



NORTH BIHAR POWER DISTRIBUTION CO. LTD.
[Office of Chief Engineer, Project-II]
(Regd. Office: Vidyut Bhawan, Bailey Road, Patna)
CIN No: U40109BR2012SGC018920

Letter No: 172
[File No: NB/P-II/RDSS] /Darbhanga/VA-59/2023]
Dated: 16/06/2023

Contact No: +91-9264437179

E-mail: cerdssnbpdc12@gmail.com

From,
Pranav Kumar
Chief Engineer (Project-II)

To,

M/s JSP Projects Limited,
Flat No.-5 2nd Floor, 3rd B-2,
Neharu Nagar, Ghaziabad (UP)- 201001
Email: contract@jspprojects.com, jkeel981@gmail.com, pathak.m1971@gmail.com

Sub: - Approval of GTP of GI Wire, Stay wire and Barbed Wire against NIT No: 31/PR/NBPDCL/2022 for Darbhanga Circle.

- Ref: 1. This Office NOA No: 15 & 16 dated 06.03.2023.
2. Your Letter No- JSP/PAT/33 dated- 15.06.2023
3. Vendor Approval vide CE (Project-II) letter no. 142 Dated 08.06.2023 .

With reference to the subject noted above, please find enclosed herewith the GTP & drawing **GI Wire, Stay Wire and Barbed Wire** 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.

The Materials list is as follows:-

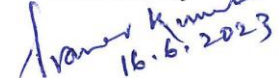
Sr. No.	Name of Items	Name of Vendor
1.	G.I Wire (4.0 MM)	M/s Pragati Wires Pvt. Ltd., Kolkata
2.	G.I Stay Wire(7/3.15 MM & 7/1.6 MM)	
3.	G.I Barbed Wire(2.5 MMX2.5 MM)	

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 / Drawlngs & 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


16.6.2023
(Pranav Kumar)

Chief Engineer (Project-II)

Memo no. 172 /

dated 16/06/2023 /

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
16.6.2023

(Pranav Kumar)

Chief Engineer (Project-II)

Memo No. 172 /

dated 16/06/2023 /

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

Pranav Kumar
16.6.2023

(Pranav Kumar)

Chief Engineer (Project-II)



IS : 398 Part 2 : 1996 IS : 398 Part 5 : 1992 IS : 6003:2010 IS : 280 IS : 278 IS : 2141
 CML 5100164279 CML 5100164178 CML 5100174585 CML 5710023111 CML 5710023010 CML 5710035514



PRAGATI WIRES PRIVATE LIMITED

MANUFACTURER OF GALVANIZED WIRE, BARBED WIRE, STAY WIRE, P. C. WIRE, ACSR CORE WIRE
 CIN - U31300WB2007PTC121142

Project: RDSS DARBHANGA CIRCLE.
 Customer: NBPDC, PATNA
 Contractor: M/s J. S. PROJECT PVT. LTD., Ghaziabad.
 NOA No: 15 & 16 dated. 06.03.2023
 NIT No: 34/PR/NBPDC/2022
 Manufacturer: M/s PRAGATI WIRES PRIVATE LIMITED

Particulars	Details of 7/16 SWG for Guarding
1. Raw Material Suppliers	
(a) Steel Wires Rods	(a) SAIL ✓
(b) Zinc	(b) Hinustan Zinc Limited. ✓
(c) Complete G.I. Solid Wire	(c) Pragati Wires Pvt Ltd ✓
2. Name of Manufacturer	Pragati Wires Pvt Ltd ✓
3. Single Wire before Stranding :	
(a) Diameter in mm	1.60 mm ✓
(b) Tolerance in diameter in mm	(+/-2.5%) +0.04 -0.03
(c) Minimum breaking load in KN	-1.41 (minimum)
(D) Weight of Zinc Coating	-190 (minimum) 200g/m ² before stranding
(E) No of Dip Test	2 Nos X 1Min ✓
(F) Wrapping Test	Wire shall not break or split when wrapped for eight close turns around its own Diameter and on being subsequently unwrapped for seven turns
(G) Adhesion Test	The zinc coating Shall remain adherent to the steel wires, it shall not flake off nor crack to such extent that there is possibility of removing any zinc by rubbing with bare fingers when wound around a mandrel four times of wire diameter for ten complete turns.
I. Stay Stranded Wire:	
(a) Length of lay in mm	
(i) Minimum	57.6 mm ✓
(ii) Maximum	86.4 mm ✓
(b) Minimum Elongation in 600mm (%)	6% ✓
(c) Overall diameter of stranded wire in mm	4.8 (Nominal)
(d) Minimum breaking load (KN)	8.8 ✓
(e) Sectional area of stranded wire in mm ² .	14.08 (Nominal) ✓
COATING TEST :	
(a) Type of zinc coating	Hot Dip Heavy coated
(b) Weight of coating in (gm/m ²)	NBPDC 190.5 (Min) 190 (min) 9m/m ²
(c) Number of Dips	2 Nos X 1Min ✓
(D) Adhesion Test	The zinc coating Shall remain adherent to the steel wires, it shall not flake off nor crack to such extent that there is possibility of removing any zinc by rubbing with bare fingers when wound around a mandrel four times of wire diameter for ten complete turns
Tensile strength	700 N/mm ² (Min)
Weight per KM of G.I. Stay Wire	110.5 Kg/Km (Nominal)
Chemical Composition	
(a) Sulphur (%)	0.060 (Max) 0.05 (Action)
(b) Phosphorus (%)	0.060 (Max) 0.05
(a) Weight of each coil in kg	50-100 kg.
(b) Tolerance (%)	+/- 2.5%
Standards according to which the solid wires shall be manufactured and tested.	IS 2141:2000
Details of packing	IS 4826:1979
Details of Marking	As Per Technical Specification of NBPDC

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

Chief Engineer (Project-II) NBPDC

CHECKED



Registered Office : 54, Strand Road, Kolkata - 700 006, M : 9836063277, 9830173277, E-mail : pragatiwire@gmail.com
 Marking :- As mention in GTP of Barbed Wire



IS : 398 Part 2 : 1996 IS : 398 Part 5 : 1992 IS : 6003:2010 IS : 280 IS : 278 IS : 2141
 CML 5100164279 CML 5100164178 CML 5100174585 CML 5710023111 CML 5710023010 CML 5710035514



PRAGATI WIRES PRIVATE LIMITED

MANUFACTURER OF GALVANIZED WIRE, BARBED WIRE, STAY WIRE, P. C. WIRE, ACSR CORE WIRE
 CIN - U31300WB2007PTC121142

Project: RDSS DARBHANGA CIRCLE.
 Customer: NBPDCI, PATNA
 Contractor: M/s J. S. PROJECT PVT. LTD., Ghaziabad.
 NOA No: 15 & 16 dated. 06.03.2023
 NIT No: 34/PR/NBPDCI/2022
 Manufacturer: M/s PRAGATI WIRES PRIVATE LIMITED

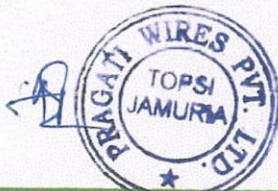
Particulars	Details of GI Stay Wire 7/10 SWG
(1) Raw Material Suppliers	
(a) Steel Wires Rods	(a) SAIL
(b) Zinc	(b) Hinustan Zinc Limited.
(c) Complete C.I. Solid Wire	(c) Pragati Wires Pvt Ltd
(2) Name of Manufacturer	Pragati Wires Pvt Ltd
(3) Single Wire before Stranding :	
(a) Diameter in mm	3.15 mm
(b) Tolerance in diameter in mm	(+/-2.5%)
(c) Minimum breaking load in KN	5.45 <i>5.46</i>
(d) Minimum tensile strength in N/mm ²	700
(4) Chemical Composition	
(a) Maximum % of Phosphorous	0.060%
(b) Maximum % of Sulphur	0.060%
(5) Stay Stranded Wire:	
(a) Length of lay in mm	
(i) Minimum	113.40
(ii) Maximum	170.10
(b) Minimum Elongation in 100mm (%)	6%
(c) Overall diameter of stranded wire in mm	9.45
(d) Minimum breaking load (KN)	34 <i>As per TS 36.26</i>
(e) Sectional area of stranded wire in mm ² .	54.57
(6) COATING TEST :	
(a) Type of zinc coating	Hot Dip Heavy coated
(b) Weight of coating in g/m ²	<i>Before stranding 250, 240 after stranding</i>
(c) Number of Dips	
(i) 1 Min	3 nos
7. (a) Weight of each coil in kg	80 100 kg.
8. Standards according to which the solid wires shall be manufactured and tested.	<i>IS:6594:2001</i> IS 2141:2000 IS 4020:1979
9. Details of packing	As Per Technical Specification of NBPDCI
10. Details of Marking	As Per Technical Specification of NBPDCI

Marking :- As mentioned in GTP of Barbed wire

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





IS : 398 Part 2 : 1996 IS : 398 Part 5 : 1992 IS : 6003:2010 IS : 280 IS : 278 IS : 2141
 CML 5100164279 CML 5100164178 CML 5100174585 CML 5710023111 CML 5710023010 CML 5710035514



PRAGATI WIRES PRIVATE LIMITED

MANUFACTURER OF GALVANIZED WIRE, BARBED WIRE, STAY WIRE, P. C. WIRE, ACSR CORE WIRE
 CIN - U31300WB2007PTC121142

Project: RDSS DARBHANGA CIRCLE.
 Customer: NBPDC, PATNA
 Contractor: M/s J. S. PROJECT PVT. LTD., Ghaziabad.
 NOA No: 15 & 16 dated. 06.03.2023
 NIT No: 34/PR/NBPDC/2022
 Manufacturer: M/s PRAGATI WIRES PRIVATE LIMITED

Particulars	Details of Galvanized Barbed Wire
1. Raw Material Supplier's	
(a) Steel Wire Rods	SAIL,
(b) zinc	Hindustan Zinc Limited
2. Name of Manufacturer/Principle Supplier	Pragati Wires Pvt.Ltd
3. Wire Rod	
Standard According to which the wire rod should conform	IS 7887 ✓
4. Chemical Composition of the Wire.	Chemical Composition of the wire shall be as per IS 7887 ✓
5. (a) Diameter in mm	2.50 ✓
(b) Tolerance of the diameter (in %)	+/- 2.5% ✓
6. (a) Tensile Strength of the wire in (N/mm²)	390-590
(b) Minimum Breaking Load of Complete Wire	3.7 ✓
(c) Zinc Coating in g/mm ² <i>g/m²</i>	230 (min) <i>230 (min)</i>
7. Weight of each coil in kg	25-45
8. Number of Dips	
(i) 1 min	2 ✓
(ii) 1/2 min	1 ✓
9. Standard according to which the wire shall be manufactured and tested.	IS 280:2006 IS 4826:1979 ✓ IS 7887:1992 ✓
10. Details of Packing	As Per Technical Specification of NBPDC
11. Details of Marking	As Per Technical Specification of NBPDC

12. Distance between two barbs

227 (75 ± 12 mm)

Marking :- Each coil shall be provided with a label fixed firmly on the inner part of the coil bearing the following information :-

CHECKED

[Signature]
 AEE(P-II) EEE(P-II) ESE(P-II)

- a) Manufacturer Name
- b) Lot No: & coil NO
- c) Size
- d) Grade



- e) mass
- f) Length
- g) ISI certification mark, if any

APPROVED

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

[Signature]



IS : 398 Part 2 : 1996 IS : 398 Part 5 : 1992 IS : 6003:2010 IS : 280 IS : 278 IS : 2141
 CML 5100164279 CML 5100164178 CML 5100174585 CML 5710023111 CML 5710023010 CML 5710035514



An ISO 9001 Company

PRAGATI WIRES PRIVATE LIMITED

MANUFACTURER OF GALVANIZED WIRE, BARBED WIRE, STAY WIRE, P. C. WIRE, ACSR CORE WIRE
 CIN - U31300WB2007PTC121142

Project: RDSS DARBHANGA CIRCLE.
 Customer: NBPDC, PATNA
 Contractor: M/s J. S.PROJECT PVT. LTD., Ghaziabad.
 NOA No: 15 & 16 dated. 06.03.2023
 NIT No: 32/PR/NBPDC/2022
 Manufacturer: M/s PRAGATI WIRES PRIVATE LIMITED

Particulars	Details of Galvanized Wire 8 SWG
1. Raw Material Supplier's	
(a) Steel Wire Rods	SAIL, ✓
(b) Zinc	Hindustan Zinc Limited ✓
2. Name of Manufacturer/Principle Supplier	Pragati Wires Pvt.Ltd ✓
3. Wire Rod	
a) Standard According to which the wire rod should conform	IS 7887 ✓
4. Chemical Composition of the Wire.	Chemical Composition of the wire shall be as per IS 7887
(a) Diameter in mm	4.00 ✓
(b) Tolerance of the diameter in mm(in %)	(± 2.5%) ✓ ± 0.05
(a) Tensile Strength of the wire in (N/mm ²)	
(i) SOFT	300-550 ✓
✓ (ii) HARD	550-900 ✓
(b) Zinc Coating in g/mm ²	280 280 (min) 275 (Min)
5. Weight of each coil in kg	50-100 ✓
6. Number of Dips	
(i) 1 min	3 ✓
(ii) 1/2 min	1 ✓
Standard according to which the wire shall be manufactured and tested.	IS 380:2000 ✓ IS 4826:1979 ✓ IS 7887:1992 ✓
D.Details of Packing	As Per Technical Specification of NBPDC
L.Details of Marking	As Per Technical Specification of NBPDC

2. Marking :- As mentioned in the GTP of Barbed Wire.

CHECKED

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)
 NBPDC

