



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: 995

[File No:-N-XIII/RDSS/V.A/Chapra Circle-3106/2023-

Dated: 17-08-23

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 GI Earthing Spike, LT Stay Set, Galvanized MS Channels, Galvanized MS Angles, Galvanized Flat of make M/s Mohta Transmission Pvt. Ltd., Howrah 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.-006 dated 03.05.2023 & Letter No.-155 dated 11.08.2023

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 & Address
1	GI Earthing Spike	M/s Mohta Transmission Pvt. Ltd., Office Address:- Suite#106, Swaika Centre, 4A Pollock Street, Kolkata-700001 Factory Address:- Kantalia, P.O.-Makardah, Dist.-Howrah-711409
2	LT Stay Set	
3	Galvanized MS Channels	
4	Galvanized MS Angles	
5	Galvanized Flat	

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)

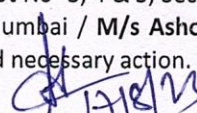
Chief Engineer, Project-I (Urban)

Memo No.- 995

Dated- 17-08-23

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.- 995

Date- 17-08-23



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 G.I EARTH SPIKE (20 X 2500 MM)

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. Vidyut Bhawan, Bailey Road, Patna -800 021
CONTRACTOR	M/s. NCC LIMITED – Hyderabad NCC
LOA NO.	244/N-XIII/P-I(U)/Tender (RDSS)-3050/2022 DT. 06-03-2023
MANUFACTURER 	MOHTA TRANSMISSION PVT. LTD. 4A, POLLOCK STREET, SUITE # 106 (1ST FLOOR), KOLKATA - 700 001
TITLE	G.I EARTH SPIKE (20 X 2500 MM)
DRAWING NO.	MTPL/NCC/NBPDCL-RDSS/ES

S.N.	Particulars	G.I Earth Spike
1.	Maker's Name Place of Manufacture	M/s. Mohta Transmission Pvt. Ltd. Vill: Kantalia, P.O. Makardah, Howrah-711409
2.	i) Standard Specification to which G.I. Earthing Rod will conform. ii) Galvanization will conform. iii) Dimension will conform.	Technical Specification of REC & NBPDCL Specification As per IS:2633 & IS:4759 – Hot Dip Galvanized As per Drawing No. MTPL/NCC/NBPDCL-RDSS/ES
3.	Details of Accessories	a) Earth Rod 20 mm Dia. welded with 60X6 mm Clamp with 18 Dia hole. <i>two no.</i> b) 16 X 40 mm Bolt <i>X2</i> c) 16 mm Nut <i>X2</i> d) 16 mm Spring Washer <i>X2</i>
4.	Material For – a) Welded Earth Rod b) 16 X 40 mm Bolt c) 16 mm Nut d) 16 mm Spring Washer	Mild Steel as per IS:2062 Mild Steel Mild Steel Spring Steel
5.	Weight per Unit	6.680 Kg. (Approx.)
6.	Tolerance	½ % on the length of Earth Rod, 2.5 % on other dimensions & any positive tolerance acceptable

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

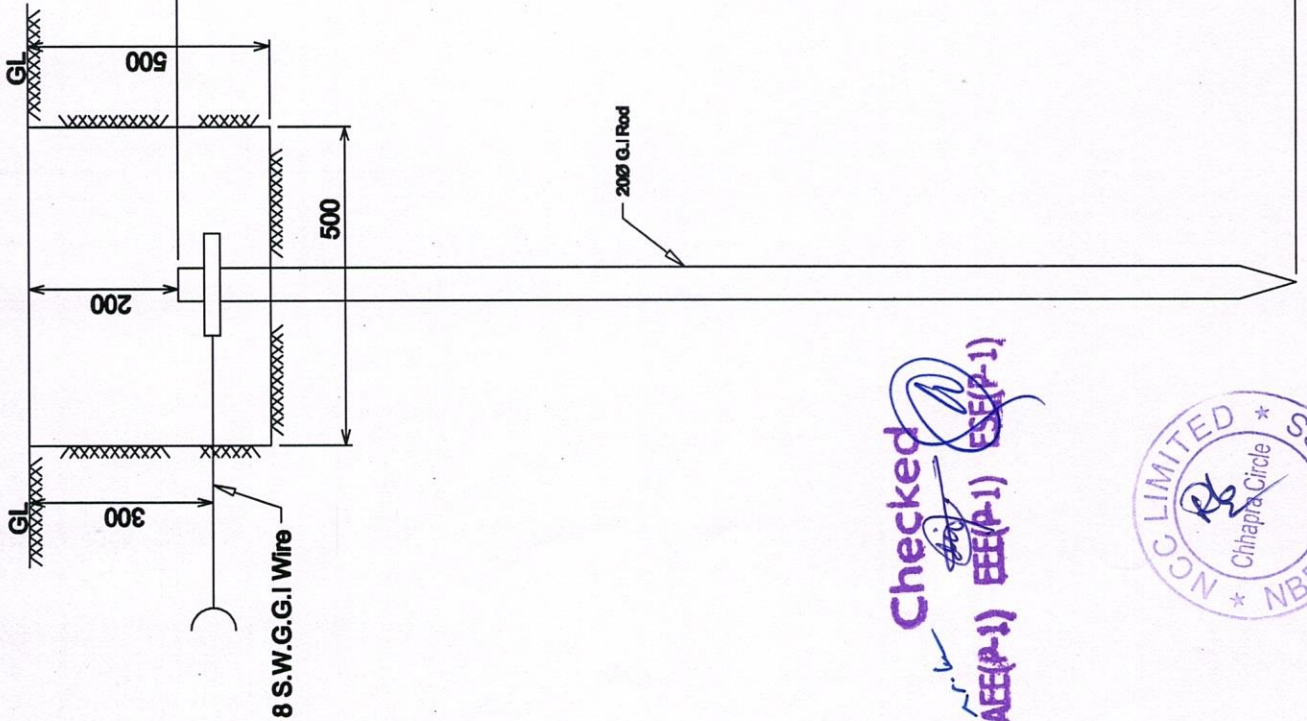
CE (Project-1), Urban
NBPDCL



OFFICE :
SUITE# 106, SWAIKA CENTRE
4A, POLLOCK STREET, KOLKATA = 700 001
PH.: 4601 4866 / 4005 2866
FAX : 2235 9784
E-MAIL : mtpl.office@yahoo.com
gsmohta123@gmail.com

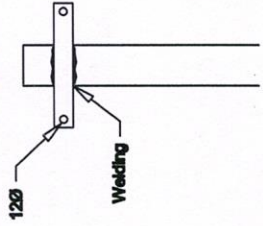


FACTORY :
VILLAGE : KANTALIA
P.O.: MAKARDAH
DIST.: HOWRAH - 711 409
WEST BENGAL
PHONE : 9830984288



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

CE (Project-17) NBPDCCL



Checked
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BILL OF MATERIALS

ERE CODE	DESCRIPTION	SECTION	LENGTH (In mm.)	QTY (In Nos)	WL/Mtr Kg./Mtr.	Total Wt. (In Kg.)
1	Earth Spike Rod	Dia 20	2500	1	2.500	6.250
2	Clamp for Earth Spike	50x6 40x3	190	1	0.900	0.171
3	Bolt & Nut	M12	30	1	0.058	0.058
4	Spring Washer (3.5THK)	M12		1	0.004	0.004
TOTAL						6.489

- NOTE :-**
1. ALL DIMENSIONS ARE IN mm
 2. EARTH TERMINAL SHOULD BE MADE OF G.I STRIP 40x3 WITH 1 NO 120 STUD
 3. MANUFACTURING TOLERANCE
 UPTO 50mm- ± 5%
 51 to 100mm- ± 4%
 101 to 300mm- ± 3%
 ABOVE 300mm- ± 2%
 4. CLAMP IS TO BE WELDED TO SPIKE
 5. THE WHOLE ASSEMBLY IS TO BE HOT DIP GALVANISED (IS 2629 & 4759)
 6. ALL MS PARTS SHALL CONFIRM TO IS 2062
 7. WEIGHTS MENTIONED IS FOR PACKING AND FORWARDING PURPOSE ONLY

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-(U)/Tender (RDSS)-3050/2022 Dt.- 06-03-2023
MANUFACTURER	MOHTA TRANSMISSION PVT. LTD. 4A, POLLOCK STREET, SUITE # 106 (1ST FLOOR), KOLKATA - 700 001
ITEM DESCRIPTION	EARTHING SPIKE
DRW. NO :	MITP / NCC / NBPDCCL-RDSS / EB
CHECKED BY	S.Dey
DRAWN BY	Aditya Bar
REV:	
DATE:	
SHEET NO.	7
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GUARANTEED TECHNICAL PARTICULARS OF GI STAY SET FOR LT LINE 16 MM WITH TWO TURN BUCKLES (ELBOW)

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. Vidyut Bhawan, Bailey Road, Patna -800 021
CONTRACTOR	M/s. NCC LIMITED – Hyderabad NCC
LOA NO.	244/N-XIII/P-I(U)/Tender (RDSS)-3050/2022 DT. 06-03-2023
MANUFACTURER	MOHTA TRANSMISSION PVT. LTD. 4A, POLLOCK STREET, SUITE # 106 (1ST FLOOR), KOLKATA - 700 001
TITLE	G.I 11 KV/L.T STAY SET WITH TWO TURN BUCKLES (16 X 1800 MM)
DRAWING NO.	MTPL/NCC/NBPDCL-RDSS/LTS-2

S.N.	Particulars	G.I 11 KV/ L.T. Stay Set
1.	Maker's Name Place of Manufacture	M/s. Mohta Transmission Pvt. Ltd. Vill: Kantalia, P.O. Makardah, Howrah-711409
2.	i) Standard Specification to which Stay Set will conform. ii) Galvanization will conform. iii) Welding will conform. iv) Threading will conform. iii) Dimension will conform.	Technical Specification of REC-NBPDCL Specification As per IS:2633 & IS:4759 – Hot Dip Galvanized As per IS:823/1964 As per IS:4218 As per Drawing No. MTPL/NCC/NBPDCL-RDSS/LTS-2
3.	Details of Accessories	a) GI Anchor Rod 16 X 1800 mm with Nut & Square Washer b) GI Eye Bolt 16 X 450 mm with 2 Nuts c) GI Bow 16mm welded with 50X50X6 mm Angle <i>-180 mm long</i> d) GI Plate 200X200X6 mm e) GI Thimble Strip 1.5 mm thick HDG of size 75x22x40 mm
4.	Material For – a) Anchor Rod 16 mm b) Eye Bolt c) Bow d) Plate 200X200X6 mm e) Thimble	Mild Steel as per IS:2062 Mild Steel as per IS:2062 Mild Steel HDG Mild Steel HDG Mild Steel
5.	Minimum Failing Load / Ultimate Strength (Kgs)	3100 Kgs
6.	Weight per Unit	10.300 Kgs (Approx.)
7.	Tolerance	½ % on the length of Stay Rod, 5 % on other dimensions & any positive tolerance acceptable
8.	Marking	Trademark – MEU
9.	Engraving	RDSS/NBPDCL/Size of stay set 16 mm Dia.

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

CE (Project-1), Urban NBPDCL



FACTORY :
VILLAGE : KANTALIA
P.O.: MAKARDAH
DIST.: HOWRAH - 711 409
WEST BENGAL
PHONE : 9830984288



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

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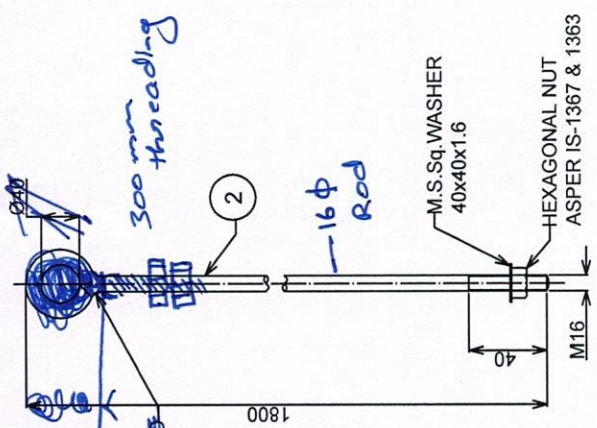
BILL OF MATERIAL

SL. NO.	DESCRIPTION	MATERIAL	QTY.
1.	TURN BUCKLE		
a	BOW	M.S. H.D.G.	2
b	MS ANGLE (50x50x6)	M.S. H.D.G.	1
C	M 16 EYE BOLT	M.S. H.D.G.	1
d	M 16 NUT	M.S. H.D.G.	2
2	ANCHOR ROD		
a	ANCHOR ROD(Ø16x1800mm)	M.S. H.D.G.	1
b.	M 16 NUT	M.S. H.D.G.	1
3	STAY PLATE 200x200x6	M.S. H.D.G.	1
4	THIMBLE	M.S. H.D.G.	2

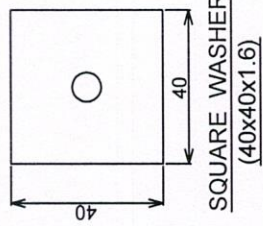
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NOTE :-

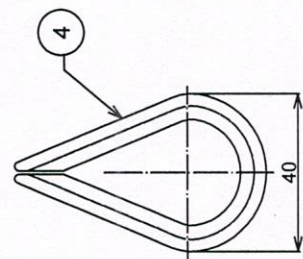
1. MATERIAL : STEE C16 (200x200x6)
2. FINISH : HOT DIP GALVANISED AS PER IS: 2633 & 16:4759
3. THREAD : CUT THREAD
4. THREAD : 5 THREAD
5. GENERAL TOLERANCE ±5% UNLESS OTHERWISE SPECIFIED



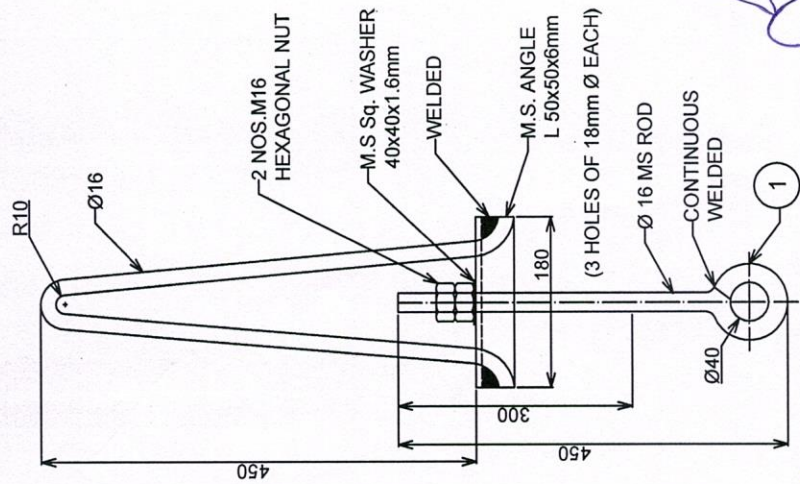
STAY / ANCHOR ROD



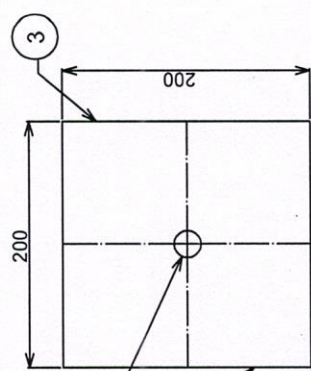
SQUARE WASHER (40x40x1.6)



STAY THIMBLE 75x22x40



TURN BUCKLE



ANCHOR STAY PLATE



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SCHEME	Revised Reform-Based and Resilient-Linked, Distribution Sector Scheme (RDSS) - Bihar
PROJECT	Development of Distribution Infrastructure at Chhapra Electric Supply Circle (Sara, Sirna and Gopalganj) of Bihar State On Turnkey Basis.
CUSTOMER	North Bihar Power Distribution Co. Ltd.
CONTRACTOR	M/A. NCC LIMITED - Hyderabad
LOA NO.	244/N-XIII/F-(D)/Tender (RDSS)-3959/2022 DT. 06-03-2023
MANUFACTURER	MOHTA TRANSMISSION PVT. LTD.
ITEM DESCRIPTION	4A, POLLOCK STREET, SUITE # 106 (1ST FLOOR), KOLKATA - 700 001
DRW. NO :	GILT STAY SET WITH TWO TURN BUCKLES
Checked By	INT/PL/CC/NBPDDL-RDSS/LTS-2
S. Day	
Checked By	Rev.
DATE:	
SHEET NO.	

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GUARANTEED TECHNICAL PARTICULARS (GTP) OF HOT DIP GALVANIZED STEEL
 (Angle, Channel & Flat of Various Sections)

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. Vidyut Bhawan, Bailey Road, Patna -800 021
CONTRACTOR	M/s. NCC LIMITED – Hyderabad NCC
LOA NO.	244/N-XIII/P-I(U)/Tender (RDSS)-3050/2022 DT. 06-03-2023
MANUFACTURER	 MOHTA TRANSMISSION PVT. LTD. 4A, POLLOCK STREET, SUITE # 106 (1ST FLOOR), KOLKATA - 700 001
TITLE	HOT DIP GALVANIZED STEEL OF VARIOUS SECTIONS

S. No.	Parameters	Particulars		
		MS Angle (ISA)	MS Channel (ISMC)	MS Flat
1	Standard Specification to which materials shall confirm	65X65X5 mm, 65X65X6 mm 50X50X6 mm 75X75X6 mm	75X40X4.8/5 mm, 75x40x6 mm 100X50X6 mm 125X65X6 mm	50X6 mm, 50X8 mm, 50X10 mm 75X8 mm, 75X10 mm, 90X6 mm 25X3 mm, 25X4 mm, 25X6 mm 30X3 mm, 65X6 mm
2	Material Specification	As per IS:2062/2011, Grade E-250, Quality-A, IS - 808		
3	Tensile Strength (Minimum)	410 N/mm ²	410 N/mm ²	410 N/mm ²
4	Yield Stress (For thickness / diameter)			
	(i) Less than 20 mm	250 N/mm ²	250 N/mm ²	250 N/mm ²
	(ii) Between 20 to 40 mm	240 N/mm ²	240 N/mm ²	240 N/mm ²
	(iii) More than 40 mm	230 N/mm ²	230 N/mm ²	230 N/mm ²
5	Elongation % (Min.) at Gauge Length	23%	23%	23%
6	Bend Test (Internal Dia)	Min-2 t	Min-2 t	Min-2 t
7	Mass of Zinc Coating (IS:6745/72), IS:4759/1996, Other Relevant Tests As per IS:2633 (1972), IS:2633 (1964), IS:2629/1985	610 g/m ²	610 g/m ²	610 g/m ²
8	Chemical Composition	As per IS:2062/2011, Grade E-250, Quality-A		
	(i) C%	0.23%	0.23%	0.23%
	(ii) Mn%	1.50%	1.50%	1.50%
	(iii) Si%	0.40%	0.40%	0.40%
	(iv) S%	0.05% 0.045 (max)	0.05% 0.045 (max)	0.05% 0.045 (max)
	(v) P%	0.05% 0.045 (max)	0.05% 0.045 (max)	0.05% 0.045 (max)
	(vi) CE%	0.42%	0.42%	0.42%
9	Length in Meters	As per Drawings/Client Specf.	As per Drawings/Client Specf.	As per Drawings/Client Specf.
10	Dimensions of Cross Section	Within Tolerance Limit	Within Tolerance Limit	Within Tolerance Limit

APPROVED

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CE (Project-1), Urban NBPDC



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

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