

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport and Highways) कर्नाटक क्षेत्र, क्षेत्रीय कार्यालय, बेंगलुरु

Karnataka Region, REGIONAL OFFICE, BENGALURU

बेंगलूरु – तुमकूर सड़क (एन.एच-४), एम. एस. रामय्या इंकलेव, नागसंद्रा मेट्रो स्टेषन के बगल में, बेंगलूरु –५६० ०७३. Bengaluru – Tumakuru Road (NH-4), M.S. Ramaiah Enclave, Beside Nagasandra Metro Station, Bengaluru - 560 073

No. NHAI/RO-BNG/14024/ /2020/653

Date: 04.06.2020

BHARATMAI A

Tele: 080 - 28397156

Fax: 080 - 28377171 Email: robangalore@nhai.org

ronhalbangalore@gmail.com

:080 - 28397171

Invitation of public comments

Sub: Permission for crossing of 33KV Over head lines at NH-04 at Shree Rambapuri College Shiggaon-Reg

Ref:

- 1. Assistant EE(Ele), Sub-Division HESCOM letter no.215-217 dt.05.02.2019.
- 2. PIU-Dharwad Letter no. NHAI/PIU-DWD/24011/2019/384 dated 07.05.2019.
- 3.PIU-Dharwad letter no. NHAI/PIU-DWD/24011/2019/311 dated 28.05.2020.

PD-Dharwad letter cited 11th above has submitted the for crossing of 33KV Over head lines at NH-04 at Shree Rambapuri College Shiggaon, seeking permission from Competent Authority.

Further, as per para-4 of Ministry's Circular No. RW/NH-33044/29/2015/S & R (R) dated 22.11.2016, the Highway Administration shall be put out in the Public Domain for 30 days for Seeking claims and objections (On grounds of Public inconvenience, safety and general public interest).

In view of the above, the comments/objections of affected public is hereby invited with reference to Ministry's circular dated 22.11.2016 for the above mentioned proposal. The objections/comments may be addressed to the below mentioned address, which should reach by this office within 30days from the date of publication beyond which no comments shall be entertained.

Regional Officer
National Highways Authority of India
Regional Office
Bengaluru-Tumakuru Road (NH-4),
M.S. Ramaiah Enclave,
Beside Nagasandra Metro Station,
Bengaluru – 560073.
Email Id: ronhaibangalore@gmail.com
robangalore@nhai.org

5. This is issued with the approval of Competent Authority.

Yours sincerely,

D. Ravi sudhakar)

DGM(Tech)

Copy to:-

- 1. The Web admin, NHAI, HQ, New Delhi for Uploading on NHAI's website.
- 2. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.
- 3. Project Director, NHAI, PIU-Dharwad for Information.

Corp. Office: G-5 & 6. Sector-10, Dwarka, New Delhi - 110 075. Ph.: 011-25074100 website: www. nhai.gov.in



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

(सड़क परिवहन एवं राजमार्ग मंत्रालय) (Ministry of Road Transport and Highways) परियोजना कार्यान्वयन इकाई Project Implementation Unit Phone No : (0836) 2461442 Telefax : (0836) 2461244 Website : www.nhai.org E-mail : dha@nhai.org piudharwad@gmail.com



'2' व क्रॉस, सत्तूर कॉलोनी, विद्यागिरी, धारवाड –580004 (कर्नाटक राज्य) 2™ CROSS, SATTUR COLONY, VIDYAGIRI, DHARWAD-580004 (KARNATAKA STATE)

No. NHAI/PIU-DWD/24011/2020/311

28.05.2020

To, The Regional Officer, NHAI, RO, Bangalore.

Sub: Permission for crossing of 33 KV Over Head Line at NH-4 at Shree Rambapuri Collage Shiggaon -reg.

Ref: 1. This office E mail dated 08.05.2020 2. Your office E mail dated 04.12.2020

Sir,

This is in reference to the cited subject wherein M/s. HESCOM, Haveri had complied to the observations on the subject proposal raised for approval of crossing of 33 KV Over Head Line at NH-4 at Shree Rambapuri Collage Shiggaon.

In this regard the following is submitted:-

Sl No.	Particulars	PIU review/compliance
1.	As per the checklist submitted, PD has to submit the certificate as mentioned in Sl. no. 7 & 8.	Copy enclosed.
2.	Licence Fee in the form of Bank Guarantee having BG no. 0409118BG0000195 amounting to Rs. 1,00,000/- has been expired on 13.09.2019. In this regard, BG has to be renewed and copy of the same to be submitted.	Copy enclosed
3.	Copy of SFMS from the bank need to be submitted on confirmation of extended BG.	Copy enclosed
4.	Way leave charges amounting to Rs. 2318/- in the form of DD is submitted wherein validity of DD is 3 months, but the copy submitted to this office is not clear. In this regard, it is requested to verify the validity of the DD. In case if DD is expired new DD to be obtained and copy of the same to be submitted to this office.	. 1

This is for your information and necessary action.

Young faithfully

Shishu Mohan

DGM (Tech) & Project Director

Encl: As above.



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

(सङ्क परिवहन एवं राजमार्ग मंत्रालय) (Ministry of Road Transport and Highways) परियोजना कार्यान्वयन इकाई

Phone No: (0836) 2461442 Telefax: (0836) 2461244 Website: www.nhai.org E-mail: dha@nhai.org piudharwad@gmail.com



Project Implementation Unit

'2' व क्रॉस, सत्त्र कॉलोनी, विद्यागिरी, धारवाड-580004 (कर्नाटक राज्य)

2[™] CROSS, SATTUR COLONY, VIDYAGIRI, DHARWAD-580004 (KARNATAKA STATE)

No NHAI/PIU-DWD/24011/2019/384

07.05.2019

The Regional Officer, NHAI, RO, Bangalore.

Sub: Permission for crossing of 33 KV Over Head Line at NH-4 at Shree Rambapuri

Assistant EE(Ele), Sub Division, HESCOM, Haveri letter No. AEE(E)/JE(T)/33KV S&L/HVR/2018-19/215-217 dated 05.02.2019

Sir,

This is in reference to the cited subject wherein Assistant EE(Ele), Sub Division, HESCOM, Haver had submitted the desired documents for Construction crossing of 33 KV Over Head Line at NH-4 at Shree Rambapuri Collage Shiggaon.

In this regard the following is submitted:-

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Ko.	Particulars Check List	Submitted/Not submitted	Remarks		
2	Bank Guarantee	Submitted	Copy Attached		
ن ال	Authority letter	Submitted Submitted	Copy Attached		
5	Undertaking Draft Licensee	Submitted	Copy Attached Copy Attached		
U	Indemnity Bond	Submitted	Copy Attached		
		Submitted	Copy Attached		

In light of above, the proposal is herewith recommended for your kind perusal and approval of Competent Authority.

Thanking you,

Yours faithfully

Col AK Janbaz GM (Tech) & Project Director

Enci: as above.





LEA Associates South Asia Pvt. Ltd.

Plot No. 158, Laxmi Layout, Gokul Road Near Big Bazar, Behind Oriental Bank of Commerce Hubli (Taluk) Dharwad (Dist.) Karnataka -580030; Tel: +91-836-2333315/16 Email: lasahubli@gmail.com, www.lasaindia.com Corporate Identification Number: U74899DL1993PTC055750

Reference: LASA/HUBLI/IE/HH-73610/2019/574

Date: 19-02-2019

To,
Project Director,
NHAI- PIU- Dharwad,
2nd Cross, Sattur Colony, Vidhyagiri,
Dharwad-580004. Karnataka.

Subject:

Six Laning and Strengthening of km 340+000 to km 403+400 of Hubli-Haveri section of NH-48 (Old NH-4) in the State of Karnataka to execute on Hybrid Annuity Mode under NHDP Phase-V.-Proposal for Crossing of 33 KV Over Head Line at NH-4. IE Observations. Reg: -

Reference:

1. NHAI/PIU/DWD/41002/6 laning-HVR-HBL/2018-19/3073

Dt 12-02-2019

 Assistant EE(Ele), Sub Division HESCOM, Haveri letter No. AEE(E)/ JE(T)/ 33KV S&L/ HVR/2018-19/215-217
 Dt 05-02-2019

3. LASA/HUBLI/IE/HH-73610/2018/318

Dt 21-07-2018

4. NHAI/PlU-DWD/11011/6 laning -HVR-HBL/2018/1014

Dt 18-07-2018

Dear Sir,

Referring the letter NHAI #3073, where in, it was asked to verify the proposal submitted at Reference-2, and apprise the ground position. In this context please refer NHAI #1014, the Issue, and LASA #318, where the ground position reported.

The applicable TCS at this particular location is TCS I of Concession Agreement. It requires 28.00 Meters from the Project Centerline for accommodating each & every element of TCS. The last two meters of PROW is ear-marked as Utility Corridor. The pedestal of the lattice girder of the Crossing towards the LHS is at a distance of 33.35 Meters and well out of proposed RoW, 31.50 meters. Whereas, the pedestal of lattice girder of the Crossing on RHS is at 28.35 Meters, and is inside the Proposed RoW of 30.00 Meters, which is falling in the space marked for Utility Corridor channel-ducts. It is brought to kind notice that the 33-KV, Over-Head Line Crossing Work, is in place, and executed well before this day and some time before.

The LME level at 364.965 is 620.069 M and the RME level at same location is 620.028. And the lower conductor of the lattice girder is at an elevation of 9.100 M at LME and 9.700 M at RME and conforms to the guidelines of 9.5 M in the sketch and is safe. Further considering the undertaking given by the utility department vide HESCOM HAVERI Lr no. 72 Dt. 17-11-2017, Surther necessary action may be taken from your end.

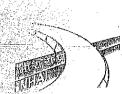
Yours Sincerely,

For, LEA Associates South Asia Pvt. Ltd.

P. Venkata Ramana

Team Leader cum Senior Highlay Engineer

Copy to: Authorized Signatory MHHHPL- Dharwad for information and necessary action



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

Phone Mo : (0836) 2461442 Telefax : (0836) 2461244 Website : www.nhai.org E-mail : dha@nhai.org pludharwad@gmail.com



(राड़क परिवहन एवं राजमार्ग मंत्रालय) (Ministry of Road Transport and Highways) परियोजना कार्यान्ययन इकाई Project Implementation Unit

'2' व क्रॉस, सत्तूर कॉलोनी, विद्यागिरी, धारवाड-580004 (कर्नाटक राज्य) 2™ CROSS, SATTUR COLONY, VIDYAGIRI, DHARWAD-580004 (KARNATAKA STATE)

NHAI/PIU-DWD/41002/6 laning-HVR-HBL/2018-19/3073

12.02,2019

To.

M/s. Lea Associates South Asia Pvt. Ltd., Plot No. 158,Laxmi Layout, Gokul Road, Near Big Bazaar,

HUBLI-580030

Sub:

Six laning and strengthening of Haveri-Hubli section of NH-4 (New NH-48) from km 340+000 to km 403+400 in the state of Karnataka to be executed on Hybrid Annuity Mode under NHDP-Phase V - Proposal for Crossing of 33 KV Over Head Line at NH-4-Reg.

Ref:

Assistant EE(Ele), Sub Division HESCOM, Haveri letter No. AEE(E)/JE(T)/33KV S&L/HVR/2018-19/215-217 dated 05.02.2019

Sir.

This is in reference to the letter cited above, wherein Assistant Executive Engineer(Ele.), Sub Division, HESCOM, Haveri submitted fresh proposal for crossing of 33 KV Over Head Line at NH-4, which is self explanatory.

In this regard, you are requested to verify the same on ground and thereafter submit your comments for taking further necessary action in the matter.

Thanking you,

Yours faithfully

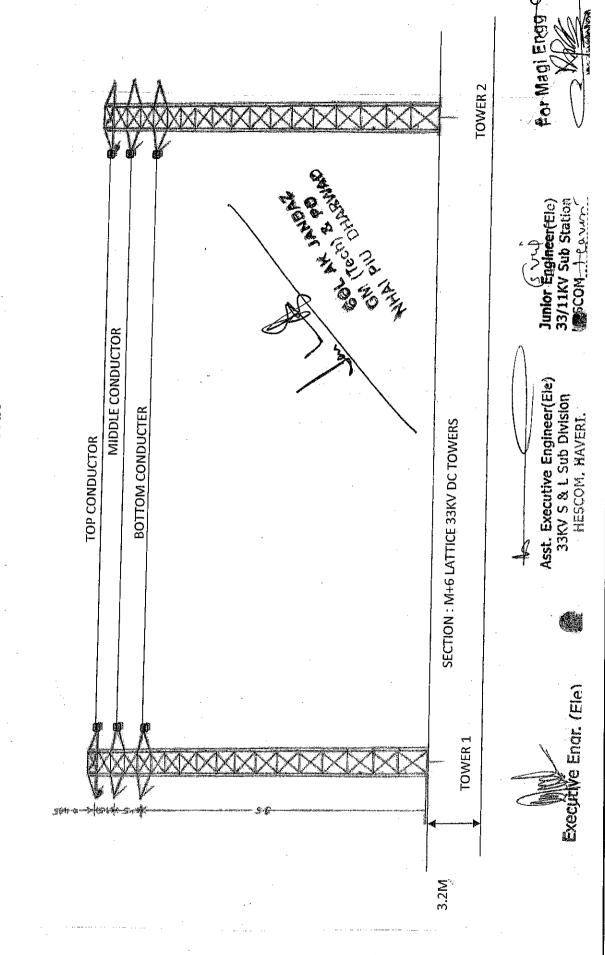
Kiran Gubbannavar, Young Professional(Tech)

Encl: As above.

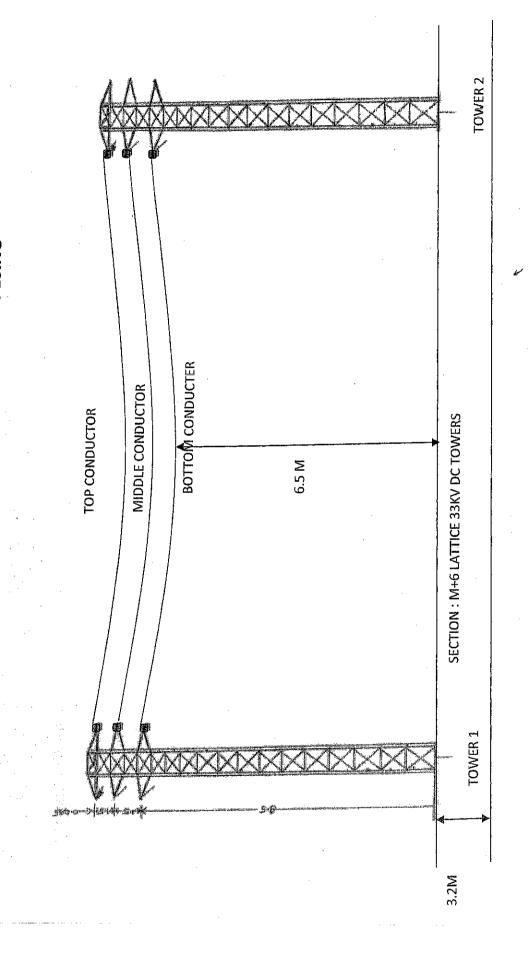
Copy to: 1. M/s. Montecarlo Hubli Haveri Highway Pvt. Ltd., Dharwad - for information.

2. The Assistant Executive Engineer(Ele.), Sub Division, HESCOM, Haveri- for information and follow-up.

SKETCH SHOWING TOWERS FOR NATIONAL HIGHWAY-4 CROSSING OF 33KV SC LINE ON DC TOWERS AT SHIGGOAN



SKETCH SHOWING TOWERS FOR NATIONAL HIGHWAY-4 CROSSING OF 33KV SC LINE ON DC TOWERS AT SHIGGOAN, CONDUCTORS ARRENGAMENT DESING



Asst. Executive Engineer(Ele.) 33KV S & L Sub Division HESCOM, HAVERI.

Junior Engineer(Ele)
33/11KV Sub Station
HESCOM + toward

For Magi Engo Co

THE THE

CHECK LIST

Guideline for Project director for processing the proposal of stringing Overhead 33 kv Double Circuit (COYOTE) Line from NEW SOLAR POWER GENERATION AT CHANDAPUR VILLAGE OF SHIGGOAN TALUQ TO EXISTING 110/33/11KV SUB-STATION SHIGGAON Electrical line across National Highways vested with NHALL

]_			Electrical line across National Highw	ays vested with NHAI			n O i
	SL N	10	ITEM	INFORMATION STATUS REM			
	1		General information			VE WIN	
	1.		Name and Address of the Applicant	Hubli Electricity Supply Company Limited			
	1.		National Highway Number	Bengalore-Pune NH-4	_		—.
	1.	3	State	Karnataka			
L	1.	4	Location	Near Shiggaon Town			
	1.5	(a)	Km change at NH-4	364-960	<u> </u>	<u></u>	
-	:	(b)		307-300		· · · · · · · · · · · · · · · · · · ·	
Г	1.0	5	Length in Meter	NH-4 Crossing		··-	
Г	1.7	7	Width of Available ROW	Mir-4 Crossing			
		(a)	Left side from center line toward increasing change/Km Director	31.6 Mtrs LHS	-	<u> </u>	
			Right side from center line toward increasing change/Km Director	28.7 Mtrs RHS			
_	1.8		Proposal to string Overhead Electical Line				
	((a)	Left side from center line toward increasing change/Km Director	364+960			
		ļ	Right side from center line toward increasing change/Km Director	364+960			
<i>-</i>	(b)					
	1.9		Proposal to acquire land		 -		
	(. –	Left side from Center	NA ·			
	(b)	Right side from Center	NA NA			
	1.10	1	Whether proposal is in the same side whether land is not be acquired	NA NA	- 		
	1.11	1	Detail of already laid service, if, any, along the proposed route	 		···	
	1.12	1	Number of lanes (2/4/6/8 lanes) existing	N/A			
	1.13	F	Proposed Number of lanes (2 lane with Paved should 4/6/8 lanes	4			
<u> </u>	1.14	5	service road existing or not if yes then which side	6 lanes			i
	1.15		Proposed service road	Yes both side			
 	(a		eft side from Center line		1		
	(b		light side from Center line	31.6			
	1.16			28.7			S
٠	1.10	S	Whether proposal to lay line is after the service road or between the ervice road and main carriageway	Proposal to lay the line after service		-	
	1.17	1	he permission for stringing Overhead electrical line shall be considered	road @both end.			
		fc	or approval/rejection based on the ministry circulars mentioned as bove	Yes			
	1.18	lf	crossing of the road involved if yes, it shall be either encased in pipes	14/2		···	
		01	r through structure or conduits specially built for that purpose at the		ĺ	·	
		e	pense of the agency owning the line.	head line using structure tower on both side			
	(a)	E>	disting drainage structure shall not be allowed to carry the line	NA NA	 	<u>:</u>	4
	(b)	ls	it on a line normal to NH	Crossing at Angle 90°	 		4
	(c)	Çr	ossing shall not be too near the existing structure on the National	There is no structure either side with	 		_
		H	ghway, the minimum distance being 15 meter. What is the Distance	in 15 Mtrs.		,	
	(d)	In	e casting pipe (or conduit pipe in the case or electric line carrying the	NA	 		4
		ut	lity line shall be of steel, cast iron or reinforced cement concrete and ve adequate strength can be large enough to permit ready with draw				
		or	tne				
	(e)	En	ds of the casting/ conduit pipe shall be scaled from the outside, so	NA			-
	(f)	The	at is does not at as a drainage path a casting/conduit pip should, as minimum extend from drain to drain	NA .		****	_
	(g)	lin c	cuts and toe of slops to toe of slops in the fills a top of the casting/ conduit pip should be at least 1.2 meter below				
	(6)	the	surface of the road subject to being at least 0.3m below the drain	••• • • • • • • • • • • • • • • • • •			7
	(1-)		erts				
	(h)	uro	ssing shall be by boring method (HDD) Especially where the existing	NA			1
		type	d pavement is of cement concrete of dense bituminous concrete				
	(i)		casting/conduit pipe shall be installed with an even bearing	5.7 A		·	-
	1	thro	ough its length and drain in such a manner as to prevent the	NA			
	,	<u>ion</u>	nation of waterway along it.				
	-	DUC	uments/ Drawing enclosed with the proposal				1
2.		uros norr	is section showing the size of trench for open trenching method(is it	NA			
		7) SI	nal size of 1.2m deep 0.3m wide) nould not be greater then 60cm wide then the outer diameter of			,	
		اد ر-	source for the frequency with the first the outer diameter of	And the second s		, .	

			ı		_
	B) Located as close to the extreme edge of the right of way as possible		!	1.2.5	
	but not less then 15meter from the center lines of the nearest		,	r *	Ì
	carriageway			4	١
	C) Shall not be permitted to run along the National Highways when the				ł
	road formation is situated in double cutting. Nor shall these be so laid				1
1	over the existing culverts and bridges.				
	D) These should be so laid that theri top is at least 0.6 meter below the			•	ı
	ground level so as not to obstruct drainage of the road land	A.			
2.2	Cross section showing the size of plt and location of line for HDD	Not applicable &			1
	method	Detailed crossing profile enclosed			
2.3	Strip I pan/Route plan showing Overhead electrical line, change, width	<u> </u>			
	of ROW, Distance of proposed, line from the edge of ROW, import mile				1
	stones, intersections, cross drainage work etc.	Stringing method will follow as mention			
2.4	Methodology for stringing overhead electrical line.				
ŀ		1111000000	-		_
2.4.1	Open trenching method (May be allowed in utility corridor only where	ŅĀ			•
	payment is nelther cement concrete nor dense bituminous concrete				- 1
1	type.), if yes methodology of refilling of trench.	210			_
(a)	The trench width should be at least 30 cm, but not more then 60cm	NA NA			
(-,	wider then the outer diameter of the pipe		 		
(b)	For filling of the trench, bedding shall be to a depth of not more then 30	NA			
\-/	cm. it shall consist of granular material. Free of limps, clods and copple				
1	and granated to yield a film surface without sudden change in the				
	bearing value. Unsuitable soil and rock edge should be excavated and			-4	Ŷ.
İ	replaced by selected material.		 	(₹	
(c)	The backfill shall be completed I two stages	NA			
(*)	i)side fill to the level of the top of pipe and				
	II) Overfill to the bottom of the road crust.		 		
(d)	The side fill shall consist of granular material laid in 15cm layers each	NA .			
(0)	consolidated by mechanical tampering and controlled addition of		,		
	moisture to 95% of the protector 's density. Overfill shall be completed		İ		
	to the same density as the material that had been removed				
(e)	The road crust shall be built to the same strength as the existing crust	NA			
(0)	on either side of the trench. Care shall be taken to avoide the formation	1			
	of a dip at the trench.				
(f)	The excavation shall be procted by flagman, sings and barricades and	NA ·			
('7	red lights during night hours.				
(g)	If required, a diversion shall be constructed at the expense of agency	NA			
(6)	owning the utility line.				
2.4.4	Horizontal Directional drilling (HDD) method	NA	 		<u> </u>
2.4.3	Stringing Overhead electrical cable through CD works and method of	NA			
2.4.5	laying				
3	Draft License Agreement signed by two witness	Enclosed			
	Performance bank guarantee in favour of NHAI has to be obtained @	Enclosed		l	4
4	Rs.50/- per running meter (parallel to NH) and Rs.1,00,000/- per	•	1	!	Ų
	crossing of NH, for a period of one year initially (extendable if required			·	ممعيد
	till satisfactory completion of work) as a security for ensuring/making				
	good the excavated trench for laying the line/ducts by proper filling and	<u>, </u>	1	,	
	compaction, clearing debris/loose earth produced due to excavation of				
	trenching at least 50m away from the edge of the right of way. On				
	payment shall be payable by the NHAI to the License for cleaning				
	debris/loose earth.				
	Performance BG as per above is to be obtained	Yes		·	
4.1	Conformation of BG has been obtained as per NHAI guidelines	Yes			 ,
4.2		Yes (L			
5	Affidavit/Undertaking from the applicant for	Yes	(.		
5.1	Not to damage to other utility, if damaged then to pey the losses either				
	to NHA) or to the concerned agency	Yes			
5.2	Renewal of bank guarantee	Yes			
5.3	shifting of Overhead electrical line as and when required by NHAI at				
	their own cast	45			
5.4	Shifting due to 6 lanning/ widening of NH	NA NA			_
5.5	Indemnity against all damage and claims clause(xxiv)				
5.6	Traffic movement during laying of overhead electrical line to be	Yes			
5.0					
E 7	If any claim is raised by the concessionaire then the same has to be pai	o NA yes a			
5.7	1				
E 0	t - f + ho NUAL Shall be obtained before undertaking ally	Yes			
5.8	a sinctaliation shifting or repairs, or afterations to the Overhead		ĺ		
	electrical line located in the National Highway right of way				
	ALL BUILDING		1		
5.9	Expenditure, if any incurred by NHAI for	Yes		-	

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,v.				(1C2)
3	. t	any work of improvement or repairs to the road, it will be carried out a a desired by the NHAI at the cost of the agency owing the utility line within a reasonable time(not exceeding 60 day) of the intimation given		752
	5.11	1) Laying of overhead electrical line will not any Deleterious effects on any of the beidge components and roadway safety for traffic.	Certificate enclosed	
		2) For 6-lagnning "we do undertake that I will relocate service road/ utilities at my own cast not withstanding the permission granted within such time as will be stipulated by NHAI"for further six Lanning or		
]	6	Who will sing the agreement on be half of Overhead electrical line agency	Executive Engineer(EI), 33KV S & L Division HESCOM, Haveri	
	7	Certificate from the project Director	Haven	
	7.1	Certificate for confirming of all standard condition issued vide Ministry circular No. NH-111/P/20/77 Dated 08/04/1942	Enclosed	
	7.2	Certificate from PD in the following format 1) "It is certified that any other location of the electric line would be extremely difficult and unreasonable costly and installation of electric line within ROW will not adversely affect the design, stability & traffic safety of the Highway nor the likely future improvement such as	Enclosed	-
		widening of the carriageway, easing of curve etc." 2) For 6 lanning A) Where feasibility is available "I do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location." B) I cast feasibility report is not available "I do certfy that sufficient ROW is available at site for accommodating proposed six-lanning."		
	. 8	In NH section proposed to be taken up by NHAI on BOT basis a clause is to be inserted in the agreement. The permitted Highway on which license has been granted the right of way to the concessionaire under the concession agreement for up gradation of (section from KMto KMof NH noon Build, opetrate and transfer basis) and therefore the license shall honor the same."	Clause has been included in undertaking	
	9	Who will supervise the work of laying of overhead electrical line	KPC & HESCOM Engineers	
	10	Who will unsure that the defects in road portion after laying of Overhead electrical line are corrected and if not corrected then what action will be taken.	Exceptive Engance Bus 33 CV 9 PC DIVISION OF HESOM HAVIN	
	11	Who will pay the claim for damaged done/disruption in working of concessionaire if asked by the concessionaire.	33W S&L DIVISION TELLY	<u> </u>
	12	A certificate from PD That he will enter the proposed oermission in the register of records of the permission in the prescribed Perfoama (Copy enclosed)	Enclosed	
	13	If any previous approval is accorded for laying of overhead electrical line then photocopy register of record of permission recorded as maintained by PD may be enclosed	NA	
<u>_</u>			For Magi Engg Co	

For M/s MAGI Engineering Company Dharawad.

Asst Executive Engineer(El), 33KV S & L Sub-Division Hescom Haveri.

> Executive Engineer(El), 33KV-8 & L Division Hescom Haveri.

Junior Engineer(EI), 33KV S & L Sub-Division Hescom Haveri.

PROJECT	33KV (COYOTE ACSR) TRANSMISSION LINE OF HUBLI ELECTRICITY SUPPLY COMPANY LIMITED				
	NH-4 CROSSING DETAILS E	BETWEEN 3	64+960 STO	VE	
SL NO	LINE DETAILS		*	· · · · · · · · · · · · · · · · · · ·	
1.	NAME OF THE TRANSMISSION LINE	33 KV SINGLE CIRCUIT TRANSMISSION LINE (On DC Tower FROM NEW SOLAR POWER GENERATION AT CHANDAPU VILLAGE OF SHIGGOAN TALUQ TO EXISTING 110/33/11KV SUB-STATION SHIGGAON			AT CHANDAPU
2	NAME OF THE PROPOSED HIGHWAY		NGALORE NH-4	HIGHWAY	
3	CROSSINGBETWEEN TOWER LOC.OF 33 KV D/C (Double circuit)		TIGE M + 6		
	Line from Chandapur to existing 110/33/11 kV sub-station KPTCL Shiggaon		eri i Tak eski siyat		
4	CROSSING BETWEEN TWO KM STONE NOS	EXISTING K	M STONE NO.36	4-960	
5	CROSSING KM CHAINGE AT EXISTING NH-4	364-960		-1	-
6	CROSSING NEAREST VILLAGE	SHIGGAON			· · · · · · · · · · · · · · · · · · ·
7	CROSSING ANGLE	90°			
8	CROSSING SPAN OF DOUBLE CIRCUIT 33KV LINE ON DC TOWER(For 33KV SC Line from Chandapur to	62 Mtrs.	100		
	existing110/33/11 KV sub-station KPTCL Shiggaon)			<u> </u>	
9	MINIMUM GROUND CLEARENCE REQUIRED FROM BOTTOM CONDUCTOR TO THE ROAD	6.5 Mtrs.			
10	GROUND CLEARENCE AVAILABLE FROM BOTTOM CONDUCTIOR TO TOP OF THE ROAD	9.5Mtrs.			
11	TOWER DETAILS:				
12	DISTANCE FROM TOWER NO: 1 TO NH-4 LHS	31,6 ROW /	33.25 Mtrs		
13	DISTANCE FROM TOWER NO: 2 TO NH-4 RHS	28.7 ROW/	28.7 Mtrs		
14	HEIGHT OF THE TOWER NO: 1 (M+6)	12.995 Mtrs			
15	HEIGHT OF THE TOWER NO: 2 (M+6)	12.995 Mtrs	· .		
		U+M(ZONE	43P) DD MM SS		
		LAST X/E	CAST Y/N	LAST Y/N	LAST X/E
16	CO ORDINATES NO: 1 (M+6)	14,996693	75.210138		,
17	CO ORDINATES NO: 2 (M+6)	14,997101	175.210672	1	

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For M/s MAGI Enginee ing Company Dharawad.

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> COL AK JANBAZ GM (Tech) & PD NHAI PIU DHARWAD