



NORTH BIHAR POWER DISTRIBUTION CO. LTD.

[Office of Chief Engineer, Project-I/Urban]
(Regd. Office: Vidyt Bhawan, Bailey Road, Patna)
CIN No: U40109BR2012SGC018920

Letter No: 760
[File No:-N-XIII/RDSS/GTP & Drawing/Motihari Circle-3107/2023-

Dated: 10-7-23 E-mail: cerdssnbpdccl@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/ s.shah@vtlrewa.com/ 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 Hindustan Concrete, Hazaribagh 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/39 dated 10.07.2023**

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 Hindustan Concrete, Marhand Katkam Sandi,
2	9 Mtr. 300 Kg PSC Pole	Hazaribagh, Jharkhand-825301

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.- 760 Dated- 10/7/23

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.- 760 Date- 10/7/23

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

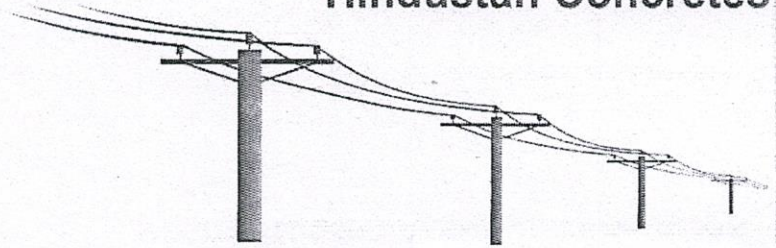
Encl:-As above

(Shriram Singh)

Chief Engineer, Project-I (Urban)



Hindustan Concretes



Manufacturer of 8 and 9 mtr PSC Poles and Base Plates

Admin

Jaiswal Colony, Thana Chowk
Ramgerh Cantt, Jharkhand 829122 (India)
Email : hindustanconcretes@gmail.com
Website : www.hindustanconcretes.com
Phone : +91 - 9999415151, 9199307777

Works

Marhand, Post - Kalkamsandi,
Dist. Hazaribagh - 825301, Jharkhand

Guaranteed Technical Particulars of 9 Mtr 300KG PSC Pole

Sl. No.	Description	Unit	Particulars
1	Name of the Manufacturer & Address		Hindustan Concretes, Marhand Katkam sandi Hazaribagh Jharkhand-825301
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 (To be marked)
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 ²	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
ii)	Grade		53 Grade
iii)	Type		M 42
iv)	Concrete mix strength	Kg/cm ²	210 kg/cm ² at time of transfer of prestress(min)
v)	Concrete Quantity	Cubic	0.243m ³
vi)	Concrete covering to Wires	Mm	20

Note - Top 3 feet of pole to be painted with SS5 - shade 5+1 in all four faces.

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

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

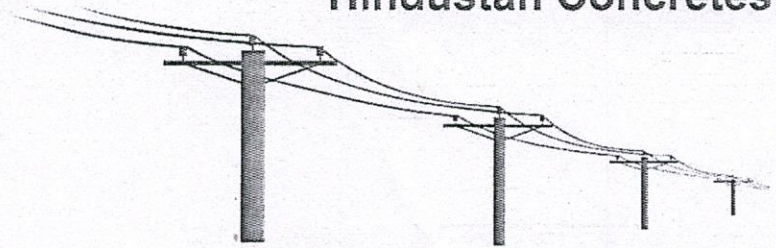
CE (Project-1), Urban
NBPDC



6



Hindustan Concretes



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Works

Marhand, Post - Katkamsandi,
Dist. Hazaribagh - 825301, Jharkhand

Manufacturer of 8 and 9 mtr PSC Poles and Base Plates

11	GI earthing wire	SWG	6
12	Length of GI Earth Wire	Mtr	7.8
13	Weight of PSC Pole	Kg	607
14	18 MM holes At a Distance of from top	Mm	100, 200, 1000
15	Engraving Marking	Developed under RDSS: NBPDCI, Makers Sr No. and mark, Manufacturer's Name, Month/Year of manufacturer.	
16	Standard confirming to		
	Pole	IS: 1678/2000	
	Cement	IS: 8041 IS 269-1976	
	Aggregates	IS: 383/1970	
	Pre stressing wire	IS: 6003/1983	
	Concrete Mix	IS: 456/2000	
17	Tolerance Dimensions	a) +/- 5mm on overall length of pole	
		+/- 5mm on sectional dimension	
		0.5% on the uprightness of pole	
Leftover parameter if any shall be as per relevant IS and Technical specifications of RDSS.			

For Hindustan Concretes



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

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S. NO.	DESCRIPTION	QUANTITY
1	NO OF TENSIONED WIRES (4mm)	Articles 20 No
3	CONCRETE GRADE	M-42
4	OVERALL LENGTH SUPPORT	9.0MTR
5	PLANTING DEPTH	1500MM
6	DA OF PRESSURING WIRE	4MM
7	CLEAR COVER	22MM
8	FACTOR OF SAFETY	2.5
9	WORKING LOAD	300 KPS
10	ULTIMATE TENSILE STRENGTH OF PRESSURING WIRE	17500KG/CM ²
11	G.I. Earth wire 6 SWG	1 No

LEGEND:

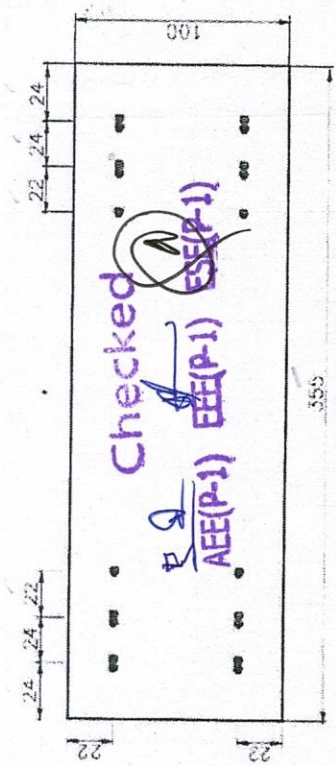
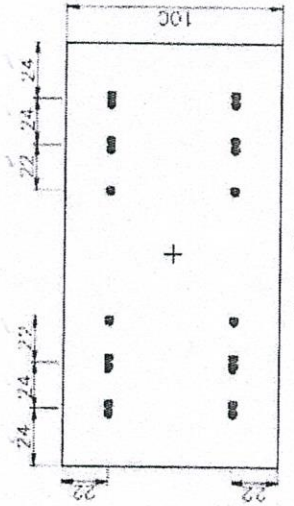
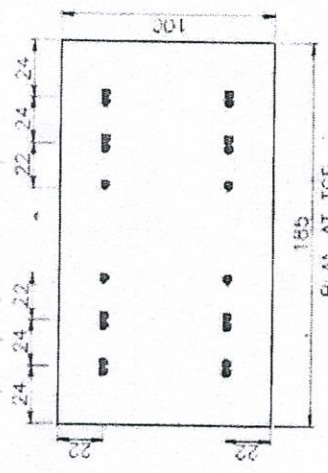
● DENOTES TENSIONED WIRES

+ DENOTES POSSIBLE POSITION OF EARTH WIRE

NOTES:

- 1) ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE MENTIONED.
- 2) POLE WITH ANY TWO EDGES ROUNDED SHALL ALSO BE ACCEPTABLE.
- 3) TOLERANCE FOR UPRIGHTNESS SHALL BE 0.5%.

note - Top 3 feet of pole to be painted with SS - shade 541 in all four faces



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CE (Project-1), Urban
NBPDC

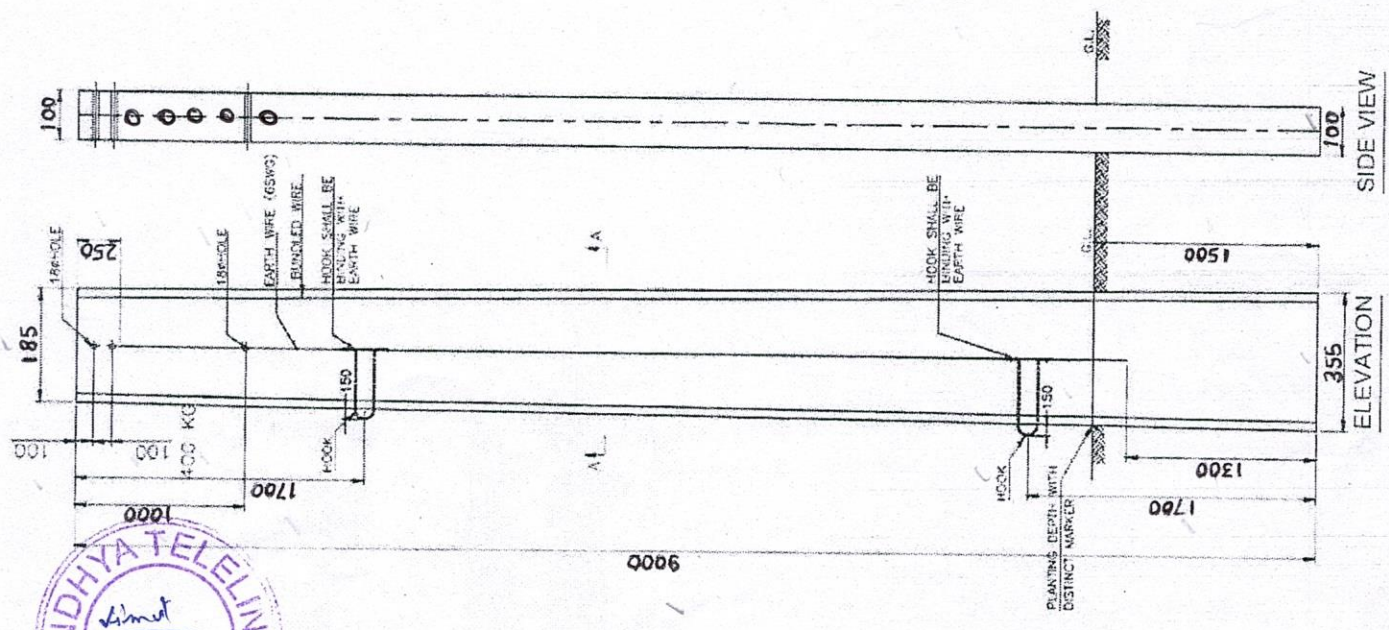
CONTRACTOR VINDHYA TELELINKS LIMITED

PROJECT Revamped Reforms-Based And Results-Linked Distribution Sector Scheme
CLIENT NORTH BIHAR POWER DISTRIBUTION CO. LTD

1. 246 dated 6th March 2023 for Supply against NIT No.28/PR/NBPDC/2022
2. 17 dated 6th March 2023 for Supply against NIT No.32/PR/NBPDC/2022

MATERIAL DESCRIPTION 9 METER 300 KG PSC POLE

SUPPLIER HINDUSTAN CONCRETES



REV NO.	DATE	DESCRIPTION	APPROVED BY	CHECKED	DRAWN	MISALI
01	30.09.22	FOR APPROVAL				



Hindustan Concretes

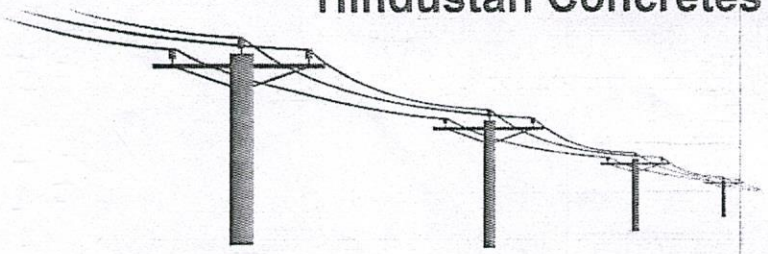
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Works

Marhand, Post - Kalkamsandi,
Dist. Hazaribagh - 825301, Jharkhand

Hindustan Concretes



Manufacturer of 8 and 9 mtr PSC Poles and Base Plates

Guaranteed Technical Particulars of 8 Mtr 200KG PSC Pole

Sl. No	Description	Unit	Particulars
1	Name of the Manufacturer & Adress		Hindustan Concretes ,Marhand Katkam sandi Hazaribagh Jharkhand-825301
2	Type of Pole		Pre Stress Concrete
3	Factor of Safety		2.5
4	Overall Length of Pole(Meter)	MTR	8
5	Working Load	Kg	200
6	Point of Application of Load		600 mm below from top
7	Depth of Plantation (Black Coloured)	Mm	1500 (To be marked)
Overall Dimensions			
i)	Bottom Depth	mm	290
ii)	top Depth	mm	145
	Breadth	mm	90
9	Reinforcement Details		
i)	Diameter of Pre Stressing Wire	mm	4
ii)	No. of Tensioned Wires	Nos.	12
iii)	No. of Untensioned Wire	Nos.	2
iv)	Length of each Untensioned wire	Mtr.	3.95
v)	Ultimate Tensile Strength	Kg/cm ²	17500
vi)	Steel Quantity	Kg/pole	10.25
10	Concrete Detail (M-42 Grade)		
i)	Cement Type		Ordinary Portland Cement
		Kg/cm ²	210 kg/cm ² after 72 Hrs (min)
ii)	Concrete mix strength	Kg/cm ²	420 kg/cm ² after 28days (min)
iii)	Concrete Quantity	Cubic	0.157 m ³
iv)	Concrete covering to Wires	Mm	20



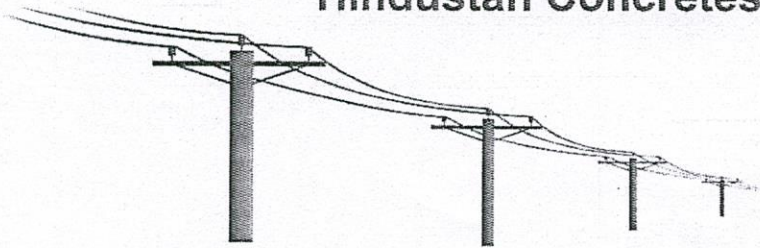
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AEE(P-1) EEE(P-1) ESE(P-1)

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of materials

CE (Project-1), Urban
NRPDCL



Hindustan Concretes



Manufacturer of 8 and 9 mtr PSC Poles and Base Plates

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Works

Marhand, Post - Katkamsandi,
 Dist. Hazaribagh - 825301, Jharkhand

11	GI earthing wire	SWG	8
12	Length of GI Earth Wire	Mtr	7.25
13	Weight of PSC Pole	Kg	380
14	18 MM holes At a Distance of from top	Mm	100, 200 in elevation view
			75, 375, 675, 975, 1275 in side view
15	Engraving Marking	Developed under RDSS/NBPDCL, Makers Sr No., Manufacturer's Name, Month/Year of Manufacture	
16		Standard confirming to	
	Pole		IS: 1678/2000
	Cement		IS:8041
	Aggregates		IS: 269-1976
	Pre stressing wire		IS: 383/1970
	Concrete Mix		IS:6003/1983
	Tolerance Dimensions		IS:456/2000
			+/- 15mm on overall length of pole
			+/- 5mm on sectional dimension
			0.5% on the uprightness of pole

Note :- Left over Parameters if any shall be as per relevant IS and Technical specification of RDSS

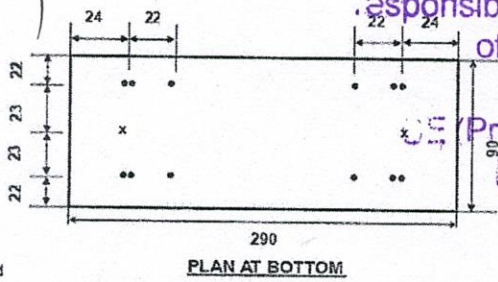
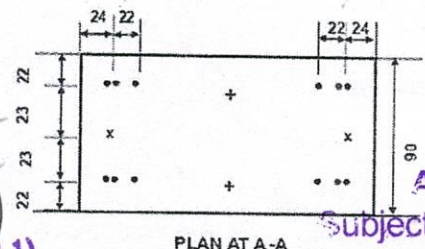
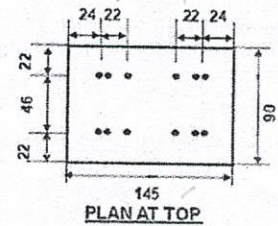
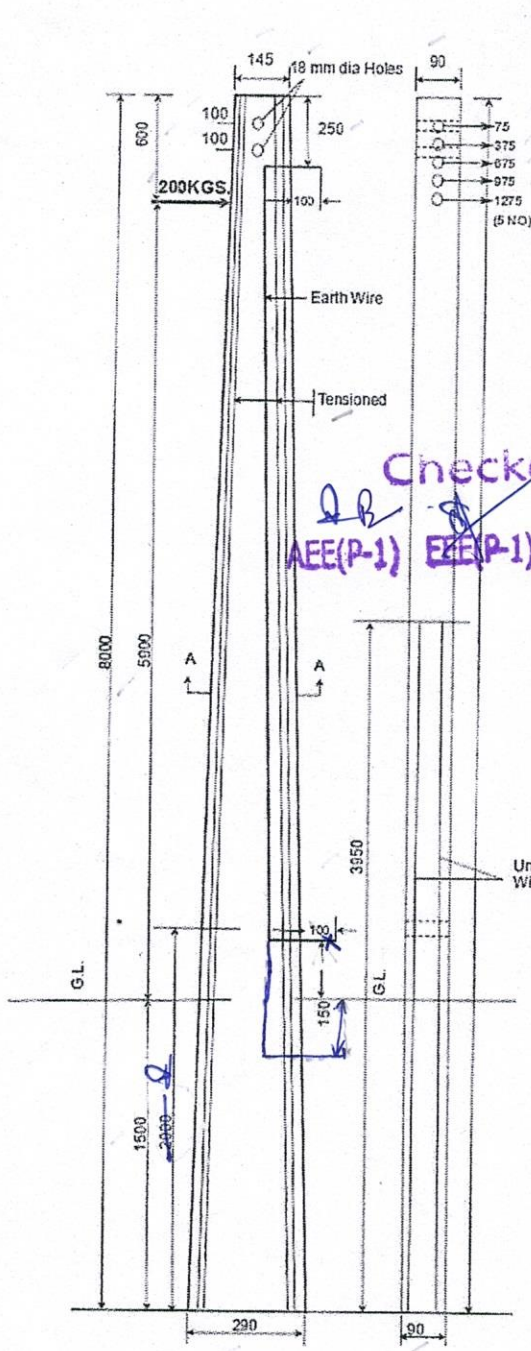
Note - Top 3 feet of pole to be painted with IS 5- shade 541 in all four faces.
 For Hindustan Concretes



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

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 GE (Project-1), Urbah
 NBPDCL

Drawing and GTP of 8 Mtrs Long PSC Pole



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

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Project-1), Urban NBPDC

* Denotes Tensioned Wire
 x Denotes Untensioned Wire
 + Possible Position of Earth Wire

TECHNICAL GUARANTEE PARTICULARS OF 8.0 M/200kg WORKING LOAD SECTION:

A). TOP	145 X 90 mm
B). BOTTOM	290 X 90 mm
QUANTITY OF CONCRETE	0.162m ³ 0.157 m ³
CONCRETE GRADE	M-420 M-42
OVERALL LENGTH SUPPORT	8.0 M
PLANTING DEPTH	1.5 M
DIA METER OF PRESTRESSING WIRE	4 mm
NUMBER OF TENSIONED WIRES	12 NOS
NUMBER OF UNTENSIONED WIRES	2 NOS
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS	420 kg/cm ²
CLEAR COVER	18 mm 20mm
FACTOR OF SAFETY	2.5
WORKING LOAD	200 kg
ULTIMATE LOAD	500 kg
WEIGHT OF POLE (THEORETICAL)	380 kg
LOAD APPLICATION AT A POINT FROM THE TOP	600 mm
ULTIMATE TENSION STRENGTH FOR 4MM WIRE	17500kg/cm ²
ALL DIMENSIONS ARE IN mm	NOT TO SCALE

Note - Top 3 feet of pole to be painted with BS-541 in all four faces.

	CONTRACTOR	VINDHYA TELELINKS LIMITED
	PROJECT	Revamped Reforms-Based And Results-Linked Distribution Sector Scheme
	CLIENT	NORTH BIHAR POWER DISTRIBUTION CO. LTD
	NOA NO.	1. 246 dated 6th March 2023 for Supply against NIT No.28/PR/NBPDC/2022 2. 17 dated 6th March 2023 for Supply against NIT No.32/PR/NBPDC/2022
	MATERIAL DESCRIPTION	8 MTR 200 KG PSC POLE
	SUPPLIER	M/S HINDUSTAN CONCRETES

OFFICE : HINDUSTAN CONCRETES
 JAISWAL COLONY, THANA CHOWK,
 RAMGARH CANTT - JHARKHAND

WORKS : MARHAND, POST - KATKAMSANDI
 DIST - HAZARIBAGH- JHARKHAND

TITLE : REINFORCEMENT DETAILS OF
 8M/200KG

