



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 रोड, 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/2014/17823

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 Jagadhari-Tapri line at Ch.53+500 (Near Village Malhipur & Nandi Firozpur) on NH-73 (New NH-344) 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 Jagadhari-Tapri transmission line over National Highway at Ch.53+500 of NH-73 (New NH-344) 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 Jagadhari-Tapri transmission line
(iii)	Crossing Chainage	Ch.53+500 in b/w Ch.53 & ch.54 of NH-344 (Old NH-73) near Village-Malhipur & Nandi Firozpur)
(iv)	Position of towers	Outside the NH RoW
(v)	Crossing Span	194m
(vi)	Clearance over the road level	15.02m
(vii)	Angle of road crossing	86 degree

3. As per the Guidelines issued by Ministry vide OM No. RW/NH-33044/29/2015S&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.

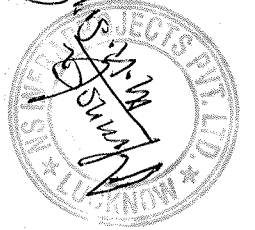
3) PD, PIU-Roorkee- for information & suitable necessary action.

Power Grid Corporation Of India Limited

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

National Highway - 344 (ROORKEE-PANCHKULA)

Sl.No	Details	Crossing Details
1	Loc No & Type Of Tower	AP-2 (DD+9) , AP-3 (DD+9)
2	Chanage No.	52+150
3	Crossing Angle	90°
4	Clearance Of Road Top to Bottom Conductor	15.463M
5	Left Side Station (To The Line In Forward Direction)	Roorkee
6	Right Side Station (To The Line In Forward Direction)	Panchkula
7	National Highway	NH- 344 (Roorkee - Panchkula)
8	Right Side Village Name	Nandi Firojpur
9	Left Side Village name	Belda Junedar



Dy. Project Manager (Electrical)
 उत्तरांचल प्रदेश (विद्युत)
 DECCIL/Meerut
 Mr. Virendra Kumar Sharma
 Project Manager/Electrical
 परिचालन प्रबंधक / विद्युत
 DECCIL/Meerut
 जी.एम.सी.आई.एल. / मेरठ

Lalit Kumar
 उप प्रबंधक / Dy. Manager
 उत्तरांचल प्रदेश (विद्युत)
 DECCIL/Meerut
 Mr. Lalit Kumar
 Project Manager/Electrical
 परिचालन प्रबंधक / विद्युत
 DECCIL/Meerut
 जी.एम.सी.आई.एल. / मेरठ


Virendra Kumar Sharma
 जी.एम.सी.आई.एल. / मेरठ
 Project Manager/Electrical
 परिचालन प्रबंधक / विद्युत
 DECCIL/Meerut
 जी.एम.सी.आई.एल. / मेरठ


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)
Railway Colony
Ambala Cant
Haryana- 134003
2. National Highway No. : NH 344 Delhi - Dehradun (CH. No. -)
3. State : Uttar Pradesh
4. Location : Between Nandi Firojpur and Belda Junedar
5. Chainage No. :
6. Length in m : 200 Mtrs [from AP 2/0 (X= 748555.00, Y=3308977.00) to AP 3/0 (X=748637.00, Y=3308824.00)]
7. Width of available ROW in both sides : 13.5 Mtrs both sides from centre of proposed line
8. Side of NH :
(Left or right side of NH towards increasing 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 लिन कॉर्पोरेशन ऑफ इंडिया लिमिटेड
Power Line Corporation of India Limited
400 / 2/0, KV Substation, Puhana, रुड़की-247667
400/2/0, KV Substation, Puhana, Roorkee-247667


(Virendra Kumar Sharma)
वीरेन्द्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०सी०आई०एल० / मेरठ


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


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


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

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

Dy. Project Manager (Electrical)

उप परियोजना प्रबन्धक (विद्युत)

DFCCIL/डी०एफ०सी०सी०आइ०यू०

Meerut/मेरठ

Rachay Tripathi

Project Manager (Tech.)

National Highways Authority of India

(Ministry of Road Transport & Highways)

PIU-Roorkee

(Virendra Kumar Sharma)

वीरेंद्र कुमार शर्मा

Project Manager/Electrical

परियोजना प्रबन्धक / विद्युत

DFCCIL/Meerut

डी०एफ०सी०सी०आइ०यू०/मेरठ


परियोजना निदेशक / Project Director

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण


National Highways Authority of India


पी०आई०यू० रूड़की / PIU, Roorkee.

	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 utility line.	Enclosed. As per annexure.....	Enclosed	Yes
7	Draft License Agreement is as per	YES	Enclosed	Yes


Dy. Project Manager (Electrical)
 उप परियोजना प्रबन्धक (विद्युत)
 DFCCIL/डी.सी.एल. रोल्स
 Meerut

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


Virendra Kumar Sharma
 वीरेन्द्र कुमार शर्मा
 Project Manager/Electrical
 परियोजना प्रबन्धक / विद्युत
 DFCCIL/Meerut
 रोल्स / मेरठ


परियोजना निदेशक / Project Director
 भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
 National Highways Authority of India
 राष्ट्रीय राजमार्ग प्रबन्धक / P.W.D. 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

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

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

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

(Virendra Kumar Sharma)
वीरेंद्र कुमार शर्मा
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डी०एफ०सी०सी०आई०एल० / मेरठ

	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]

विरिन्द्र कुमार शर्मा
Project Manager/Electrical
परियोजना प्रबन्धक / विद्युत
DFCCIL/Meerut
डी०एफ०सी०सी०आई०एल० / मेरठ

[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.

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

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 Tapri TSS (IR) – Talheri TSS (DFCCIL)** 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.

1. ALL DIMENSIONS ARE IN MM.
2. ALL HOLES ARE 17.5MMØ FOR 16MMØ BOLTS.
3. BLANK HOLES AT GATE ARE TO RECEIVE BARBED WIRE.
4. STD. SPRING WASHER TO BE SUPPLIED WITH EACH BOLT AND SHALL CONFORM TO IS : 3063 (type B) & 1573 SERVICE GRADE-A.
5. ALL STEEL SHALL BE HOT-DIP GALVANIZED.
AS PER IS : 2629.
6. ALL STEEL SHALL CONFORM TO IS : 2062 GRADE A.
7. GALVANISED STEEL BARBED WIRE SHALL CONFORM TO A-1, IS : 278.
8. BOLT TO BE CONFORMING TO IS:12427-2001 Gr. 5.6 & NUT CONFORMING TO IS:14394-1996 (Gr. 5)
9. BOLT / NUT TO BE HOT DIP GALVANIZED AS PER IS:1367 (P-13) - 1983.
10. BARBED WIRE SHALL BE GIVEN CHROMATING DIP AS PER PROCEDURE LAID DOWN IN IS : 1340
11. NOMINAL LENGTH OF BARBED WIRE SHALL BE WORKED OUT AS PER FOLLOWING FORMULAE:
$$L = B + (X-3.5) \times 2 \times \tan \theta \times N$$

B = B/B Width at CL for Normal Tower in Mtrs.
X = Height of Body Extn if any in Mtrs.
N = NUMBER OF BARBED WIRE TURNS
θ = TOWER SLOPE





 ललित कुमार / Laili Kumar
 उप प्रबंधक / Dy Manager
 भारत विद्युत आपूर्ति निगम लिमिटेड
 Power Grid Corporation of India Limited
 400 / 220 वोल्टी उपकरण, पुहाना, रुड़की-247667
 400/220 KV Substation, Puhana, Roorkee-247667

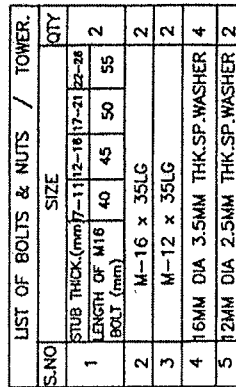
BILL OF MATERIAL			
MARK NO	SECTION	LENGTH (mm)	QTY NOS
AC1/AC1X	L 100x100x6	128	4+4=8
AC2	L 50x50x5	617	4
AC3	L 50x50x5	617	1
AC4	L 50x50x5	470	1
AC5	L 50x50x5	617	3

LIST OF BOLTS & NUTS / TOWER.				
S.S.NO	SIZE			QTY
1	STUB THICK (mm)	7	11/12-16	17-21
	LENGTH OF M16 BOLT (mm)	45	50	35 60
2	M-16 x 35LG			18
3	16MM DIA 3.5MM THK SP WASHER			27

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

STANDARD DRAWING		<p>POWER GRID CORPORATION OF INDIA LIMITED</p> <p>(A GOVERNMENT OF INDIA ENTERPRISE)</p> 		PROJECT:		786/400/220KV TRANSMISSION SYSTEM	
				TITLE:		ANTICLINGERING DEVICE	
EXTENSION		CLEARED BY		<p>DATE: 16/10/2014</p> <p>TIME: 10:30 AM</p> <p>PLACE: [Signature]</p>		<p>DATE: 16/10/2014</p> <p>TIME: 10:30 AM</p> <p>PLACE: [Signature]</p>	
DESCRIPTION	CASE	DATE	TIME	DATE	TIME	DATE	TIME
REVISION	DATE	TIME	DATE	TIME	DATE	TIME	TIME

1. "C" STRIP IS TO BE PROVIDED ON ONE LEG OF EACH TOWER.
2. "D" STRIP WITH PIPE EARTHING ARRANGEMENT IS TO BE PROVIDED ON ONLY ONE LEG.
3. 17.5Ø HOLES SUITABLE FOR 16MM Ø BOLT CONFORMING TO IS:12427-2001, CLASS 5.6 & IS:14394-1996, Gr. 5 FOR HEX NUT UNLESS OTHERWISE SPECIFIED.
4. FOR COUNTERPOISE EARTHING STRIP 'C' SHALL BE CONNECTED WITH COUNTERPOISE WIRE THROUGH 'A' LUG.
5. ALL DIMENSIONS ARE IN MM.
6. 12 & 16MM DIA SPRING WASHER SHALL CONFORM TO IS:3063-1994 TYPE B AND ELECTRO GALVANIZED AS PER IS:1573-1986.
7. HDG BOLT/NUTS TO BE GALVANIZED AS PER IS:1367(P-13)-1983.
8. C & D FLATS TO BE HOT DIP GALVANIZED AS PER IS:2629-1985.
9. MATERIAL FOR C & D FLAT AS PER IS:2062 GRADE "A".
10. X TO BE COMPATIBLE WITH STUB



STANDARD DRAWING

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

[illegible]


Dy. Project Manager (Electrical)

DFCCIL/2019/कंसी०सी०आई०एल०
Meerut/मेरठ