



# 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: 1261  
[File No:-N-XIII/RDSS/V.A./Motihari Circle-3131/2023-

Dated: 21-09-2023

E-mail: cerdssnbpdc@gmail.com

From,

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

To,

**M/s Vindhya Telelinks Limited**  
Club 125, 6th floor, Tower A, Plot No- 3, 4 & 5,  
Sector 125, Noida, UP-201301  
Email: [ashish@vtlrewa.com](mailto:ashish@vtlrewa.com)/ [s.shah@vtlrewa.com](mailto:s.shah@vtlrewa.com)/ [epc@vtlrewa.com](mailto:epc@vtlrewa.com)

**Sub:-** Regarding approval of GTP & Drawing of 8 Mtr. 200 Kg PSC Pole & 9 Mtr. 300 Kg PSC Pole of make M/s Shree Hanumat Jee Infracon Pvt. Ltd., Siwan for Loss Reduction Component works under "Revamped Reforms-Based and Results-Linked Distribution Sector Scheme."

**Ref:-** (i) NOA No.-246 & 247 dated 06.03.2023  
(ii) Your letter no.- VTL/NBPDCL/RDSS/Approval/Motihari/59 dated 18.09.2023

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 Shree Hanumat Jee Infracon Pvt. Ltd., Maharana Kothi, Ground Floor, Rajbanshi Nagar, Near Lalit Bus Stand, Siwan, Bihar-841226
2	9 Mtr. 300 Kg PSC Pole	

Correction where required in GTP & Drawing submitted by you has been done. However, these GTP & Drawing shall be subject to correctness as per technical specifications of the tender document and the entire responsibility of correctness of the GTP & 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 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.- 1261

Dated- 21-09-2023

Copy forwarded M/s Ashoka Buildcon Ltd., Nashik/ M/s Polycab India Ltd., Mumbai /M/s NCC Ltd., Hyderabad- 500081 for information and necessary action.

Encl:-As above

(Shriram Singh)

Chief Engineer, Project-I (Urban)

Memo No.- 1261

Date- 21-09-2023

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

Encl:-As above

(Shriram Singh)

Chief Engineer, Project-I (Urban)

CIN-U31908BR2012PTC019549  
GSTIN : 10AASCS6716Q1ZP

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+91 7541900000

E-mail : shjipl@rediffmail.com

# SHREE HANUMAT JEE INFRACON Pvt. Ltd.

Regd. Office : Maharana Kothi, Ground Floor, Rajbansi Nagar, Near Lalit Bus Stand  
Siwan, Bihar (India) Pin Code - 841226

Ref.:

Date:.....

CLIENT	NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED (NBPDC)		
PROJECT	Development of Distribution Infrastructure of Electric supply circle Bhagalpur of Bihar of Loss reduction component works under "Revamped Reforms-based And Result Linked Distribution sector scheme		
NOA No.	246 DATED 6TH MARCH 2023 FOR SUPPLY AGAINST NIT NO. 29/PR/NBPDC/2022		
COMPANY	M/S.VINDHYA TELELINKS LIMITED		
Guaranteed Technical Particulars of 9 Mtr 300KG PSC Pole			
SI. No.	Description	Unit	Particulars
1	Name of the Manufacturer & Address		M/s SHREE HANUMATJEE INFRACON PVT LTD Works Vill-Pachaura, Siwan, Bihar, Dist-Siwan, Bihar- 841226. ✓
2	Type of Pole		Pre Stress Concrete ✓
3	Factor of Safety		2.5 ✓
4	Overall Length of Pole(Meter)	MTR	9 ✓
5	Working Load	Kg	300 ✓
6	Point of Application of Load		600 mm below from top ✓
7	Depth of Plantation	Mm	1500 ✓
8	Overall Dimensions		
i)	Bottom Depth	mm	355 ✓
ii)	top Depth	mm	185 ✓
iii)	Breadth	mm	100 ✓
9	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 <sup>2</sup>	17500 ✓
vi)	Steel Quantity	Kg/pole	22 ✓
vii)	Length of GI Earth Wire	Mtr	7.8 ✓
10	Concrete Detail		
i)	Cement Type		Ordinary Portland Cement / IS1678 ✓
ii)	Grade		53 Grade / IS1678 ✓
iii)	Type		M 42 ✓
iv)	Concrete mix strength	Kg/cm <sup>2</sup>	210 kg/cm <sup>2</sup> at time of transfer of prestress(min) ✓
		Kg/cm <sup>2</sup>	420kg/cm <sup>2</sup> at age of 28days(min) ✓



SHREE HANUMAT JEE INFRACON PVT. LTD.

Manish Kumar

Checked

AEE(P-1) EEE(P-1) FSE(P-1)

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you are not absolved to the  
responsibility of correctness  
of materials

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v)	Concrete Quantity	Cubic meter/pole	0.243m <sup>3</sup> ✓
vi)	Concrete covering to Wires	Mm	20 ✓
11	GI earthing wire	SWG	6 ✓
12	Length of GI Earth Wire	Mtr	7.8 ✓
13	Weight of PSC Pole	Kg	607 ✓
14	GI Earth Wire with top & bottom 200mm (Min) Projection outside	mm	250mm (from Top) ✓
		mm	1300mm ( from Bottom) ✓
15	18 MM holes At a Distance of from top	Mm	100, 200, 1000 ✓
16	Engraving Marking		Developed under RDSS/NBPDCL, Makers Sr No. and mark, Manufacturer's Name Month/Year of manufacturer, Transverse strength of pole in Kg. Coloured indelible depth mark at 1.5 Mtr from bottom to verify planting depth.
17	Standard confirming to		
	Pole		IS: 1678/2000 ✓
	Cement		IS:8041/ IS:455 ✓
	Aggregates		IS: 383/1970 ✓
	Pre stressing wire		IS:6003/1983 ✓
	Concrete Mix		IS:456/2000 ✓
18	Tolerance Dimensions		a) +- 5mm on overall length of pole ✓ +- 5mm on sectional dimension ✓ 0.5% on the uprightness of pole ✓

Note - 1) Leftout parameter if any shall be as per relevant IS and Technical specifications of RDSS.  
2) Developed under RDSS engraving is mandatory requirement.

SHREE HANUMAT ENGINEERING PVT. LTD.  
Signature of Manufacturer's  
*Manish Kumar*  
Checked & Verified By DIRECTOR

Seal & Signature of TKC

PMA

JE (P-II)

AEE(P-II)

EEE(P-II)



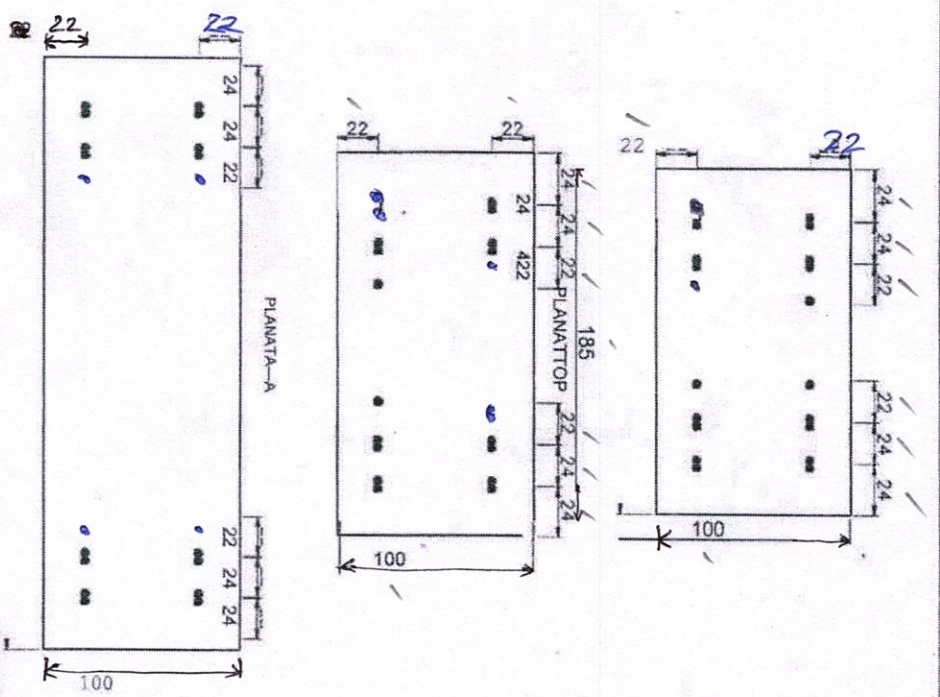
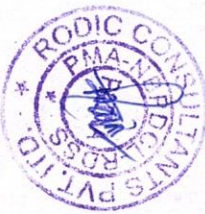
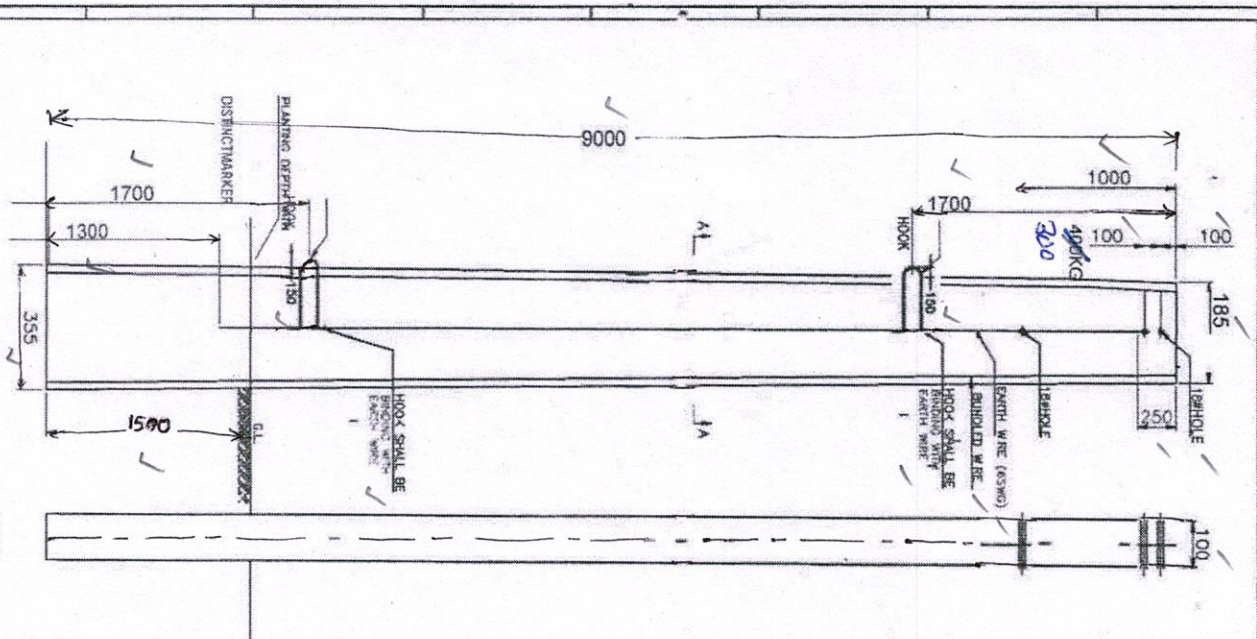
Pole painting for Identification :- Three feet from top shall be painted with Maroon colour as per IS-5/2007/541 in all four faces of the pole



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S. NO.	DESCRIPTION	QUANTITY
1	NO. OF TENSIONED WIRE (4mm)	20 Nos
2	CONCRETE GRADE	M-40
3	OVERALL LENGTH SUPPORT	4.00
4	LANTIN DEPTH	4.00
5	DIAPHRAGM STRESSING WIRE	1.00
6	LEAD COVER	4.00
7	FACTOR OF SAFETY	2.5
8	WORKING LOAD	3025
9	ULTIMATE TENSION STRENGTH	4000
10	RESISTING WIRE	400
11	G.I. EARTHING SWG	17500 Kg/cm <sup>2</sup>

LEGEND  
 @ DENOTES TENSIONED WIRES  
 - DENOTES POSSIBLE POSITION OF EARTH WIRE

- NOTES:
- 1) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
  - 2) POLE WITH ANY TYPE OF EDGE ROUNDED SHALL BE ACCEPTABLE.
  - 3) TOLERANCE OF CURVATURE SHALL BE 0.5%.

Checked  
 AEP-1) EEP-1) EEP-1)

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 NBPDC

NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED  
 PROJECT Reformed Based and Result Linked Distribution Sector Scheme  
 Contractor - VINDHYA TEELINKS LIMITED  
 NOA No. for Supply - 246 DATED 6<sup>TH</sup> MARCH 2023 FOR SUPPLY AGAINST NIT NO.26/PR/NBPDC/L/2022  
 NOA No. for Election - 17 DATED 6<sup>TH</sup> MARCH 2023 FOR SUPPLY AGAINST NIT NO.32/PR/NBPDC/L/2022  
 TITLE GA. OF 9.0MTR/300KG PSC POLE.  
 Manufacturer - M/s SHREE HANUMATI JEE INFRA CON PVT LTD Works Vill-Pachaura, siwan, Bihar, Dist-Siwan, Bihar-841226.



Manish Kumar

RECORD DATE: 06/09/2023  
 DRAWN BY: Manish Kumar  
 CHECKED BY: Manish Kumar  
 APPROVED BY: Manish Kumar  
 DATE: 06/09/2023

CIN-U31908BR2012PTC019549  
GSTIN : 10AASCS6716Q1ZP

Mob. +91 9434008921  
+91 7541900000

E-mail : shjipl@rediffmail.com

# SHREE HANUMAT JEE INFRACON Pvt. Ltd.

Regd. Office : Maharana Kothi, Ground Floor, Rajbansi Nagar, Near Lalit Bus Stand  
Siwan, Bihar (India) Pin Code - 841226

Ref. :

Date : .....

### GUARANTEED TECHNICAL PARTICULARS OF PRESTRESSED CONCRETE POLES

8.Mtr. Long 200 kg working load at the point 600mm bellow top.

#### 1. Technical Data

- a) Type of pole : Pre-stress concrete ✓
- b) Factor of Safety : 2.5 ✓
- c) Length of Pole : 8000mm ✓
- d) Working Load : 200kg. ✓
- e) Point of application of load : 600mm from top ✓
- f) Depth of Plantation : 1500mm ✓

#### 2. Dimensional Details

- a) Top cross section : 145mm x 90mm ✓
- b) Bottom cross section : 290mm x 90mm ✓
- c) Concrete covering across depth of pole : 20mm ✓
- d) Concrete covering across width of pole : 22mm ✓
- e) Length of G.I Wire : 6400mm ✓
- f) Size of G.I Wire : 8SWG(4.06)mm ✓

#### 3. Reinforcement Details

- a) Dia -meter of High tension pre-Stressing wire : 4mm(indented) ✓
- b) Length of H.T pre-stressing wire : 8000mm ✓
- c) Number of tension wire : 12 nos ✓
- d) Number of untension wire : 2 No of untension wire ✓
- e) Ultimate tensile strength : 17500kg/cm2 ✓
- f) IS code reference : IS-6003/1983 ✓

(Specification for indented Wire for pre-stressed concrete)

#### 4. Concrete details

- a) Cement to use : OPC-43Gr./IS-455
- b) Concrete mix strength : (i) 210 kg /cm2 at transfer of prestrees(minimum)  
(ii) 420 kg /cm2 at the age of 28 days(minimum)
- c) Concrete Quantity : 0.157 m3 ✓
- d) Weight : 380 kg ✓
- e) Dimension Tolerances : a) ± 15mm on 8000mm the pole length ✓  
b) ± 5mm on the cross sectional dimension ✓  
c) 0.5% on uprightness ✓



Checked  
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CE (Project-1), Urban  
NBPDCCL



FOR SHREE HANUMAT JEE INFRACON PVT. LTD

Manish Kumar

1) Engosling Marking:- NRPDCL/RDSS-LR, Makers SL No, Manufacturer's Name  
Month/year of Manufacture

2) Pole has to be painted in Maroon colour from top up to 23 feet for all four faces of the pole.

3) Applicable standard:-

- i) IS: 269/1976
- ii) IS: 383 - Stone chips
- iii) IS: 1785/1983 - steel wire
- iv) IS: 8041 - cement
- v) IS: 1678/2000 - Pole
- vi) IS: 456/2000 - Concrete mix



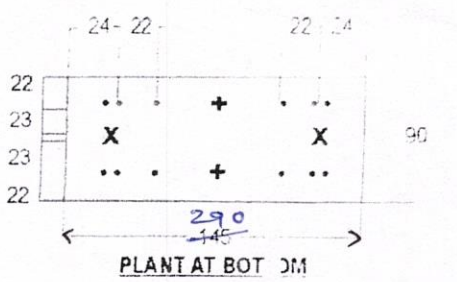
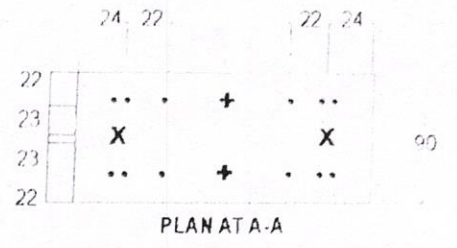
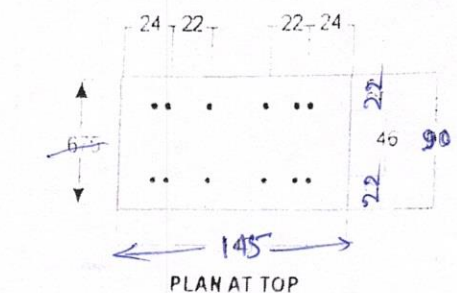
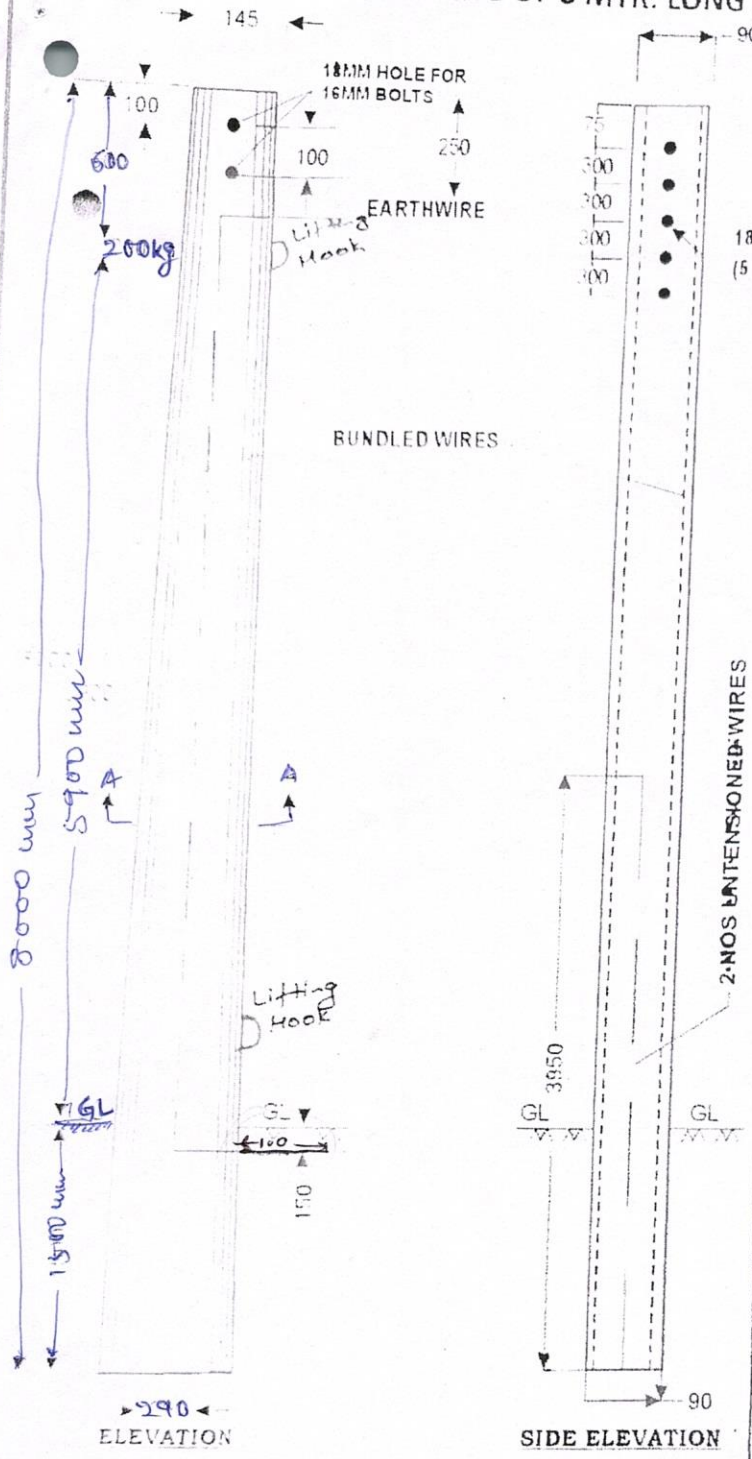
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GE (Project 1), Urban  
NRPDCL



# DRAWING OF 8 MTR. LONG 200 KG WL PSC POLE



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 <sup>2</sup> )	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  
 \* Denotes Untensioned wire  
 \* Possible position of earthwire

**NOTE**  
 1. Marking as per drawing 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.B. 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

**VINDIYA UTILITIES LIMITED**  
 Development of Distribution Infrastructure of Loss-Reduction works at  
 Motihari Area Saharsa Circle Under Revamped Distribution  
 Sector Scheme i.e. RDSS scheme

**NORTH BIHAR POWER DISTRIBUTION COMPANY LIMITED**

FILE NO. 28 & 32 PR/NBPDCL/2022  
 NOA NO. N-XIII/P (U)/Tender(RDSS)/3050/2022/246 dated 06/03/2023 for Supply Motihari Circle  
 N-XIII/P (U)/Tender(RDSS)/3050/2022/247 dated 06/03/2023 for Erection Motihari Circle  
 NBIP (RDSS)/Tender/25/2022/17 dated 06/03/2023 for Supply for Saharsa Circle  
 NBIP (RDSS)/Tender/25/2022/18 dated 06/03/2023 for Erection for Saharsa Circle

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 of materials

**Checked**  
 DIRECTOR  
 CE (Project-1), Urban  
 NBPDCL

**SHREE HANUMAT JEE INFRACON PVT. LTD.**  
 VINDIYA UTILITIES LIMITED  
 RODIC CONSULTANTS PVT. LTD.  
 AEE(P-1) FSE(P-1) FSE(P-1)