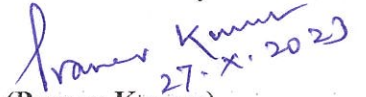
The Correction wherever required in GTP/ Drawing submitted by the manufacturer has been done. However, these Drawings shall be subject to correctness as per technical specifications of the tender document and the entire responsibility of the correctness of the drawing as per the specifications as well as supply of material according to the technical specifications of the contract agreement shall be responsibility of the contractor.

In case of any conflict or contradiction between GTP / Drawings & Technical Specifications, the decision of C.E. (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


(Pranav Kumar)
27-X-2023

Chief Engineer (Project-II)

Memo no...831/

dated...23/10/23/

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

Pranav Kumar
27.X.2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No...831/

dated...23/10/23/

Copy forwarded to Chief Engineer Project-I (Urban), for kind information and needful action.

Pranav Kumar
27.X.2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No...831/

dated...23/10/23/

Copy forwarded to M/s Rodic Consultants, HQ Team for kind information and needful action.

Pranav Kumar
27.X.2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No...831/

dated...23/10/23/

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

Pranav Kumar
27.X.2023

(Pranav Kumar)

Chief Engineer (Project-II)

GUARANTEED TECHNICAL PARTICULARS OF 11M LONG SWAGED STEEL TUBULAR POLE 540-SP52

Sl. No.	DESCRIPTION	UNIT	DETAILS
A	NAME OF CONTRACTOR		JSP PROJECTS PVT. LIMIED, GHAZIABAD
B	CONTRACT TITLE		RDSS
C	NAME OF CLIENT		NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED, O/o. Chief Engineer, Project-II, Vidyut Bhawan, Bailey Road, Patna-21
D	NAME OF MANUFACTURER		BST INFRA TECH LIMITED, Kolkata, West Bengal
E	NOA No.		15 dt. 06.03.2023
1	Item description		11M long Steel tubular swaged type as per 540-SP52
2	Standard followed for Manufacturing & testing		As per IS 2713/1980(Part I to III) with latest amendment.
3	Designation of pole		540-SP52
4	Overall Length	Mtr	11
5	Planting Depth	Mtr	1.8
6	Load applied from top at distance	Mtr	0.6
7	Height above ground	Mtr	9.2
8	Type of Pole		Swaged Type
9	Material		Steel, will show sulphur and phosphorous contents of more than 0.060 percent each when tested in accordance with IS:228 (Part-III:1972) and IS:228(Part-IX)
10	Manufacturing process		As per IS Clause 5.3 and 5.4 of IS:2713(Part-I)
11	Minimum Tensile Strength		540MPa (:55Kgf/mm2).
12	Length of section details :-		
	a) Bottom section (h3)	Mtr	5.60
	b) Middle section (h2)	Mtr	2.70
	c) Top section (h1)	Mtr	2.70
13	Out side diameter & thickness of section details :-		
	a) Bottom section (h3)	mm	165.1x4.5mm
	b) Middle section (h2)	mm	139.7x4.5mm
	c) Top section (h1)	mm	114.3x3.65mm
14	Swaged & Welded joint length :-		
	a) Top with Middle (J1)	mm	300
	b) Middle with Bottom (J2)	mm	350
15	Approximate weight Pole	Kg	175
16	Breaking Load	Kgf	567
17	Working load with factor of Safety, 2.5	N/Kgf	227
18	Drop test		As per IS 2713/1980(Part I to III) with latest amendment.
19	Pole Painting		Pole will be coated with Black Bituminous paint conforming to IS:158-1968 through out internally and externally upto to level which goes inside the earch and remaining portion of the exterior will be painted with two coats of red oxide primer. and 2 or more coats of Aluminim paint.
20	Base plate & Cap		Baseplate 250x250x8mm and top cap welded
21	Earthing		Through hole 14 mm dia in each pole at height of 300 mm above the planting depth
22	Marking on Pole		540-SP28/BSTL/2023/NBPDCL/RDSS-LR

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

Chief Engineer (Project-II)
 NBPDCL
 (Embossing)

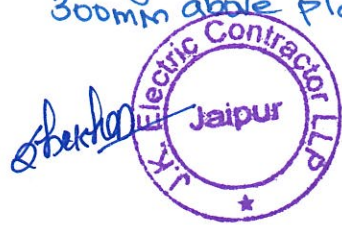
For BST INFRA TECH LIMITED

1. Pole Painting for Identification :- Three feet from Top shall be painted with Maroon colour as per IS- 5/2007/541

2. Earthing Arrangement :- Through hole of 14mm dia at a height of 300mm above planting depth.



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



Note:-

- i) Contractors/Manufacturers are not Absolved the responsibility of Correctness of Materials
- ii) The material must comply Technical Specification of REC and relevant IS.
- iii) Manufacturer must have valid Type Test report as mentioned in Technical specification of RDSs at the Time of Inspection.
- iv) Steel tubular Poles shall be cleaned till good surface finish and Painted with 2 or more coats of Red oxide paint & 2 or more coats of AL. Paint till good finish.



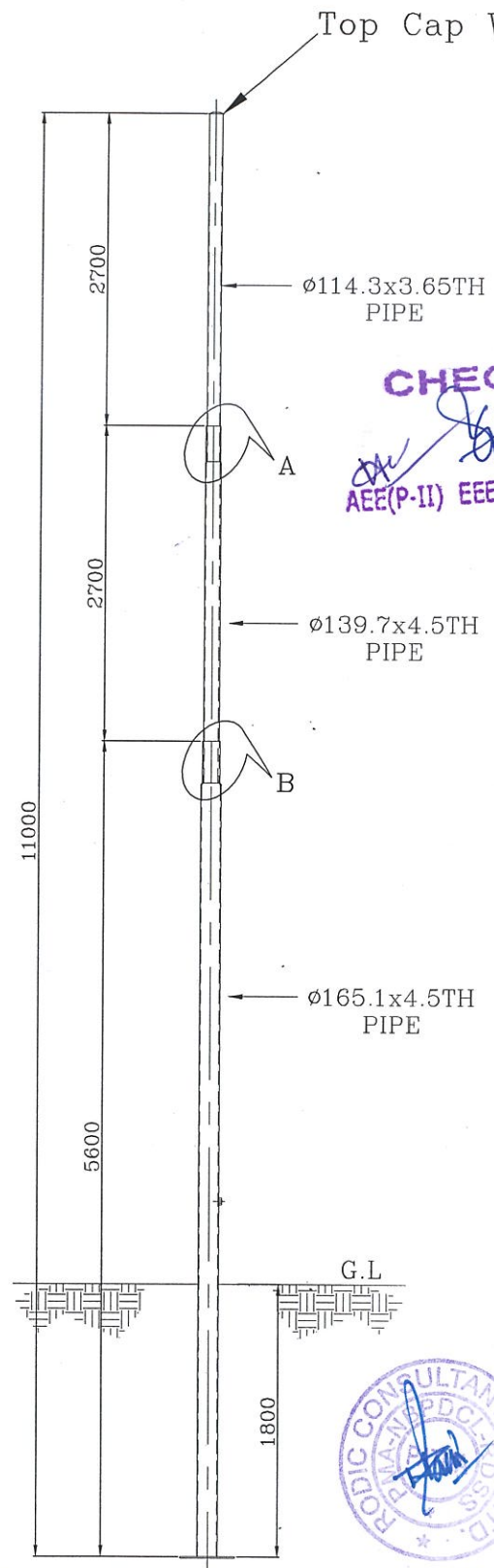
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AEE(P-II) EEE(P-II) ESE(P-II)

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

Chief Engineer (Project-II)
NBPDCL

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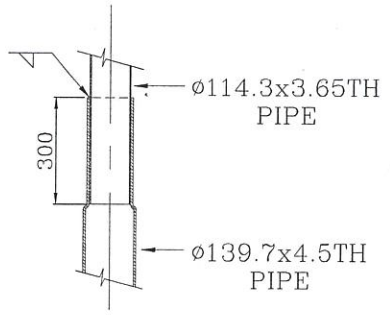


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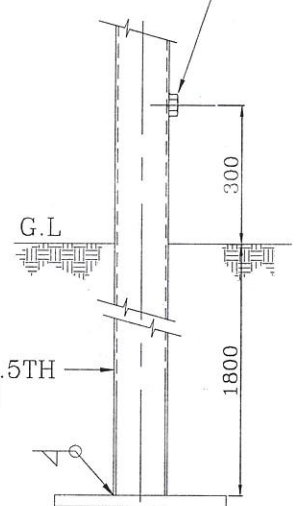
Tranor Kumar
 Chief Engineer (Project-II)
 NBPDC

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AE *EE* *ES*
 AEE(P-II) EEE(P-II) ESE(P-II)

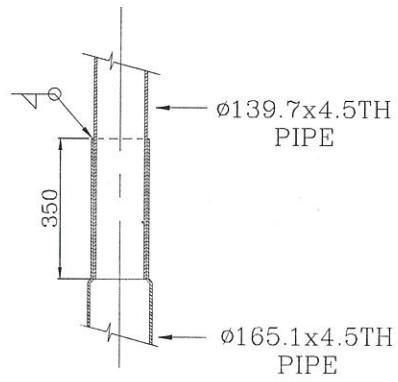
Ø12 NUT WELDED FOR
 Ø12 EARTHING BOLT



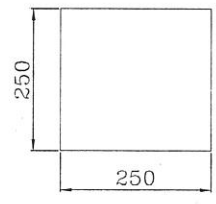
DETAIL-A



DETAIL-C

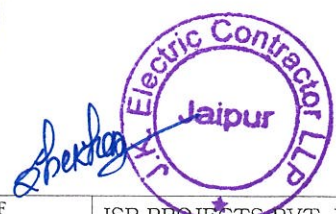


DETAIL-B



BASE PLATE
 250x250x8mm

DETAIL REFER-C



Note: The drawing must be as per the approved G.P and relevant IS

- NOTE:-
1. ALL DIMENSIONS ARE IN mm
 2. POLE AS PER IS 2713 : 1980 (Pt I & III)
 3. POLES SHALL BE PAINTED WITH ONE COAT OF RED OXIDE PRIMER IN EXTERIOR PORTION AND BLACK BITUMINOUS PAINT UP TO PLANTING DEPTH AS PER IS.
- Two and Top Coat of Aluminium Paint*

NAME OF CONTRACTOR	JSP PROJECTS PVT. LTD., Ghaziabad		
CONTRACT TITLE:	RDSS		
NAME OF CLIENT		NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED Office of Chief Engineer, Project-II, Viduyt Bhawan, Baijey Road, Patna-21	
NAME OF MANUFACTURER		BST INFRA TECH LIMITED (Kolkata, WB)	
NOA NO.	15 Dated 06.03.2323		
DRG. TITLE	11 Mtr. Long Steel Tubular Pole 540-SP-52 As per IS:2713.		
DRG. NO.	BSTI/NBPDC/ISP/RDSS/13/01		
Drawn By	Checked By	Approved By	Sheet No. / Date
A. Chakraborty	S. Ghosh	S. Ghosh	1 of 1 / 22.09.2023



BST INFRA TECH LIMITED

GUARANTEED TECHNICAL PARTICULARS OF 9M LONG SWAGED STEEL TUBULAR POLE 540-SP28

Sl. No.	DESCRIPTION	UNIT	DETAILS
A	NAME OF CONTRACTOR		JSP PROJECTS PVT. LIMIED, GHAZIABAD
B	PACKAGE NAME/CONTRACT TITLE		RDSS
C	NAME OF CLIENT		NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED, O/o. Chief Engineer, Project-II, Vidyut Bhawan, Bailey Road, Patna-21 ✓
D	NAME OF MANUFACTURER		BST INFRA TECH LIMITED, Kolkata, West Bengal ✓
E	NOA No.		15 dt. 06.03.2023 ✓
1	Item description		.9M long Steel tubular swaged type as per 540-SP28 ✓
2	Standard followed for Manufacturing & testing		As per IS 2713/1980(Part I to III) with latest amendment. ✓
3	Designation of pole		540-SP28 ✓
4	Overall Length	Mtr	9 ✓
5	Planting Depth	Mtr	1.5 ✓
6	Load applied from top at distance	Mtr	0.3
	Height above ground	Mtr	7.5 ✓
8	Type of Pole		Swaged Type ✓
9	Material		Steel, will show sulphur and phosphorous contents of more than 0.060 percent each when tested in accordance with IS:228 (Part-III:1972) and IS:228(Part-IX) ✓
10	Manufacturing process		As per IS Clause 5.3 and 5.4 of IS:2713(Part-I) ✓
11	Minimum Tensile Strength		540MPa (:55Kgf/mm2). ✓
12	Length of section details :-		
	a) Bottom section (h3)	Mtr	5.00 ✓
	b) Middle section (h2)	Mtr	2.00 ✓
	c) Top section (h1)	Mtr	2.00 ✓
13	Out side diameter & thickness of section details :-		
	a) Bottom section (h3)	mm	139.7×4.5 ✓
	b) Middle section (h2)	mm	114.3×3.65 ✓
	c) Top section (h1)	mm	88.9×3.25 ✓
14	Swaged & Welded joint length :-		
	a) Top with Middle (J1)	mm	230 ✓
	b) Middle with Bottom (J2)	mm	300 ✓
15	Approximate weight Pole	Kg	113 ✓
16	Breaking Load	Kgf	478 ✓
17	Working load with factor of Safety : 2.5	N/Kgf	191 ✓
18	Drop test		As per IS 2713/1980(Part I to III) with latest amendment. ✓
19	Pole Painting		Pole will be coated with Black Bituminous paint conforming to IS:158-1968 through out internally and externally upto to level which goes inside the earch and remaining portion of the exterior will be painted with two coats of red oxide primer. and two coats of Aluminium paint will add finish ✓
20	Base plate & Cap		Baseplate 250x250x8mm and top cap welded ✓
21	Earthing		Through hole 14 mm dia in each pole at height of 300 mm above the planting depth ✓
22	Marking on Pole		540-SP28/BSTL/2023/NBPDCL/RDSS-LR ✓

APPROVED
 you are not absolved of the responsibility of correctness of materials
 Chief Engineer (Project-II)
 NBPDCL

CHECKED

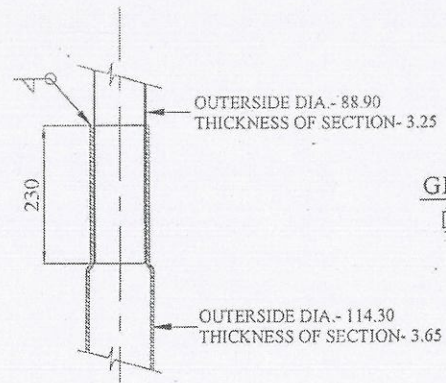
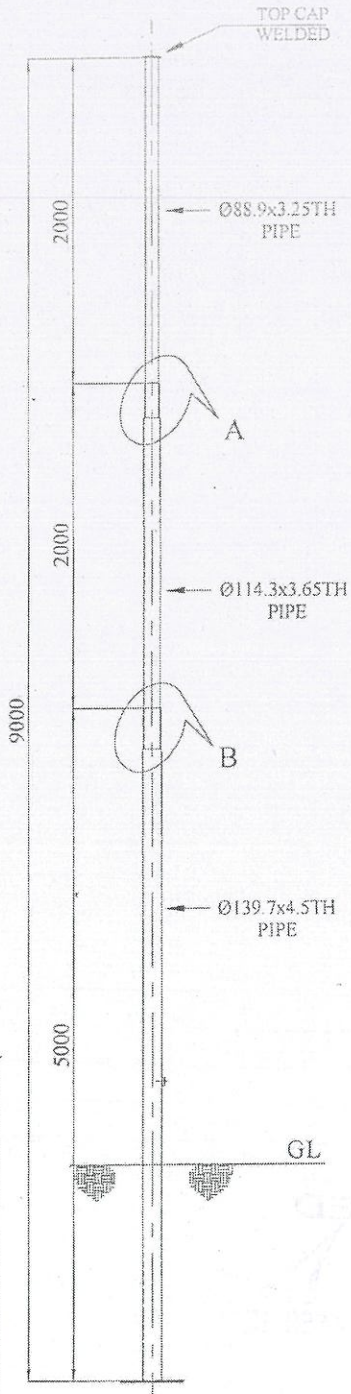


1) Pole Painting :- Three feet from Top shall be painted with for Identification Maroon color as per IS: 5/2007/541

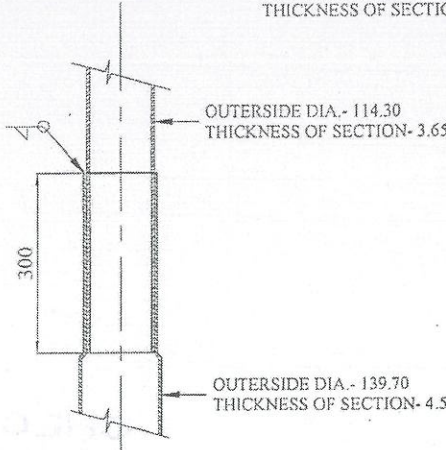
Note :- i) Contractor/Manufacturers are not absolved the responsibility of correctness of material
 ii) The material must comply Technical specifications of EC and relevant IS
 iii) Manufacturer must have valid Type Test report as mentioned in Technical specification of RDS at the Time of Inspection.

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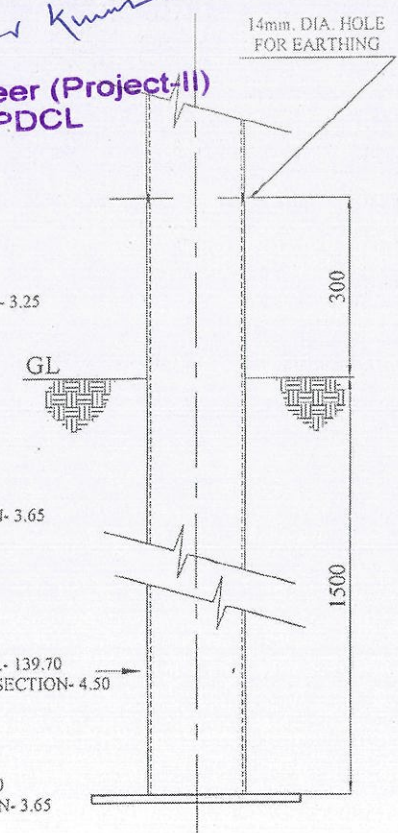
DETAIL REFER - C



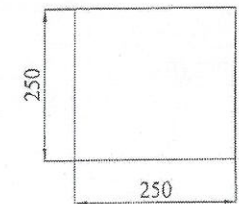
DETAIL-A



DETAIL-B



DETAIL-C



BASE PLATE
250x250x8mm

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

Pranav Kumar
Chief Engineer (Project-II)
NBPDCL

Note:- The drawing should be as per the approved GIP and relevant IS.

CHECKED
S. Ghosh
AEE(P-II) EEE(P-II) FGF(P-II)

NOTE:-
1. ALL DIMENSIONS ARE IN mm
2. POLE AS PER IS 2713 : 1980 (Pt I & III)
3. POLES SHALL BE PAINTED WITH ONE COAT OF RED-OXIDE PRIMER IN EXTERIOR PORTION AND BLACK BITUMINOUS PAINT UP TO PLANTING DEPTH AS PER IS: 2713
and two coats of Aluminum Paint



NAME OF CONTRACTOR	JSP PROJECTS PVT. LTD., Ghaziabad			
CONTRACT TITLE	RDSS*			
NAME OF CLIENT	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED Office of Chief Engineer, Project-II, Vidyut Bhawan, Uday Road, Patna-21			
NAME OF MANUFACTURER	BST INFRA TECH LIMITED (Kolkata, WB)			
NOA NO.	15 Dated 06.03.2323			
DRG. TITLE	9 Mr. Long Steel Tubular Pole 540-SP-28 As per IS:2713.			
DRG. NO.	BSTL/NBPDCL/JSP/RDSS/03-23/01		REV.	0
Drawn By	Checked By	Approved By	Sheet No.	Date
A. Chakraborty	S. Ghosh	S. Ghosh	1 of 1	22.08.2023