



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: 529

[File No:-N-XIII/RDSS/VA/Muzaffarpur-3024/2023-

Dated: 07-06-2023

E-mail: cerdssnbpdc@gmail.com

From,

Shriram Singh
Chief Engineer, Project-I (Urban)

To,

M/s Ashoka Buildcon Ltd
S.No.-861, Ashoka House,
Ashoka Marg, Vadala, Nashik-422011
E-mail:-ajay.kankariya@ashokabuildcon.com

Sub:- **Regarding approval of GTP & Drawing of Various type of Insulators of make M/s UIC Udyog Ltd., Nadia, W.B. for Loss Reduction Component works under "Revamped Reforms-Based and Results-Linked Distribution Sector Scheme."**

Ref:- **(i) NOA No.-250 & 251 dated 06.03.2023**
(ii) Your letter no.-107 dated 25.05.2023

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	GI Stay Wire	M/s UIC Udyog Ltd., Industrial Growth Centre (Phase-III), Kalyani, Nadia, West Bengal-741235
2	GI Wire	
3	Barbed Wire	

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-(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.- 529

Dated- 07-06-2023

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, PanditSatwalekar Marg, Mumbai / **M/s NCC Ltd.**, NCC House, Survey no. 64, Madhapur, Hyderabad, 500081 for information and necessary action.

Encl:-As above

(Shriram Singh)

Chief Engineer, Project-I (Urban)

Memo No.- 529

Date- 07-06-2023

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

Encl:-As above

(Shriram Singh)

Chief Engineer, Project-I (Urban)



UIC UDYOG LIMITED

CIN : U27109WB1995PLC076114

Registered & Corporate Office : ADVENTZ INFINITY@5, BN Block 19th Floor - North Wing, Saltlake, Sector - V, Kolkata - 700091

112

CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDCCL)		
PROJECT	"Revamped Reforms-based and Results-linked, Distribution Sector Scheme" under Circle Muzaffarpur.		
LOI NO	Supply Contract - NOA No.250 dated 06.03.2023		
	Erection Contract - NOA No.251 dated 06.03.2023		
Contractor	Ashoka Buildcon Ltd, Nashik.(Maharashtra)		
GUARANTEED TECHNICAL PARTICULARS OF G.I. WIRE 4.00 MM (8 SWG)			
SL No	Description	UoM	Parameters
1	Size		4.00 MM (8 SWG)
2.	Maker's Name		
	a) Steel Wire Rod		SAIL / TISCO / RINL/Other secondary manufacturer/ Importer.
	b) Zinc		Hindustan Zinc Ltd/ Binani Industries Ltd./Importer.
	c) Galvanized Steel wire		UIC Udyog Ltd.
3.	Applicable Standard		IS:280/2006, IS:4826/1979 & IS:7887/1992
4.	Size of wire	mm	4.00
5.	Number of wire	nos	1
6.	Nominal Diameter of wire	mm	4.00
7.	Tolerance in wire diameter	mm	± 0.05
8.	Variety Hard/Soft		Hard
9.	Wrapping Test		Wire shall not break or split
10.	Tensile Strength of wire	N/mm ²	Minimum -550 Maximum -900
11.	Breaking load of wire	kN	Minimum -6.90 Maximum 11.30
12.	Galvanizing test		
a)	Weight of Zinc Coating of wire	gm/m ²	260 275
b)	Uniformity of Zinc coating (Nos /duration)		3 dips of 1 minute & 1 dip of 1/2 minute
13.	Type of Coating on wire		Heavy Coating
14.	Chemical Composition		
a)	Phosphorous		0.05% (max)
b)	Sulphur		0.05% (max)
15	Type of packing	CE (Project-1), Urban NBPDCCL	Wooden drum/ Coil

Checked
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EE(P-1)
EE(P-1)

16. Packing - The wire shall be supplied in 50-70 kg. coils, each coil having single continuous length. Each coil of wire shall be suitably bound and fastened compactly and shall be protected by suitable wrapping.

For UIC Udyog Limited
Authorized Signatory

Works :

- Industrial Growth Centre, (Phase III), Kalyani, Nadia, West Bengal - 741 235, Ph. : (033) 2582 0069 / 6332, Fax : (033) 2582 0070
- Station Road, Khanyan Hooghly, West Bengal - 712 157, Telefax : (03213) 272 276 / 347

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

- (a) Manufactures's Name or trademark,
- (b) Lot no. and coil no.
- (c) Size
- (d) Grade (Annealed or hard)
- (e) Mass
- (f) Length
- (g) ISI Certification mark. if any

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

APPROVED
subject to the condition that
you are not absolved to the
responsibility of correctness
of materials
CE (Project-1), Urban
NBPDCCL



UIC UDYOG LIMITED

CIN : U27109WB1995PLC076114

Registered & Corporate Office : ADVENTZ INFINITY@5, BN Block 19th Floor - North Wing, Saltlake, Sector - V, Kolkata - 700091

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CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDC)
PROJECT	"Revamped Reforms-based and Results-linked, Distribution Sector Scheme" under Circle Muzaffarpur.
LOI NO.	Supply Contract - NOA No.250 dated 06.03.2023
	Erection Contract - NOA No.251 dated 06.03.2023
Contractor	Ashoka Buildcon Ltd, Nashik.(Maharashtra)

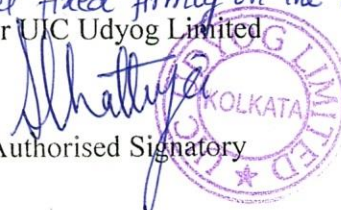
GUARANTEED TECHNICAL PARTICULARS OF GALVANISED BARBED WIRE 12 SWG X 12 SWG

Sl.No	Description	Parameters	
1	MANUFACTURER	UIC Udyog Limited, Kolkata	
2.	Size of Wore (mm)	Line Wire 2.50 mm \pm 0.08 mm Point Wire 2.50 mm \pm 0.08 mm	
3.	Tensile Strength of Line	390 to 590 N/mm ²	
4.	Minimum Breaking Load of completed Barbed	3.7 Kn	
5.	Weight of complete Barbed Wire (gms/mtr.) a) Minimum b) Maximum	136 gms/mtr. 155 gms/mtr. <i>Checked</i>	
6.	Distance between two Barbs	(75 +/- 12) MM	
7.	No. of lays between the barbs	2 to 7	
8.	Method of galvanizing	Hot dipped according to IS: 4826/1979 with medium coating <i>Heavily coated hard condition</i>	
9.	Weight of coating (minimum)	Line Wire: ²³⁰ 110 gm/M ² Point Wire: ²³⁰ 105 gm/M ² (Testing after barbing)	
10.	No. of dips the wire is able to withstand without Copper coating.	Subject to the condition that you are not absolved to the responsibility of correctness of materials <i>APPROVED</i> Testing after barbing CE (Project-1), Urban NBPDC	
	A) For Line Wire		2
	a) One minute		1
	b) Half minute		1
	B) For Point Wire	2	
	a) One minute	<i>NH 1</i>	
	b) Half minute		

11. Marking:- Each coil shall be provided with a label fixed firmly on the inner part of the coil bearing the following information - For UIC Udyog Limited

- (a) Manufacturer's name or trademark
- (b) Lot number & coil number
- (c) Size
- (d) Grade (Annealed or Hard)
- (e) Mass
- (f) length
- (g) ISI Certification mark, if any

Authorised Signatory



Works :

- Industrial Growth Centre, (Phase III), Kalyani, Nadia, West Bengal - 741 235, Ph. : (033) 2582 0069 / 6332, Fax : (033) 2582 0070
- Station Road, Khanyan Hooghly, West Bengal - 712 157, Telefax : (03213) 272 276 / 347



UIC UDYOG LIMITED

CIN : U27109WB1995PLC076114

Registered & Corporate Office : ADVENTZ INFINITY@5, BN Block 19th Floor - North Wing, Saltlake, Sector - V, Kolkata - 700091

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CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDC)		
PROJECT	"Revamped Reforms-based and Results-linked, Distribution Sector Scheme" under Circle Muzaffarpur.		
LOI NO.	Supply Contract - NOA No.250 dated 06.03.2023 Erection Contract - NOA No.251 dated 06.03.2023		
Contractor	Ashoka Buildcon Ltd, Nashik.(Maharashtra)		
GUARANTEED TECHNICAL PARTICULARS OF G.I. STAY WIRE 7/1.6 MM (7/16 SWG)			
SL No	Description	UoM	Parameters
1	Size		7/1.60 MM (7/16 SWG)
2	Maker's Name		
	a) Steel Wire Rod		SAIL / TISCO / RINL/Other secondary manufacturer/Importer.
	b) Zinc		Hindustan Zinc Ltd/ Binani Industries Ltd./Importer.
	c) Galvanized Steel stay strand		UIC Udyog Ltd.
3	Applicable Standard		IS:2141/2000, IS:4826/1979 & IS:6594/2001
4	Size of strand	mm	7/1.60
5	Number of wire in Strand	nos	7
6	Nominal Diameter of each wire	mm	1.6
7	Tolerance in wire diameter	mm	+ 0.04/ - 0.03
8	Nominal Overall Strand diameter	mm	4.8
9	Grade of material		Grade 4, tensile grade 700
10	Ductility Test (Wrapping Test)		Wire shall not break or split
11	Minimum Tensile Strength of each wire (before stranding)	N/mm ²	700
12	Minimum breaking load of each wire before	kN	1.41
13	Minimum Braking load of Strand	kN	8.8
14	Minimum Elongation of complete Strand (on 600 mm gauge length)	%	6
15	Galvanizing test		
a)	Weight of Zinc Coating of each wire		
i)	Before stranding	gm/m ²	190 200
ii)	After stranding	gm/m ²	180.5 190
b)	Uniformity of Zinc coating (Nos /duration)		
i)	Before stranding		2 dips of 1 minute
ii)	After stranding		Dip of one minutes and 1 dip of half minute 2 dips of 1 minute
16	Type of Coating on each wire		Heavy Coating

Checked

AEE(P-1) FEE(P-1) ESE(P-1)

APPROVED

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

CE (Project-1), Urban NBPDC



Works :

- Industrial Growth Centre, (Phase III), Kalyani, Nadia, West Bengal - 741 235, Ph. : (033) 2582 0069 / 6332, Fax : (033) 2582 0070
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UIC UDYOG LIMITED

CIN : U27109WB1995PLC076114

Registered & Corporate Office : ADVENTZ INFINITY@5, BN Block 19th Floor - North Wing, Saltlake, Sector - V, Kolkata - 700091

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17	Direction of Lay		RH
18	lay Ratio		12 to 18 times the strand diameter
19	Chemical Composition		
	a) Phosphorous b) Sulphur		0.06% (max) 0.05% (max) (as per Is 7887/1992) 0.06% (max) 0.05% (max)
20	Type of packing		Wooden drum/ Coil

21. Packing :- The wire shall be supplied in 75-100 kg coils. The packing should be done in accordance with the provision of IS: 6594.

For UIC Udyog Limited

Authorised Signatory

Shruti

22. Marking :- Each coil shall carry a metallic tag, securely attached to the inner part of the coil, bearing the following information -

- Manufacturer's name or trade mark
- Lot number & coil number
- Size
- Construction
- Tensile designation
- Lay
- Coating
- Length
- Mass
- ISI certification mark, if any

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

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

[Signature]
 CE (Project-1), Urban
 NBPDC

Works :

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UIC UDYOG LIMITED

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CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDCCL)		
PROJECT	"Revamped Reforms-based and Results-linked, Distribution Sector Scheme" under Circle Muzaffarpur.		
LOI NO.	Supply Contract - NOA No.250 dated 06.03.2023		
	Erection Contract - NOA No.251 dated 06.03.2023		
Contractor	Ashoka Buildcon Ltd, Nashik.(Maharashtra)		
GUARANTEED TECHNICAL PARTICULARS OF G.I. STAY WIRE 7/3.15 MM (7/10 SWG)			
SL No	Description	UoM	Parameters
1	Size		7/3.15 MM (7/10 SWG)
2.	Maker's Name		
	a) Steel Wire Rod		SAIL / TISCO / RINL/Other secondary manufacturer/ Importer.
	b) Zinc		Hindustan Zinc Ltd/ Binani Industries Ltd./Importer.
	c) Galvanized Steel stay strand		UIC Udyog Ltd.
3.	Applicable Standard		IS:2141/2000, IS:4826/1979 & IS:6594/2001
4.	Size of strand	mm	7/3.15
5.	Number of wire in Strand	nos	7
6.	Nominal Diameter of each wire	mm	3.15
7.	Tolerance in wire diameter	mm	+ 0.06/ - 0.03 (± 2.5%)
8.	Nominal Overall Strand diameter	mm	9.45
9.	Grade of material		Grade 4, tensile grade 700
10.	Ductility Test (Wrapping Test)		Wire shall not break or split
11.	Minimum Tensile Strength of each wire (before stranding)	N/mm ²	700
12.	Minimum breaking load of each	kN	5.46
13.	Minimum Braking load of Strand	kN	34.0 36.26 (as per Ts)
14.	Minimum Elongation of complete Strand (on 600 mm gauge length)	%	6
15.	Galvanizing test		Checked
a)	Weight of Zinc Coating of each wire		AEE(P-1) EEI(P-1) ESE(P-1)
i)	Before stranding	gm/m ²	240 250
ii)	After stranding	gm/m ²	228 240
b)	Uniformity of Zinc coating (Nos /duration)		
i)	Before stranding		APPROVED 3 dips of 1 minute
ii)	After stranding		Subject to the condition that you are not absolved to the responsibility of correctness of materials 3 dips of one minutes and 1 dip of half minute 3 dips for 1 minute
16.	Type of Coating on each wire		Heavy Coating
17.	Direction of Lay		RH

CE (Project-1), Urban
NBPDCCL



Works :

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CIN : U27109WB1995PLC076114

Registered & Corporate Office : ADVENTZ INFINITY@5, BN Block 19th Floor - North Wing,
Saltlake, Sector - V, Kolkata - 700091

18.	lay Ratio		12 to 18 times the strand diameter
19.	Chemical Composition a) Phosphorous b) Sulphur		0.06% (max) 0.05% (max) (as per IS 7887/1992) 0.06% (max) 0.05% (max)
20.	Type of packing		Wooden drum/ Coil

21. Packing — The wires shall be supplied in 75-100 kg coils as per IS: 6594

For UIC Udyog Limited

Authorised Signatory



22. Marking :- Each coil shall carry a metallic tag, securely attached to the inner part of the coil, bearing the following information —

- Manufacturer's name or trade mark.
- Lot number & coil number
- Size
- Construction
- Tensile designation
- Lay
- Coating
- Length
- mass
- ISI certification mark, if any

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

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

CE (Project-1). Urban
NRPDCL

Works :

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UIC UDYOG LIMITED

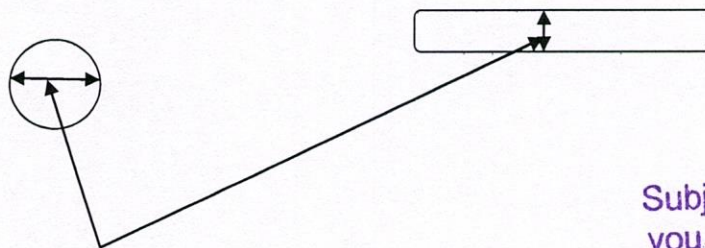
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Registered & Corporate Office : ADVENTZ INFINITY@5, BN Block 19th Floor - North Wing, Saltlake, Sector - V, Kolkata - 700091

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CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDCCL)
Name of Customer	Ashoka Buildcon Ltd, Nashik.(Maharashtra)
Manufacturer	UIC Udyog Limited
Item Name	G.I. WIRE 4.00 MM
Drg. No.	UUL/SBPDCL/ABL/001

DRAWING OF 4.00mm G.I. WIRE (Heavily coated)



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

[Signature]
CE (Project-1), Urban
NBPDCCL

3.15 mm ± 2.5%, (~~± 0.1mm~~) ± 0.05 mm

[Signature] **Checked**
[Signature]
AEE(P-1) EEE(P-1) ESE(P-1)



Works :

- Industrial Growth Centre, (Phase III), Kalyani, Naida, West Bengal - 741 235, Ph. : (033) 2582 0069 / 6332, Fax : (033) 2582 0070
- Station Road, Khanyan Hooghly, West Bengal - 712 157, Telefax : (03213) 272 276 / 347



UIC UDYOG LIMITED

CIN : U27109WB1995PLC076114

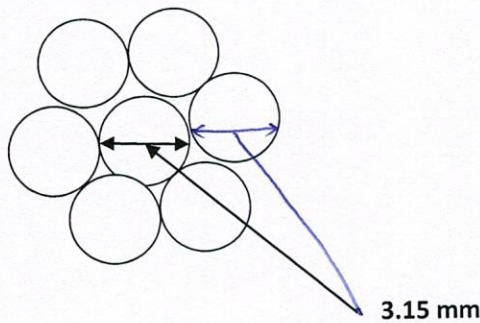
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Saltlake, Sector - V, Kolkata - 700091

4

CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDC)
Name of Customer	Ashoka Buildcon Ltd, Nashik.(Maharashtra)
Manufacturer	UIC Udyog Limited
Item Name	G.I. STAY WIRE 7/3.15 MM (7/10 SWG)
Drg. No.	UUL/SBPDCL/ABL/002

DRAWING OF G.I. STAY WIRE 7/3.15 MM (7/10 SWG)

(Heavily Coated)



7/3.15mm G.I. Stay Wire

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 AEE(P-1) EEE(P-1) ESEP-1

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

[Signature]
 CE (Project-1), Urbari
 NBPDC



Works :

- Industrial Growth Centre, (Phase III), Kalyani, Naida, West Bengal - 741 235, Ph. : (033) 2582 0069 / 6332, Fax : (033) 2582 0070
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UIC UDYOG LIMITED

CIN : U27109WB1995PLC076114

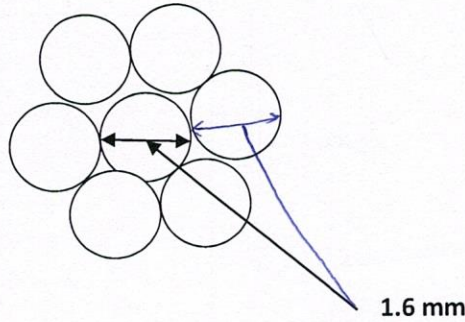
Registered & Corporate Office : ADVENTZ INFINITY@5, BN Block 19th Floor - North Wing, Saltlake, Sector - V, Kolkata - 700091

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CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDC)
Name of Customer	Ashoka Buildcon Ltd, Nashik.(Maharashtra)
Manufacturer	UIC Udyog Limited
Item Name	G.I. STAY WIRE 7/106 MM (7/16 SWG)
Drg. No.	UUL/SBPDCL/ABL/003

DRAWING OF G.I. STAY WIRE 7/1.6 MM (7/16 SWG)

(Heavily coated)



7/1.6 mm G.I. Stay Wire

APPROVED
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responsibility of correctness
of materials

CE (Project-1) Urban
NBPDC

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



Works :

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UIC UDYOG LIMITED

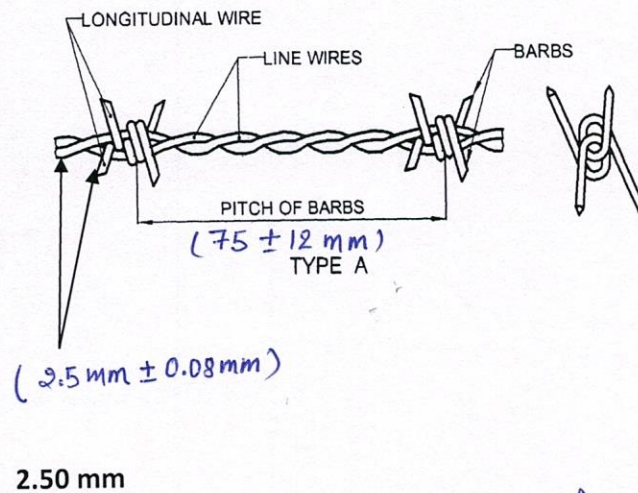
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CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD (NBPDC)
Name of Customer	Ashoka Buildcon Ltd, Nashik.(Maharashtra)
Manufacturer	UIC Udyog Limited
Item Name	G.I BARBED WIRE (2.50 X2.50 MM)
Drg. No.	UUL/SBPDCL/ABL/004

DRAWING OF 2.50mm x 2.50mm G.I. BARBED WIRE (Heavily Coated)



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

APPROVED
Subject to the condition that
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responsibility of correctness
of materials

CE (Project-1) Mrbar.
UIC



Works :

- Industrial Growth Centre, (Phase III), Kalyani, Naida, West Bengal - 741 235, Ph. : (033) 2582 0069 / 6332, Fax : (033) 2582 0070
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