



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

क्षेत्रीय कार्यालय (उत्तराखण्ड) - मकान नं.-58/37, बलबीर रोड़, देहरादून- 248001

Regional Office (Uttarakhand) - House No.-58/37, Balbir Road, Dehradun- 248 001

Phone : 0135-2669752 & 62 E-mail : routtarakhand@nhai.org Website : www.nhai.gov.in

50063/NHAI/RO-UKD/2014/17824

Sept, 13, 2022

Invitation of Public Comments

Sub:-Four laning of Gagalheri- Saharanpur- Yamunanagar (UP/ Haryana Border) section of NH-73 from Km.33.000 (Design Chainage Km.35.400) to Km.71.640 (Design Chainage Km.86.855) in the state of Uttar Pradesh under NHDP-IV on HAM (Package-II)

S.H:- Application of M/s DFCCIL for crossing of 132KV D/C Tapir TSS(IR)-Talheri TSS (DFCCIL) overhead transmission line over NH at Ch.52+100 of NH-73 (New NH-344) (Near Nandi Firojpur & Belda Jundesar, District-Saharanpur) in the State of Uttar Pradesh-reg.

It is to inform all concerned that the Project Manager (Electrical), DFCCIL Meerut has submitted the subject proposal to PIU-Roorkee for grant of permission towards the works of crossing of 132KV D/C Tapir TSS(IR)-Talheri TSS (DFCCIL) overhead transmission line over NH at Ch.52+100 of NH-73 (New NH-344) (Near Nandi Firojpur & Belda Jundesar, District-Saharanpur) in the State of Uttar Pradesh being constructed by POWERGRID.

2. From the submitted proposal as recommended by PIU vide letters dt. 06.04.2022 & 15.06.2022, following have been noted as per duly signed checklist & site plan (copy enclosed)

(i)	National Highway No	NH-344 (Old NH-73)
(ii)	Name of Crossing	132KV D/C Tapir TSS(IR)-Talheri TSS transmission line
(iii)	Crossing Chainage	Ch.52+100 in b/w Ch.52 & ch.53 of NH-73 (New NH-344) near Village-Malhipur & Nandi Firozpur)
(iv)	Position of towers	Outside the NH RoW
(v)	Crossing Span	230m
(vi)	Clearance over the road level	15.463m
(vii)	Angle of road crossing	90 degree

3. As per the Guidelines issued by Ministry vide OM No. RW/NH-33044/29/2015&R(R) dated 22.11.2016, the application is to put out in the public domain for 30 days for seeking public comments/objections (on the ground of public inconvenience, safety and general public interest).

In view of the above, comments/objections of the public on the above application are invited to the below mentioned address, which should reach by this office within 30days from the date of uploading beyond which no comments shall be entertained.

The Regional Officer,
National Highways Authority of India
(Ministry of Road, Transport &Highways)
Regional Office-Uttarakhand
House No.-58/37, Balbir Road, Dehradun-248001

Yours faithfully,

(C.K Sinha)

CGM (T) cum RO-Uttarakhand

Encl: As above.

Copy to: 1) Web Admin-NHAI HQ, New Delhi: - with request for uploading on the NHAI website.

2) The Technical Director, NIC, Transport Bhawan, New Delhi: - with request for uploading on the Ministry's Website.

3) PD, PIU-Roorkee- for information & suitable necessary action.

PoweGrid Corporation Of India Limited

132 KV D/C JAGADHARI TSS TO TAPRI TSS TRANSMISSION LINE

National Highway - Crossing Details New Bypass NH-344

Sl.No	Details	Crossing Details
1	Loc No & Type Of Tower	AP-63 (DD+9) , AP-64 (DD+9)
2	Left Side Mile Stone	53
3	Right Side Mile Stone	54
4	Left Side Station (To The Line In Forward Direction)	PANCHKULA
5	Right Side Station (To The Line In Forward Direction)	ROORKEE
6	Crossing Angle	86°
7	Clearance Of Road Top to Bottom Conductor	15.02 M
8	National Highway	NH-344 (ROORKEE- PANCHKULA BY PASS)
9	Right Side Village Name	MALHIPUR
10	Left Side Village name	NANDIROJPUR

ललित कुमार
उप प्रबंधक / Dy. Manager
Power Grid Corporation of India Limited
400 / 2nd floor उपकेंद्र, पुराना, रुड़की-247667
400-230, KV Substation, Puhana, Roorkee-247667

Raghav Tripathi
Dy. Manager (Tech.)
National Highway Authority of India
(Ministry of Road Transport & Highways)
PIU-Roorkee

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
पी.ओ.आर. रूड़की / PIU, Roorkee.

उप परियोजना प्रबंधक (विद्युत)
DFCCIL/डी.एफ.सी.पी.आई.एल.
Meerut/मिर्जापुर

CHECK- LIST

Guidelines for processing the proposal for laying of Utility line in the land along National Highways vested with NHAI/PWD/BRO.

General Information

1. Name and Address of the Applicant/Agency : Dedicated Freight Corridor Corporation of India Limited
(A Govt. Of India (Ministry of Railway) Enterprises)
THIRD FLOOR, SHRI BALAJI COMPLEX VED YASपुरी
(OPPOSITE SUBHARTI UNIVERSITY) BYPASS NH-58
Meerut (U.P.) 250002
2. National Highway No. : NH 344 Mile stone 53-54
3. State : Uttar Pradesh
4. Location : Between Malhipur- Nandi Firozpur
5. Chainage in km : 53 & 54
6. Length in m : 194 Mtrs [from AP63 (X= 747301.00 , Y=3308449.00) to
AP03 (X=747288.00, Y=3304639.00)]
7. Width of available ROW in both sides : 13.5 Mtrs both sides from centre of proposed line
8. Side of NH : 53 - LHS from Crossing &
(Left or right side of NH towards increasing : 54 - RHS from Crossing
Chainage/Km direction)
9. Name of Highway Authority of NHAI/PWD/BRO NHAI
10. Highway Administration address PIU-Roorkee
H.No. 446/1 Jadugar Road, 37 Civil Lines, Roorkee 247667
R.O. - Dehradun

ललित कुमार / Lalit Kumar


उप प्रबन्धक / Dy. Manager

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
400 / 220 केवी सप्लाय, पुहाना, रुड़की-247667
400/220, KV Substation, Puhana, Roorkee-247667


परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
पी०आई०यू० रुड़की / PIU, Roorkee.

Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
DFCCIL/सी०एफ०सी०सी०आई०एल०
Meerut/मेरठ

Sl. No	Item	Measurement. Observations as per site conditions	MORTH Norms	Whether complying with MORTH Norms
1	Details of already laid utility service, if any	Not applicable	Enclosed	Yes
2	Whether up gradation of the stretch in near future is proposed or not	No		Yes
	(a) If yes, provision of utility adversely affects the plan of up-gradation		Not affect plan of up-gradation	Yes
3	Laying of the utility service along the National Highways.			
3.1	Location of proposed utility service along the stretch	Not applicable	Utility Duct/ beyond the toe line of the embankment and drains, and close to the extreme edge of the ROW.	Yes
3.2	Depth of top of utility service from ground level	Not applicable	0.6 meter	Yes
3.3	Mechanism for crossing water channel	Not applicable	Through utility duct (if provision exists) or beneath the bed of water channel	Yes
3.4	Whether ROW is restricted in this stretch?	Not applicable		Yes
3.4.1	If yes, whether provision of land acquisition is required to lay utility	Not applicable		Yes
	(a) If yes, whether undertaking for land acquisition along with relevant L.A. details has been furnished	Not applicable		Yes
3.4.2	Width of concrete duct, if utility services are proposed to be laid in concrete ducts	Not applicable	Not less than one lane	Yes
4	Laying of utility services across the NH			
4.1	Whether Existing drainage structures is allowed to carry the utility lines.	Not applicable	Not to be allowed	Yes
4.2	Proposed crossing of utility service	Perpendicular to NH	Perpendicular to NH	Yes
4.3	Type of casing pipe/conduit carrying the utility line.	Not applicable	Steel, cast iron, or reinforced cement concrete and have adequate strength	Yes
4.4	Whether ends of the casing/conduit	Not applicable	Sealed	Yes


 ललित कुमार / Lalit Kumar
 उप प्रबंधक / Dy. Manager
 पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
 Power Grid Corporation of India Ltd.
 400 / 220 केवीओ उपकेंद्र, पुहना, रुड़की-2
 400/220, KV Substation, Puhana, Roorkee Dist.

Raghav Tripathi
 Dy. Manager (Tech.)
 National Highways Authority of India
 Road Transport & Highways


 Dy. Project Manager (Electrical)
 उप परियोजना प्रबंधक (विद्युत)
 DFCCIL/डी०एफ०सी०सी०आई०एल०
 Meerut/मेरठ


	pipe are sealed from the outside			
4.5	Length of casing/conduit pipe crossing NH.	Not applicable	Extend from drain to drain in cuts and toe to toe of slope in the fills	Yes
4.6	Depth of top of the casing/conduit pipe.	Not applicable	At least 1.2 m below the top of subgrade	Yes
4.7	Crossing method in case of CC pavement.	Not applicable	Only boring method (HDD)	Yes
4.8	Horizontal and vertical clearances in case utilities are allowed overhead,	Profile Enclosed (Minimum Vertical clearance 15.463 meter)	In accordance with IRC codes.	Yes
5	Document / Drawings enclosed with the proposal			
5.1	Cross-Section showing the size of trench for open trenching method	Not applicable	Enclosed, if applicable	Yes
	(a) Trench width	Not applicable	More than 30 cm and less than 60 Cm wider than the outer diameter of the utility pipe	Yes
	(b) Filling of trench	Not applicable	As per Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016	Yes
	(c) location of trench	Not applicable	extreme edge of the ROW	Yes
5.2	Cross section showing the size of pit and location of conduit for HDD method	Not applicable	Not applicable in case of Overhead transmission line.	Yes
5.3	Strip plan/ Route plan showing utility line, chainage, width of ROW, distance of proposed utility from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed. As per annexure.....	Enclosed	Yes
5.4	Plan and profile drawing of stretch showing cross section of road at 20m distance along with ROW and proposed utility	Enclosed. As per annexure.....	Enclosed	Yes
6	Methodology for laying of utilityline.	Enclosed. As per annexure.....	Enclosed	Yes
7	Draft License Agreement is as per	YES	Enclosed	Yes


ललित कुमार / Lalit Kumar
 उप प्रबंधक / Dy. Manager
 पावर डिपार्टमेंट / Power Dept.
 400/220 KV Substation, Puhani, Roorkee


Raghav Tripathi
 Dy. Manager (Tech.)
 National Highways Authority of India
 (Ministry of Road Transport & Highways)
 PIU-Roorkee

Dy. Project Manager (Electrical)
 राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 400/220 KV स्टेशन / PIU, Roorkee.

	Ministry guidelines vide letter No. RW/NH-34044/29/2015/S&R (R) dated 22.11.2016 and signed by two witnesses			
8	License fees in Favor of NHAI		As per Ministry vide circular no. RE/NH-33044/29/2015/S&(R) dated 22.11.2016	
9	Whether Bank Guarantee has been obtained		As per Ministry vide circular no. RE/NH-33044/29/2015/S&(R) dated 22.11.2016	
	(a) If yes, whether Confirmation of BG has been obtained as per MoRTH/NHAI guidelines			
10	Affidavit / Undertaking from the Applicant for			
10.1	Undertaking for not to damage other existing utility, if damaged then to pay the losses to either to MoRTH/NHAI or to the concerned agency.	YES	Enclosed	Yes
10.2	Undertaking for renewal of Bank Guarantees and when asked by NHAI/ MoRTH	Yes	Enclosed	Yes
10.3	Undertaking for confirming all standard condition of MoRTH/NHAI guidelines.	Yes	Enclosed	Yes
10.4	Undertaking for shifting of utility as and when asked by MoRTH/ NHAI within a month at their own cost.	YES	Enclosed	Yes
10.5	Undertaking for indemnity against all damages and claims.	YES	Enclosed	Yes
10.6	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES	Enclosed	Yes
10.7	Undertaking that If any claim is raised by the Concessionaire/contractor then the same has to be paid by the applicant	YES	Enclosed	Yes
10.8	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as directorate of Electricity, Chief controller of Explosives,	Yes	Enclosed	No


ललित कुमार / Lalit Kumar
 उप प्रबंधक / Dy. Manager
 पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
 Power Grid Corporation of India Limited
 400/220 KV Substation, Puhani, Roorkee-261007
 400/220, KV Substation, Puhani, Roorkee-261007


Raghuvar Tripathi
 Dy. Manager (Tech.)
 National Highways Authority of India
 (Ministry of Road Transport & Highways)
 PIB-Roorkee


 Project Director
 राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 400/220 KV रुड़की / PIB, Roorkee.

Dy. Project Manager (Electrical)
 DFCCIL/डी०एफ०सी०सी०आई०एल०

	Petroleum and Explosive Safety Organization, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable, before applying to Highway Administration			
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The Right of the Way (ROW) of the National Highway available at the proposed location from the center line of divided carriageway is m (from center of ROW to edge of ROW towards proposed utility)

The above particulars along with the drawings and documents have been verified and certified as correct as per prevailing site conditions.

[Name Designation and signature of the authorized representative of applicant]

ललित कुमार / Lalit Kumar
उप प्रबंधक / Dy. Manager
पावर प्रिज लिमिटेड ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
400 / 220 KV Substation, पुहाना, रुड़की-247667
400/220, KV Substation, Puhana, Roorkee-247667

[Name Designation and signature of concerned field authority of NHAI/PWD/BRO]

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
आई०यू० रुड़की / PIU, Roorkee.

Raghav Tripathi
Dy. Manager (Tech.)
National Highways Authority of India
(Ministry of Road Transport & Highways)
PIU-Roorkee

11/6/2020
Dy. Project Manager (Electrical)
उप परियोजना प्रबन्धक (विद्युत)
DFCCIL/डी०एफ०सी०सी०आई०एल०
Meerut/मेरठ

CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of **132 KV D/C Jagadhari - Tapri Line** and confirm that the all standard conditions issued vide Ministry circular No: RW/NH-33044/29/2015/S&(R) dated 22.11.2016 has been followed.
2. It is certified that any other location of utility line would be extremely difficult and unreasonable costly and installation of utility line within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc.
3. I will ensure supervision of the work of laying of utility and ensure that the defects in road portion after laying of utility are corrected.
4. I will notify/forfeit the BG for claims for damages done/disruption in working, if any.
5. I will ensure that proposed permission in entered the register of records.
6. The record of previous approval, if any has been considered and copy of same is enclosed with the proposal.



**[Name Designation and
signature of concerned field
authority of NHAI/PWD/BRO]**

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
पी०आई०यू० रुड़की / PIU, Roorkee.

SKETCH FOR CROSSING AP 63/0 TO 64/0 PROPOSED TRANSMISSION LINE



NSA/ISS/PRODUCTION

2

Raghav Tripathi
Dy. Manager (Tech.)
National Highways Authority of India
(Ministry of Road Transport & Highways)
PIU-Roorkee

officer $\frac{1}{2}$ mile from

उप प्रबंधक / Dy. Manager
पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited
400 / 220 केवीओ उपकेंद्र, पुराना, रूस्की-247667
Dindoli Substation, Purlana, Roorkee-247667

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
पी.आई.ए.यू. रुड़की / P.U., Roorkee

Dy. Project Manager (Electrical)
३५ अक्टूबर १९८०
DFO, D.D.

NATIONAL HIGHWAY 344

132 KV D/C JAGADHARI TAPRI TRANSMISSION LINE

Bhagwati Dhaba

63/0

AP-64

Saharanpur Bypass Badgaon Road

Dy. Pr...

(Electrical)

DFCO

N

200 ft

i Dhaba

1

2

pur Bypass Badgaon Road

path

Technologies

**Dedicated Freight Corridor Corporation of India
POWER GRID CORPORATION OF INDIA LIMITED
132KV D/C JAGADHARI TSS (DFCC) - TAPRI TSS (RAILWAYS)**

TOWER SCHEDULE

TOWER SCHEDULE																													
Sl. No.	Loc. No.	Type of Tower	Angle of Deviation	Span Length (m)	Section Length (m)	Average Span	Cumulative change (m)	Reduced Level (m)	Sum of Adjacent Span (m)	Weight Span Hot (m)			Weight Span Cold (m)			UTM/UPS		Crossing Details	Village	Remark									
										Left	Right	Total	Left	Right	Total	Easting	Northing												
1	AP.62/0	DD+3	3 42° 02' 19" LT	198	198	198	0	98.628	198	254.5	162.01	28.35	190.36	166.13	-16.38	149.75	747147	3308326	Cart Track, 11KV Line	Nandi Firozpur									
2	AP.63/0	DD+9	9 41° 50' 36" LT	194	194	194	198	100.342	194	196	169.65	116.87	286.53	214.38	129.45	343.83	747301	3308449	National Highway (Ambala Bypass)	Nandi Firozpur									
3	AP.64/0	DD+9	9 58° 35' 57" RT	229	229	229	392	98.216	229	211.5	77.13	165.48	242.60	64.55	197.74	262.29	747278	3308641	Cart Track, Popular Garden, Mango Garden	Nandi Firozpur									
4	AP.65/0	DB+0	0 11° 12' 38" RT				621	100.779		270.5	63.52	120.20	183.73	31.26	97.54	128.80	747457	3308782											
NS INFRA PROJECTS PVT. LTD.										POWER GRID CORPORATION OF INDIA LIMITED										NATIONAL HIGHWAY AUTHORITY OF INDIA									
NS INFRA PROJECTS PVT. LTD.										POWER GRID CORPORATION OF INDIA LIMITED										NATIONAL HIGHWAY AUTHORITY OF INDIA									
<div>NS INFRA PROJECTS PVT. LTD. SURVEYED BY: [Signature]</div> <div>POWER GRID CORPORATION OF INDIA LIMITED CHECKED BY: [Signature]</div> <div>RECOMMENDED BY: [Signature]</div> <div>RECOMMENDED BY: [Signature]</div>																													
<div>NS INFRA PROJECTS PVT. LTD. SUBMITTED BY: [Signature]</div> <div>POWER GRID CORPORATION OF INDIA LIMITED CHECKED BY: [Signature]</div> <div>RECOMMENDED BY: [Signature]</div> <div>RECOMMENDED BY: [Signature]</div>																													

CHECKED BY

ललित कुमार / Lalit Kumar

उप प्रबंधक / Dy. Manager

पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Grid Corporation of India Limited

400 / 220 केवी उपकरण, पुहना, रुड़की-247667
400/220, KV Substation, Puhana, Roorkee-247667

RECOMMENDED BY

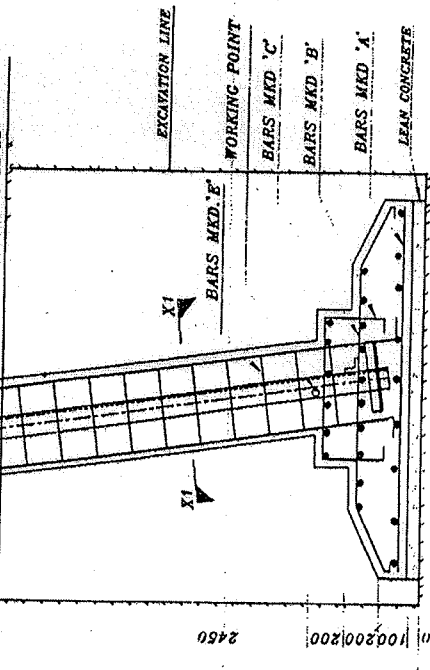
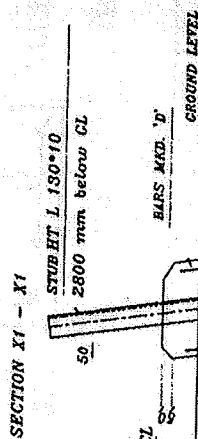
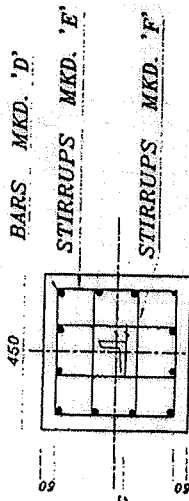
APPROVED BY

APPROVED BY

परियोजना निदेशक / Project Director
भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India
सी.आर.आई.एच.ओ. रुड़की / PIU, Roorkee.

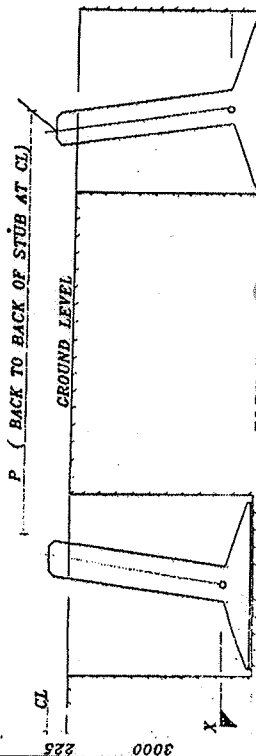
रघुविर त्रिपाठी
Dy. Manager (Tech.)
National Highways Authority of India
(Ministry of Road Transport & Highways)
PIU-Roorkee

डि. प्रोजेक्ट मैनेजर (Electrical)
उप प्रबंधक (विद्युत)
DFCCIL
वि.प्र.ओ.रू.



1280
3140
3540

150
150



ELEVATION

3540
3840

3540
3840

3540
3840

Power Grid Corporation of India Limited
247667

BAR BENDING SCHEDULE FOR FOUNDATION

BAR TYPE	SKETCH	BAR DIA. (mm)	LENGTH (mm)	NOS./LEG	UNIT WEIGHT (kg/m)	WEIGHT PER LEG (kg.)	WEIGHT PER TOWER (kg.)
A		12	3440	44	0.888	134.408	537.632
B		12	2144	14	0.888	26.654	106.616
C		12	3664	26	0.888	84.594	338.376
D		20	3350	12	2.466	99.133	396.532
E		6	1550	11	0.222	3.785	15.140
F		6	1210	22	0.222	5.903	23.634
TOTAL WEIGHT (kgs) =						1417.930	

POWERGRID, Corporate Centre
(Engg.-TL) Gurgaon

12 DEC 2012

CONTROLLED

QUANTITIES / TOWER
EXCAVATION = 176.95 m³
CONCRETE (1:1.5:3) = 17.43 m³
CONCRETE (1:3:6) = 2.51 m³
REINFORCEMENT = 1417.93 kgs

NOTES:

- DRAWING NOT TO SCALE
- ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE STATED
- REINFORCED BAR USED F₄₅₀ CONFORMING TO IS 1786-1985
- MIX PROPERTIES CONFORMING TO IS 456-2000
- CONCRETE MIX USED GRADE M 20 (NOMINAL MIX 1:1.5:3).
- LEAN CONCRETE MIX GRADE M10 (NOMINAL MIX 1:3:6).
- STIRRUPS AND BARS ARE TO BE ADJUSTED AT SITE WHENEVER NECESSARY TO CLEAR STUB AND CLEAT
- CLEAR COVER TO THE MAIN REINFORCEMENT BARS SHALL BE 50 MM UNLESS OTHERWISE SPECIFIED
- ALL 6mm BARS ARE MS BARS.

THE FOUNDATION HAS BEEN DESIGNED FOR THE FOLLOWING PARAMETERS:

TYPE OF SOIL : WET
UNIT WEIGHT : 1440 / 340 Kg/Cu.M
BEARING CAPACITY : 13675 kg/m²
ANGLE OF REPOSE 30 / 15 Degrees
WATER TABLE : 1.5 TO 3 M FROM CL



POWER GRID CORPORATION
OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

PROJECT:	JSEB CONSULTANCY (132 KV D/C TL)
TITLE:	CONSTRUCTION DRC. OF FOUNDATION
TOWER TYPE :	DD-3/6/9
FOUNDATION TYPE :	WET (3/6/9 m EXTN)
WZ-4 :	Conductor: ACSR Panther
SCALE :	N.T.S.
DRAWING NO.:	CC-ENG-CL 14241.PPC-251.10



WDA303/A304

Project Manager (Electrical)

Power Grid Corporation of India Limited

247667