



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

प्लॉट.क.२१, टीचर्स कॉलोनी, गुरुनानक नगर मार्ग, विजयवाड़ा-५२० ००८. आंध्र प्रदेश

Plot No.21, Teacher's Colony, Gurunanak Nagar Road, Vijayawada-520 008. A.P.

टेली / Tele : 0866-2483910

ई-मेल / E-mail : rovijayawada@nhai.org
nhairovja@gmail.com



Ref : NHAI/RO-VJA/C-V/2017-18/

Date : 08-06-2018

INVITATION OF PUBLIC COMMENTS

Sub: Chilakaluripet - Vijayawada section of NH-16 - M/s. APSPDCL - M/s. Hindustan Coca-Cola Beverages Pvt Ltd - Permission requested for laying of over head electrical line (33KVA) by M+12 Towers to cross the NH16 road from LHS to RHS at Km. 1107/050 of NH-16, Atmakuru Village, Mangalagiri Mandal, Guntur District - Public comments - Reg.

The Project Director, PIU - Amaravathi submitted a proposal of M/s. Hindustan Coca-Cola Beverages Pvt Ltd for laying of over head electrical line (33KVA) by M+12 Towers to cross the NH16 road from LHS to RHS at Km. 1107/050 of NH-16, Atmakuru Village, Mangalagiri Mandal, Guntur District .

As per MORTH guidelines vide letter No. RW/NH-33044/29/2015/S&R® dated 22nd November 2016, the Highway Administration will put out the application in the Ministry's website for 30 days seeking claims and objections (on grounds of public inconvenience, safety and general public interest).

In view of the above, the comments of public, if any, on the above mentioned proposal is invited on below mentioned address.

Regional Officer - Vijayawada,
National Highways Authority of India,
Plot No.21, Teachers' Colony, Gurunanak Nagar Road,
Vijayawada, Andhra Pradesh. Pin: 520 008.
Email: rovijayawada@nhai.org


(Anil Dixit), 8.6.2018
Regional Officer



National Highways Authority of India

Project Implementation Unit, Amaravati, AP

Door No. 136/A, 106 & 107, 1st Floor, Vasantha Residency,
MANGALAGIRI - 522 503. Guntur District, Andhra Pradesh

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

परियोजना कार्यान्वयन ईकाई, अमरावती, आंध्रप्र.

ई-मेल / E-mail : piuamaravati@nhai.org
nhaipiuamaravati@gmail.com



NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/ 397

9th May, 2018

To
The Regional Officer,
National Highways Authority of India,
21, Teachers' Colony,
Gurunanak Nagar Road,
Vijayawada - 520 008.



Sub: NHAI,PIU,Amaravati - 6 laning of Chilakaluripet - Vijayawada section of NH-5 - M/s. Hindustan Coca-Cola Beverages Pvt. Ltd.,- Permission requested for laying of over head electrical line (33KVA) by M+12 Towers to cross NH-16 road from LHS to RHS at Km. 1107/050 of NH-16, Atmakuru(V), Mangalagiri(M),Guntur(D) - Reg.

Sir,

Please refer to RO, Lr. No. NHAI/RO-VJA/PIU-AMR/2018/834 dated 09.04.2018 on the above subject, wherein it was requested to furnish the following information:

- To submit the location plan showing the crossing on NH-16 and further parallel lines layout.
- To submit the possibility of UG cable crossing by HDD method.

The above observations were communicated to M/s. Hindustan Coca-Cola Beverages Pvt. Ltd., vide PIU Lr. No. NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/306 dated 11.04.2018.

In reply M/s HCBPL vide Lr. No. Nil dated 28.04.2018 enclosed the clarifications given by M/s ASPDCL vide Lr. No. ADE/OSD/MGL/F.No./D.No.734/18 Dt.24.04.2018 which are as follows:

- Separate sketch showing the location of crossing on NH-16 and further parallel lines crossing National Highway.
- UG cable crossing by HDD is not possible as the said location is on banks bunds of Guntur Channel and Irrigation Authorities are not permitting to dig out the bund for HDD and already laid UG cable was damaged due to mechanical works carried out in the road margins of NH-16.

The clarifications submitted by M/s ASPDCL were communicated to IE, M/s Aarvee Associates vide PIU Lr. No. NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/372 dated 02.05.2018 with a request to verify the proposal as per site conditions and furnish necessary comments/ recommendations.

Contd..2

J. J. V. 6

#2#

IE, M/s Aarvee Associates inspected the same as per site conditions and vide Lr. No. AA/OM/1956/VJA/NHAI/Permissions/17-18/641 dated 05.05.2018 recommended for approval of Competent Authority.

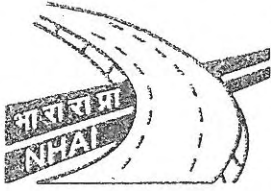
In view of above, the proposals submitted by M/s. Hindustan Coca-Cola Beverages Pvt. Ltd., duly counter-signed by DEE, APSPDCL, Guntur are re-submitted with a request for approval of the Competent Authority for laying overhead power line across NH-16 at Km. 1107+500 in Atmakuru Village, Mangalagiri Mandal, Guntur District.

Yours faithfully,



(Dr.T.SRINIVAS)
Project Director
PIU-Amaravati

Encl: As above.



National Highways Authority of India

Project Implementation Unit, Amaravati, AP

Door No. 136/A, 106 & 107, 1st Floor, Vasantha Residency,
MANGALAGIRI - 522 503. Guntur District, Andhra Pradesh

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

परियोजना कार्यान्वयन ईकाई, अमरावती, आंध्रप्र.

ई-मेल / E-mail : piuamaravati@nhai.org
nhaipiuamaravati@gmail.com



NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/372

2nd May, 2018

To
The Team Leader,
M/s.Aarvee Associates Architects
Engineers & Consultants Pvt. Ltd.,
D.No.57-15-5, Pantakaluva Road,
Near SBI Bank, Patamata, Benz Circle
VIJAYAWADA - 520 010

Sub: NHAI,PIU,Amaravati - 6 laning of Chilakaluripet - Vijayawada section of NH-5 - M/s. Hindustan Coca-Cola Beverages Pvt. Ltd.,- Permission requested for laying of over head electrical line (33KVA) by M+12 Towers to cross NH-16 road from LHS to RHS at Km. 1107/050 of NH-16, Atmakuru(V), Mangalagiri(M),Guntur(D) - Reg.

- Ref: 1. HCBPL, Lr. No. COCACOLA/NH-16/EL/ATMAKURU dated.11.12.2017
2. PIU, Lr. No. NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/306 Dt.11.04.2018
3. HCBPL, Lr. No. Nil dated.28.04.2018
4. ASPDCL, Lr. No. ADE/OSD/MGL/F.No./D.No.734/18 Dt.24.04.2018

Sir,

Please refer to ref 1st cited, wherein HCBPL requested to accord permission for laying of over head electrical line (33KVA) by M+12 Towers to cross NH-16 road from LHS to RHS at Km. 1107/050 of NH-16, Atmakuru Village, Mangalagiri Mandal, Guntur District.

PIU vide ref 2nd cited requested to furnish the following information for processing the proposal:

- To submit the location plan showing the crossing on NH-16 and further parallel lines layout.
- To submit the possibility of UG cable crossing by HDD method.

HPBCL, vide ref 3rd cited furnished requisite information and requested to accord permission for the subject matter.

In this connection, it is requested to verify the proposal as per site conditions furnish necessary comments/ recommendations for taking further necessary action.

*Perthel
Gobale Krishna
2/5/18*

Yours faithfully,

J. T. Srinivas
(Dr. T. SRINIVAS)
Project Director
PIU-Amaravati

Hindustan Coca Cola Beverages Private Limited

Atmakuru Village, Mangalagiri Mandal, Guntur District-0522 503
Phone : 08645-234504, 505, 506
Fax : 08645 - 234508

To
The Project director,
National highways Authority of India
Project Implementation Unit,
Amaravati

28.04.2019

Dear Sir,

National Highways Authority of India
Dy No:.....944.....
Date:.....30.04.2018....
O/o.THE PROJECT DIRECTOR PIU, AMARAVATI, A.P

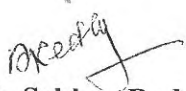
Sub: Furnishing of information as per your given representation

Ref: NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/306

This to inform you that as per your given representation points for 33kv dedicated line NH 16 crossing, we have approach with APSPDCL and given representation to APSPDCL for technical clarification of those point.

As per our given representation, APSPDCL has given information for those observed points and same clarification letter we are enclosing for your reference. Hence we request your good office to consider our representation and take necessary actions for processing our application of laying of overhead line of 33KVA across NH-16 near Saibaba temple.

Thanking you,
For Hindustan Coca -cola Beverages Pvt limited


B. Raja Sekhar Reddy
Factory Manager



SOUTHERN POWER DISTRIBUTION COMPANY OF ANDHRA PRADESH LTD.
OPERATION SUB-DIVISION:: MANGALAGIRI

From

The Assistant Divisional Engineer,
Operation, APSPDCL,
Mangalagiri

To

✓ Sri B. Raja Sekhar Reddy
Factory Manager
Hindustan Coca Cola Beverages Pvt.Ltd
Atmakuru (V)
Mangalagiri (M)

Lr.no: ADE/OSD/MGL/F.No. /D.No: 734 /18 Dt: 24 - 04 - 2018.

Sir,

Sub: - Electricity – Operation, Sub-Division, Mangalagiri – Furnishing of information as per your representation - Reg.

Ref:- 1) Yours Letter Dated : 20.04.2018

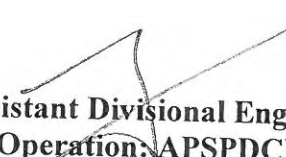
In the reference cited above, the point wise information furnished here under.

- (i) To submit the location plan showing the crossing on NH-16 and further parallel lines layout.

Reply: Separate sketch enclosed.

- (ii) To submit the possibility of UG cable crossing by HDD method.

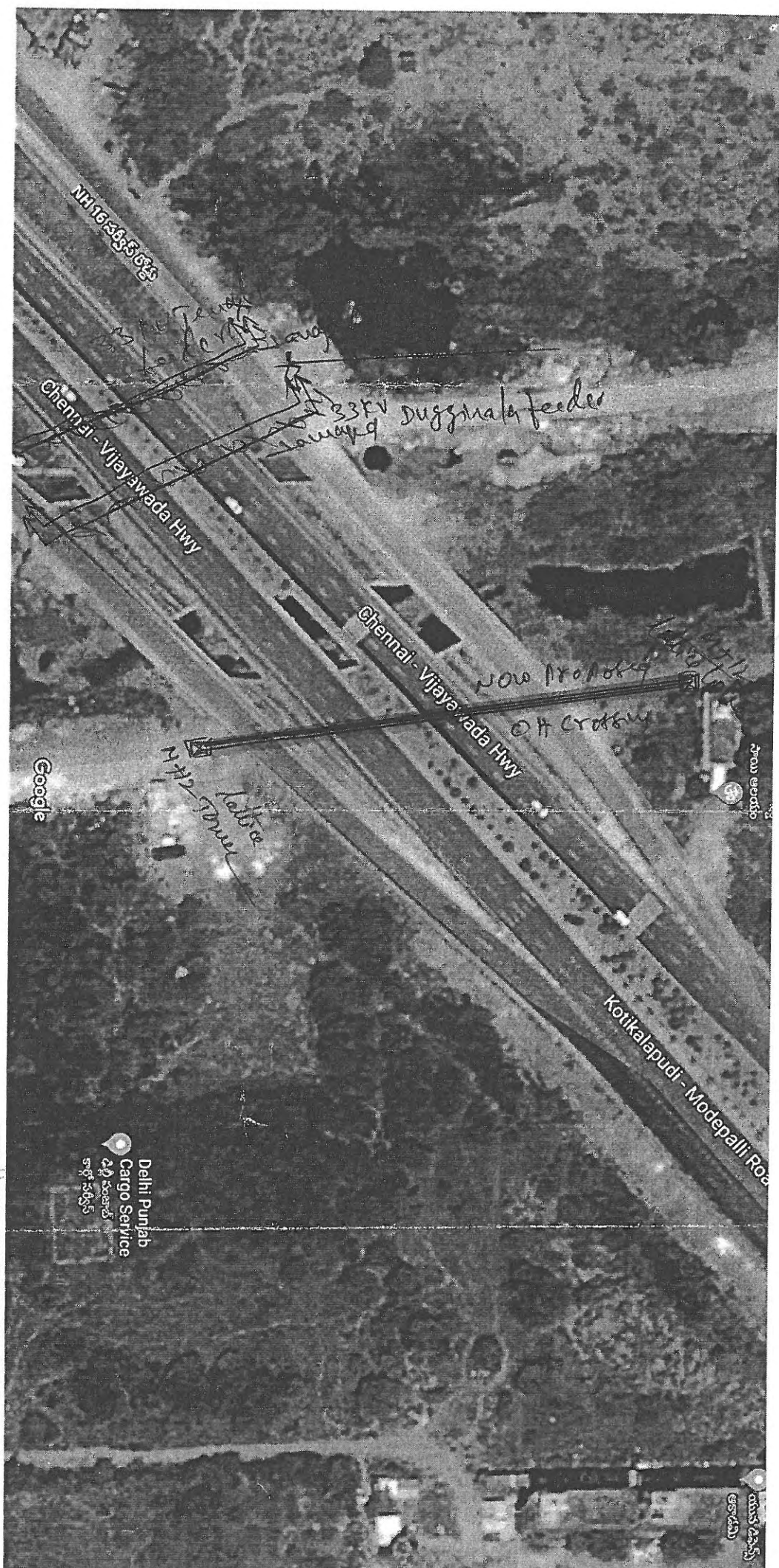
Reply: As per the geographical position the said location is on the banks/bunds of Guntur Channel and the Irrigation authorities are not permitting to dig out the bund for HDD. The already existing 1 No UG Cable crossing at each location as shown in the enclosed sketch are almost damaged due to mechanical works carried in the road margins of NH-16. Hence the over head line recommended with the standards.


Assistant Divisional Engineer
Operation, APSPDCL,
Mangalagiri

Copy submitted to The Divisional Electrical Engineer, Operation, Town-2 Guntur for favour of information please.

Copy to the Project Director, Project Implementation Unit, Amaravati for favour of information.

Google Maps



Imagery ©2018 CNES / Airbus, DigitalGlobe, Map data ©2018 Google 20 m

Asst. Divisional Engineer
A.P.S.D.C. Operation Sub-Division
Mangalore

Letter No. AA/OM/1956/VJA/NHAI/Permissions/17-18/641

Date: 05th May '2018

To
The Project Director,
National Highways Authority of India
Dr.No.136/A, 106 & 107, 1st Floor,
Vasanth Residency, Mangalagiri- 522503
Guntur District, A.P.

National Highways Authority of India	
Dy No:.....	1027
Date:.....	09/05/2018
O/o. THE PROJECT DIRECTOR PIU, AMARAVATI, A.P	

Project: Operation & Maintenance of "6-laning of Chilakaluripet-Vijayawada section of NH-5 (New No. NH-16) from Km. 355+000 to Km. 434+150.

Sub: M/s. Hindustan Coca-Cola Beverages Pvt. Ltd – Permission requested for laying of over head electrical line (33KVA) by M+12 Towers to cross the NH-16 road from LHS to RHS at Km.1107/050 of NH-16, Atmakuru village, Mangalagiri Mandal, Guntur District – Reg.

- Ref:** 1. Lr. No. NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/372 dated 02.05.2018 of PIU, Amaravati
2. Hindustan Coca-Cola Beverages Pvt.Ltd. Lr. No.COCACOLA/NH16/EL/ATMAKURU dated 11.12.2017
3. Lr.No. NHAI/PIU-Amaravati/11013/13(E)/2016/Vol.1/306 dated 11.04.2018 of PIU, Amaravati
4. Hindustan Coca-Cola Beverages Pvt.Ltd. Lr. No. Nil dated 28.04.2018
5. APSPDCL Lr. No. ADE/OSD/MGL/F.No./D.No.734/18 dated 24.04.2018
6. Lr.No. NHAI/PIU-Amaravati/11013/13(E)/2017/Vol.1/462 dated 16.12.2017 of PIU, Amaravati
7. T/o Lr.No.AA/OM/1956/VJA/NHAI/Permissions/17-18/534 dated 30.12.2017.

Sir,

With reference to the letters cited above, IE has inspected the site. The observations are here under:

M/s HCBPL requested to accord permission for laying over head electrical line (33KVA) by M+12 towers to cross NH-16 road from LHS to RHS at Km.1107/050 of NH-16, Atmakuru village, Mangalagiri Madal , Guntur District and the same was verified by the IE and vide reference 7th cited and recommended to accord permission to lay the over head electrical line.

In this regard vide reference 3rd cited above, PIU requested M/s HCBPL to furnish 1.the location plan showing the crossing on NH-16 and further parallel lines lay out and 2. the possibility of UG cable crossing by HDD method. In return the Assistant divisional Engineer operation APSPDCL vide reference 5th cited above submitted a separate sketch showing the location of crossing on NH16 and further parallel lines crossing NH. Further stated that UG cable crossing by HDD is not possible as the said location is on the banks bunds of Guntur Channel and Irrigation Authorities are not permitting to dig out the bund for HDD and already laid UG cable was damaged due to mechanical works carried out in the road margins of NH-16.



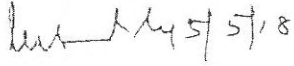
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In view of the above, Competent Authority may take a suitable decision to accord permission to lay 33KV Over-head lines as requested by the applicant.

Thanking you,

Yours faithfully,



(M. PITCHI REDDY)

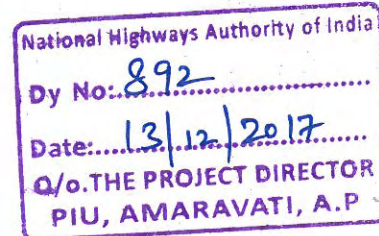
Team Leader

Chilakaluripet-Vijayawada O&M Project

CC to: 1. Mr. Ravi Kiran – Chief of Operation & Maintenance, VTPL, Kaza
2. Mr. K. Srinivasa Rao – Project Head, M/s. Aarvee Associates, RO, Hyderabad

HINDUSTAN COCA-COLA BEVERAGES PVT LTD.

Atmakuru Village, Mangalagiri Mandal, Guntur District, A.P.,



**PROPOSAL FOR LAYING OF
OVER HEAD ELECTRICAL LINE
33 KVA BY M+12 TOWERS
TO CROSS NH16
@Km 1107/05 (Old NH5)
on KOLKATA-CHENNAI SECTION
AT ATMAKURU VILLAGE
MANGALAGIRI MANDAL
GUNTUR DISTRICT, A.P.,**

PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
PIU- AMARAVATI, A.P.,

LIST OF DOCUMENTS ENCLOSED

S.No.	Description
1	Brief note on importance to lay Electrical Power supply line across NH-5 land.
2	License Deed to lay electrical power supply line across NH-5 land
3	Annexure – A (undertaking to lay electrical power supply line across NH – 5 land)
4	Certificate cum undertaking
5	Annexure – B
6	Annexure – C
7	Construction of Methodology to lay Electrical Power supply line across NH – 5
8	Route map showing Electrical power supply line across NH-5
9	Cross section of the Electrical power supply line across NH – 5
10	Check list for getting approval for laying of Electrical power supply line across NH – 5


Divisional Electrical Engineer
Operation, Town-II, APSPDCL, GUNTUR.



BRIEF NOTE FOR LAYING OVER HEAD ELECTRIC LINE ACROSS NH – 5 LAND

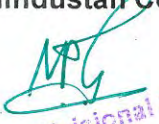
NAME OF WORK: - Proposal to lay a over head Electrical line Crossing by M+12 Towers from RHS to LHS @ KM of 1107/050 Vijayawada-Chennai section of NH-5.

M/s. Hindustan Coca-Cola Beverages Pvt Ltd., is located near Atmakuru village on Tenali road on east side of NH-16. HCCBPL is the largest bottling partner of The Coca-Cola Company in India. It is a part of The Coca-Cola Company's Bottling Investments Group (BIG) and responsible for the manufacture, package, sale and distribution of Beverages Pvt. Ltd. has focused on building world class operations based on principles of safety, profitability and solid governance to claim sustained growth. As part of journey of moving towards being a world class company, Market Execution, People, Processes, Compliance, Governance and Route-to-Market. This approach has enabled them to build their portfolio through **launching new packs and brands**.

As per the power supply feasibility survey conducted by us we have suggested one power supply point of 33 KV Tadepalli Sub Station. The Electrical consumption of Hindustan coca cola shall be met from the above Sub Station which is nearby their premises with a dedicated 33KV feeder.

The Tadepalli Substation line to the western side of NH-16 @1.50km and Hindustan Coca Cola Company is located at the eastern side of NH-16 @ 5.5km at Atmakuru village in Tenali road. As such we have to lay this power supply line across NH-5, appropriately cross the highway @ KM 1107/050 and enter **Hindustan Coca-Cola Beverages Pvt Ltd** site. Except this there is no other way to lay the power supply line to the **Hindustan Coca-Cola Beverages Pvt Ltd**.

In the view of the necessity, stated above it is requested to accord permission to cross the 33 KV Electric line across the NH-5 land @ KM 1107/050 . This may be treated on priority, as the present Electric power needs of **Hindustan Coca-Cola Beverages Pvt Ltd**. And additional power is requested for the medical college and hospital of **Hindustan Coca-Cola Beverages Pvt Ltd**.


Divisional Electrical Engineer
Operation, Town-II, APSDCL, GUNTUR.



The crossing of electric line is ensured through over head line crossing by M+12 type Tower with 100 sqmm AAA conductor with No. 8 G.I. wired guarding under the line.

Hence, kindly accord the permission to lay electric supply line across the National Highway 5 as shown in plan enclosed.


Divisional Electrical Engineer
Operation, Town-II, APSDCL, GUNTUR.



ANNEUXRE – “B”

**INFORMATION TO BE FURNISHED ALONG WITH THE PROPOSAL TO LAY OF
ELECTRICAL POWER SUPPLY LINE ACROSS NH – 16 LAND**

Name of work: Proposal to lay a over head Electrical line crossing by M+12 type Towers from RHS to LHS @Km 1107/050 of NH16.

1.	Exact Location of starting to lay overhead line with chainage details. The National highway and right of way NHA1 at crossing point.	Crossing @ 1107/050 of NH16 from RHS to LHS on Kolkata-Chennai section of NH-16.
2.	Exact location of Electrical overhead line crossing with chainage detail. The National Highway and Right of Way of NHA1 at crossing point	Crossing @ 1107/050 of NH16 from RHS to LHS on Kolkata-Chennai section of NH-16.
3.	Exact location of end point of Electrical power supply line with chainage. The National Highway and Right of Way of NHA1 at crossing point.	Crossing @ 1107/050 of NH16 from RHS to LHS on Kolkata-Chennai section of NH-16.
4.	Table showing distance of tower and ROW from centerline of highway (minimum distance of cable line from edge of ROW edge)	Drawings statement for cross section elevation of tower showing the location enclosed.
5.	Methodology of crossing in NH/Express Highway by trench less technique	Enclosed for over head M+12 type tower.
6.	Crossing details: plan and cross section drawing showing depth of crossing at a minimum Mt. from existing ground with sealing end of pipe.	Enclosed
7.	Route index plan along with highway showing following Existing ROW of NHA1 / NH in Blue colour cable / ON line in magenta color	Marked in drawing Marked in drawing
8.	Undertaking that licensee shall take care of existing service line that has been laid.	Yes – enclosed.


Divisional Electrical Engineer
Operation, Town-II, APSPDCL, GUNTUR.



CHECK – LIST

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

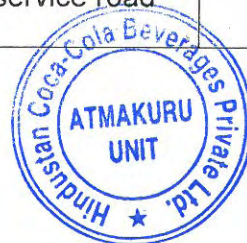
Relevant Circulars

- 1) Ministry Circular No.RW/NH-33044/29/2015 S&R(R) dated 22.11.2016

Check list for obtaining approval for laying of Electrical Line on NH land

S.No.	Item	Information/Status	Remarks
1.	General Information		
1.1	Name and Address of the Applicant/ Agency	M/s Hindustan Coca-Cola Beverages Pvt Ltd.	
1.2	National Highway Number	16 (Old NH5)	
1.3	State	Andhra Pradesh	
1.4	Location	Atmakuru	
1.5	(Chainage in Km)	Km1107/050	
1.6	Length in Meters	46.0+64.0=110.0m	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/Km direction	46.0m	
	(b) Right side from center line towards increasing chainage/Km direction	64.0m	
1.8	Proposal to lay over head electrical line		
	(a) Left side from center line towards increasing chainage/Km direction	NA (Only road crossings)	
	(b) Right side from center line towards increasing chainage/Km direction	NA (Only road crossings)	
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired	NA	
	If not then where to lay the cable	Crossing by over head method @ Km 1107/050	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of lanes (2/4/6/8 lanes) existing	6 Lanes	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	NA	
1.14	Service road existing or not	YES	
	If yes then which side	31.10 mt.	
	(a) Left side from center line		
	(b) Right side from Center line	33.70 mt.	
1.15	Proposed Service road	NA	
	(a) Left side from center line		
	(b) Right side from center line		
1.16	Whether proposal to lay Electrical line is after the service road or between the service road	After service road	


 Divisional Electrical Engineer
 Operation, Town-II, APSPDCL, GUNTUR.





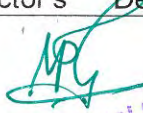
	and main carriage way		
1.17	Whether carrying of sewage/gas pipe line has been propsoed on highway Bridges. If Yes, the mention the methodology proposed for the same	NO	
1.18	Whether carrying of sewage/gas pipe line has been propsoed on parapet/any part of the bridges. If Yes, the mention the methodology proposed for the same	NO	
1.19	If crossings of the road involved If Yes, it shall be either encased in pipes or through structure or conduits specially built for that purpose at the expenses of the agency owning the line.	Yes @ Km 1107/050 Through structure (over head M+12 type Towers)	
	a) Whether existing drainage structure allowed to carry utility pipeline.	NA	
	b) Is it on a line normal to NH	Yes	
	c) What is the distance of crossing the electrical lane from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	More than 15.0m	
	d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable. Mention type of casing.	Proposed is overhead M+12 type tower as per drawing enclosed	
	e) Ends of the casing / conduit pipe / tower foundation shall be sealed from the outside, so that it does not act as a drainage path.	YES	
	f) The casing / conduit pipe should, as minimum extend from drain to drain in cuts and toe of slop toe of slope in the fills.	YES	
	g) The top of the casing/conduit pipe / tower foundation should be at least 1.2 meter below the surface of the road subject to bring atleast 0.3 m below the drain inverts.	YES	
	h) Mention the methodology propseod for crossing of road for the proposed Water pipe line. Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Proposed is overhead M+12 type tower as per drawing enclosed	
	i) The casing / Conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the	YES	

ME
Divisional Electrical Engineer
Operation, Town-II, APSDCL, GUNTUR.



Prady

	formation of a waterway along it.		
2	Document / drawing enclosed with the proposal	Enclosed	
2.1	Cross section showing the size of the trench for open trenching method. (Is it normal size of 1.2m deepX0.3 wide) i) Should not be greater than 60 cm wider than the outer diameter of the pipe. ii) Located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-line of the nearest carriageway iii) shall not be permitted to run along the National highway when the road formation is situated in double cutting, Nor shall these be laid over the existing culverts and bridges. iv) These should be so laid that their top is atleast 0.6 meter below the ground level so as not to obstruct drainage f the road land.	Drawing enclosed	
2.2	Cross section showing the size of pit and location of pipe line for HDD method.	Drawing Enclosed	
2.3	Strip plan / Route plan showing the utility /Gas pipe line. chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drawings work etc.	Enclosed	
2.4	Methodology for laying of utility pipe line	Enclosed	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type. If yes, methodology of refilling of trench.	Over head tower type	
	(a) The trench width should be atleast 30 cm but not more than 60cm wider than the outer diameter of the pipe.	Over head tower type	
	(b) For filling of the trench, bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by replaced by selected material	Back filling as per drawing	
	(c) The backfill shall be completed in two stages (1) side-fill to the elvel fo the top of the pipe and (ii) overfill to the bottom of the road crust.	Back filling as per drawing	
	d) The side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be	NA	

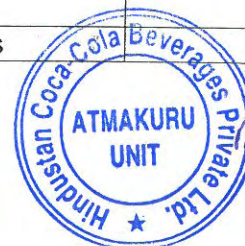

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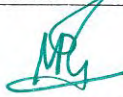
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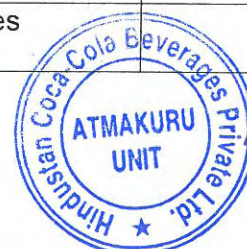
	compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.		
	e) The road crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench	NA	
	f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	NA	
	g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	
2.4.2	Horizontal Directional Drilling (HDD) method.	M+12 type tower proposed	
2.4.3	Methodology for laying of Pipe Line through CD works and method of Laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	M+12 type tower proposed	
3	Draft License agreement signed by two witnesses.	YES	
3.1	The License fee estimate as per Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016	YES	
4	Whether Performance Bank Guarantee as Ministry's guidelines issued vide circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 is obtained.	An undertaking given by the agency towards Performance Bank Guarantee as per extant norms MoRTH per each crossing as demanded by NHAI/MoRTH.	
4.1	Confirmation of BG has been obtained or not as per MoRTH/NHAI guidelines.	Yes	
5	Affidavit / undertaking from the Applicant for the following is to be furnished		
5.1	Undertaking for not to Damage any other utility. If damaged then to pay the losses either to NHAI or to the concerned agency.	YES	
5.2	Undertaking for Renewal of Bank Guarantee as and when asked by MoRTH/NHAI.	YES	
5.3	Undertaking for Confirming all standard conditions of Ministry Circulars and NHAI's guideline	YES	
5.4	Undertaking for Indemnity against all damages and claims.	YES	
5.5	Undertaking for management of traffic movement during laying of utility line without hampering the traffic.	YES	
5.6	Undertaking that if any claim is raised by the	Yes	


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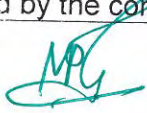


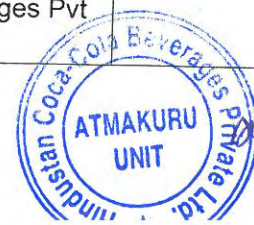
	concessionaire/contractor then the same has to be paid by the applicant.		
5.7	Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of the installation, shifting or repairs or alterations to the utility located in the National Highway right of ways.	Yes	
5.8	Undertaking that expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the utility line will be borne by the applicant agency owning the line.	Yes	
5.9	Undertaking that text of the license deed is as per verbatim of MoRTH format (issued vide Ministry's Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.	Yes	
5.10	Undertaking that the applicant has obtained various safety clearances from the representative authorities such as Directorate of Electricity, Chief controller of Explosives, Petroleum and Explosive Safety Organisation, Oil Industry Safety Directorate, State/Central Pollution Control Board and any other statutory clearances applicable before applying to Highway Administration.	Yes	
5.11	If the MoRTH/NHAI considers it necessary in future to move the utility line for any work for improvement or repairs to the road it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes	
5.12	Certificate from the applicant in the following format i) Laying of over head electrical line will not have any deleterious effects on any of the bridge components and roadway safety for traffic. ii) for 6 laning "we do undertake that I will relocate services road / approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six laning or any other development.	Yes, Enclosed	
6	Who will sign the agreement on behalf of over head electrical line agency	M/s Hindustan Coca-Cola Beverages Pvt Ltd., Atmakuru	
	Power of Attorney to sign the agreement is available or not		
7	The Project Director, will submit the following Certificates.		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular	Yes	


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	No.NH-41 (58)/68 dated 31.01.1969, Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.		
7.2	Certificate from PD in the following format (i) " It is certified that any other location of the Water Supply pipe line would be extremely difficult and unreasonable costly and the installation of Water Supply pipe 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".	Yes Certificate enclosed.	
	(ii) for 6-lanning (a) Where feasibility is available " I do certify that there will be no hindrance to proposed six-lanning based on the feasibilityreport considering proposed structures at the said location". (b) In case feasibility report is not available " I do certify that sufficient ROW is available at site for accommodation proposed six-laning".	---	
8.	If NH section proposed to be taken up by NHAI on BOT basis – s cause in para 9 to be inserted in the agreement. "The permitted Highway on which license has been granted as a right to lay cable / duct, has also been granted as a right of the way to be concessional under the concession agreement for up-gradation Kolkata-Chennai section from Km 1182/802 to Km 1356/547 of NH No. 16 on build, operate and transfer basis] and therefore, the license shall honor the same".	Yes Inserted	
9	Who will supervise the work of laying of Water pipe line.		
	(a) On behalf of the Applicant	M/s Hindustan Coca-Cola Beverages Pvt Ltd.	
	(b) On bealf of NHAI	Supervision Consultant	
10	Who will ensure that the defects in road portion after laying of over Head electrical line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	M/s Hindustan Coca-Cola Beverages Pvt Ltd.	
	(b) On bealf of NHAI	Supervision Consultant	
11	Who will pay the claims for damages done / disruption in working of concessionalre if asked by the concessionalre	M/s Hindustan Coca-Cola Beverages Pvt Ltd.	


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12	A certificate from Project Director that he will enter the proposed permission in the register of records of the permission in the prescribed proforma (copy enclosed).	Yes	
13	If any previous approval is accorded for laying of over head electrical line then photocopy of register of records of permissions accorded as maintained by Project Director may be enclosed.	Yes	



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[Name, Designation and signature
of the authorised representative of
applicant]



Project Director,
NHAI, PIU, AMARAVATI

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



CERTIFICATE

1. Undersigned has examined the proposal of the applicant for laying of over head electrical line (33KVA) by M+12 Towers confirm that the all the standard conditions are satisfied issued Ministry Circular No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016.
2. It is certified that any other location of utility line would be extremely difficult and unreasonably 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/forewarn the BG for claims for damages done/disruption in working, if any.
5. I will ensure that proposed permission is entered in 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 authority of
NHAI/PWD/BRO]

*Project Director,
NHAI, PIU, AMARAVATI*

METHODOLOGY OF ELECTRICAL ROAD CROSSING @Km 1107/050 of NH16

- 1) The road crossing shall be done with overhead lines by erecting 2 Nos. of M type towers on both sides of the NH-5 at Km 1107/050. The tower section shall be constructed with 50 x 50 x 6 mm G.I. angles as shown in drawing enclosed.
- 2) The foundations of the tower shall be constructed with RC C M 25 to a depth of 3.50 Mtr from the existing ground level.
- 3) The foundations shall be constructed on the edge of the ROW of NH-5 or as specified by the National Highway Authorities.
- 4) The tower height shall be maintained so as to maintain a vertical clearance of 12.50 Mtr from the finished road top.
- 5) Guarding shall be provided below the overhead lines so as to avoid any hazard to the road users during the damage of the lines if any in future.
- 6) First the foundations shall be laid by embedding the stubs in the foundation concrete until the curing time of 14 days from the concrete casting.
- 7) The remaining tower portions above the foundation shall erected on the same day on both sides of NH-5.
- 8) Safety measures shall be implemented during the conductor stringing work across the Highway as per the guidelines of NHAI authorities.
- 9) All the materials used in the work shall be as per the standards of APSPDCL and the work shall be carried out by the approved vendor of the APSPDCL.



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ANNEXURE – C

Conditions to be enclosed / incorporated in the approval letter for permission for laying of over head electrical line.

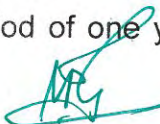
1. The over head electrical line shall be located as closed to the extreme edge of the right – of – way as possible but not less than 15 meter from the center – lines of the nearest carriage way.
2. The over head electrical line shall not be permitted to ran along the National Highway when the road formation is situated in double cutting. Nor shall these be laid over the existing culverts and bridges without the prior approval of NHAI / Government of India.
3. The over head electrical line shall be so placed that at no time there is interference with the maintenance of the road land.
4. Over head tower will be laid foundation and should be so laid that their foundation top is at least 0.6 meter below the ground level so as not to obstruct drainage of the road land and electrical lines should have at least 32.5 meters vertical clearance from RCL.
5. The authority / owner of the underground / over head lines utility shall ensure that laying an electric cable carrying high tension lines should not have any deleterious effects on any of the bridges components and roadway safety for traffic.
6. The lines shall cross the National highway preferably on a line normal to it or as nearly so as to practicable.
7. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.
8. The over head electrical line is permitted to cross the National Highway, either encased in pipes or through structure of conduits specially built for that purpose at the expense of the agency owning the line, existing drainage structures shall not be allowed to carry the line across.
9. The foundations structure of towers carryi8ng the over head electrical line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / over head lines.

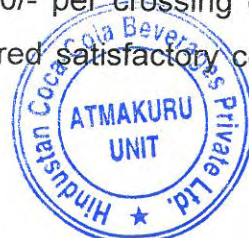


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10. The tower structure should be as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.
11. The top of the tower structure foundations should be at least 1.2 mteter below the surface of the road subject to being at least 0.3 m below the drain inverts.
12. The tower structure may be installed with suitable G.I. angles (50 x 50 x 6 mm) with proper bolting / riveting as per the drawing.
13. The M + 12 type tower should be provided with G.I. guarding and in such a manner as to prevent the accidents.
14. The excavation shall be protected by flagman, and signs and barricades, and red lights during night hours.
15. If needed, a diversion shall be constructed at the expense of agency owning the over head electrical line.
16. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the over head electrical line located in the National Highway right-of-ways.
17. Expenditure, if any, incurred by Highway authority for repairing any damage caused to the National Highway by laying, maintenance or shifting of the over head electrical line will be borne by the agency owning the over head electrical line.
18. If the NHAI consider it necessary in future to move the over head electrical line for any work of improvement of repairs to the roead, it will be carried out as desired by the Highway Authority at the cost of the agency owning the over head electrical line within a reasonable time (not exceeding 60 days) f the intimation given.
19. The licensee shall ensure making good the excavated trench for foundation towers roper filling and compaction, so as to restore the land in to the same conditions as it was before rigging the trench, clearing debris / loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way.
20. The licensee shall furnish a bank guarantee to the NHAI @ R.100/- per running meter (parallel to NH) and Rs.1,00,000/- per crossing of NH, for a period of one year initially (extendable of required satisfactory completion of


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- work) as a security for ensuring / making good the excavated trench for laying the cable / over head tower proper filling and compaction, clearing debris / loose earth produced due to execution of trenching at least 50 m away from the edge of the right of way, No payment shall be payable by the NHAI to the licensee for clearing debris / loose earth.
21. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, within period of 11 months from the date of issue of the bank guarantee, the licensee shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of the licensee failing to discharge the obligation of making good the excavated trench, the NHAI shall have a right to make good damages caused by excavation, at the cost of the licensee and recover the amount by involving the bank guarantee furnished by the licensee.
22. The licensee shall the shift the cables / ducts within 60 days (or as specified by the respective agency/ owner) from the date of issue of the notice by the NHAI, Govt. of India to shift / relocate the cables / ducts / towers. In case it is required for the purpose of improvement / widening fo the road / route / highway or construction of flyover / bridges and restore the road / land to its original condition at his own cost and risk.
23. Regarding the location of the other overhead lines, tower type installation / utilities etc. the license shall be responsible to ascertain from the respective agency in coordination with NHAI. The license shall ensure the safety and security of already existing overhead lines / tower type installation /. Utilities facilities etc. before commencement of the excavation.
24. The license shall be solely responsible / liable for full compensation / indemnification of concerned agency / aggrieved owner for any direct, indirect or consequential damage caused to them / claims or replacement sought, for at the cost and risk of the license. The concerned agency in co-ordination with NHAI shall also have a right to make good such damages / recover the claims by way of invoking of Bank Guarantee furnished by the license.


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25. If the license fails to comply with the condition 22 and 23 above to the satisfaction of the NHAI, the same shall be got executed by the NHAI at the risk and cost of the license.
26. The license shall procure insurance from reputed insurance company against damages to already existing cables / underground installation / utilities / facilities etc. during trenching.
27. The license has to cross the NH by M-12 type tower method. In case any damage is caused to the road pavement in this process, the license will be required to restore the same to the original condition at his own cost.
28. No trenching will be done on pucca road, boring method will be used in pucca road and cable / over load towers will be laid at the extreme edge of the road in the non BT surface only.
29. The license shall inform / give a notice to the NHAI, Govt. of India or its authorized agency at least 15 days in advance with route details prior to digging trenches for fresh or maintenance / repair work. A separate work plan and a separate performance Bank Guarantee @ Rs.100/- per meter length for maintenance / repair work shall have to be furnished by the license.
30. Each day, the extent of digging the trenches should be strictly regulated so that cables are laid and trenches filled up before the close of the work that day, filling should be completed to the satisfaction of the concerned agency designated by the NHAI.
31. The license shall indemnify the concerned agency in co-ordination with NHAI, against all damages and claims, if any, due to the digging or trenches for laying cables / ducts over load tower with its foundations.
32. The NHAI has a right to terminate the permission or to extend the period of agreement. In case the license wants shifting, repairs or alteration to cables / ducts / over load towers / he will have to furnish a separate bank guarantee.
33. The license shall not without prior permission in writing from the NHAI Govt. of India, or its authorized agency undertake any work of shifting, repairs or alterations to the said cables / ducts / over head towers.

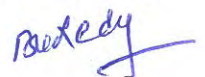

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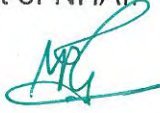
34. The permission granted shall not in any way be deemed to convey to the license any ownership right or any interest in route / high way / land / property, other than what is herein expressly granted.
35. During the subsistence of the agreement, the laying over head electrical line / ducts located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the NHAI so that the right of the license to the use thereof shall not become absolute and indefeasible by lapse of time.
36. The license shall bear the stamp duty charged for the agreement.
37. The over head electrical lines shall not be brought into use by the license unless a completion certificate to the effect that the laying over head electrical lines has been laid in accordance with the approved specifications and drawing and the trenches have been filled up to the satisfactions of the concerned agency in co-ordination with the owner has been obtained.
38. Notwithstanding anything NHAI contained herein this agreement may be cancelled at any time by the or breach of any condition of the same and the license shall neither be entitled to any compensation for any loss caused to it by such cancellation nor shall it be absolved from any liability already incurred.
39. The license shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance.
40. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of license.
41. After the termination / expiry of the agreement, the license shall remove the cables / ducts / towers within 6- days and the site shall be brought back to the original condition failing which the license will lose the right to remove the cables / ducts / towers. However, before taking up the work of removal of cables the license shall furnish a bank guarantee to the owner for a period of one year fro an amount assessed by the owner for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching atleast 50m away frm the edge of the right of way.


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42. If NHAI is required to do some emergent work the license will provide an observer within 24 hours. NHAI will not be responsible for any damage of any kind by whatsoever means natural or otherwise.
43. The enforceability fo the right – of way permission granted here in shall be restricted to the extent of provisions / scope of service contained / defined in the license agreement and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right o f way facility is not to enhance the scope.
44. Strict compliance of the following by the Project Director :
- i. If the license fails to informs the commencement of laying of over head electrical line 15 days before the actual start of the work at the site the agreement should be null and void.
 - ii. It is to be intimated to the HQ that, actual work has already been started at the site as per the provision of the agreement and the conditions stipulated in the Ministry Circular nO. NH-II/p/66/76 dated 19.11.1976, Ministry Circular No. RW/NH-III/P/66.76 dated 11.05.1982 and Ministry Circular No. RW/NH-11037/1/86/001 dated 19.01.1995.
 - iii. An interim execution progress report / status report shall be submitted to NHAI HQ after one month fo the start of the work at site, regarding the satisfactory progress of the laying of over head electrical line, as per the specification / stipulation and the alignment as approved.
 - iv. The final completion certificate shall be issued / submitted by PD to the HQ to the effect that, the work has been completed to the entire satisfaction of the Project Director and there were no violation of any condition / stipulation contained in the agreement, Ministry Circular No. NH-III/P/66/76 dated 18.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.05.1982 and Ministry Circular No. PW/NH-110371/1/86/001 dated 18.1.1995 and the approved plan.
 - v. To obtain a performance bank guarantee of Rs..100/- per running meter of NH and Rs.1,00,000/- per crossing of NH from the license to safe guard the interest of NHAI.


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- vi. Proposed for permission along NH section which are proposed to be taken up NHAI for development through private sector participation or BQT basis, following clause should be inserted in the agreement.

"The permitted Highway on which license has been granted the right to lay overhead line has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of Kolkata – Chennai section and therefore, the license shall honour the same. "

- vii. A registry of records of the permissions accorded has to be maintained by the PD in the prescribed proforma (copy enclosed).
- viii. Project Director is authorized to sign an agreement (IN ACCORDANCE WITH THE MODEL AGREEMENT) with the applicant, on behalf of NHAI.


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CATION REPORT

Specification report to accompanying the estimate towards "License fee" for laying of over head electrical line (33KVA) by M+12 Towers to cross the NH16 road from LHS to RHS at Km 1107/050 of NH16 (Old NH5) on Kolkata-Chennai Section at Atmakuru Village, Mangalagiri Mandal, Guntur District in the state of Andhra Pradesh of NH16 Land by M/s Hindustan Coca-Cola Beverages Pvt Ltd.

The Factory Manager, M/s Hindustan Coca-Cola Beverages Pvt Ltd, have requested to grant permission for laying of over head electrical line (33KVA) by M+12 Towers to cross the NH16 road from LHS to RHS at Km 1107/050 of NH16 (Old NH5) on Kolkata-Chennai Section at Atmakuru Village, Mangalagiri Mandal, Guntur District in the state of Andhra Pradesh of NH16 Land.

The rate of land abutting NH/SH/ZPP/MPP obtained from the website of Registration and stamps department of Government of Andhra Pradesh is used for calculation of License fee. The list of villages falling in the proposed stretch of road with relevant, corresponding chainges and breakup of Village wise land rates are as follows.

S.No	Name of the Village	Chainage		Length in mtr	Rate of Land abutting NH	
		from	to		Per Acre	Per Sq.m
1	Atmakur Village, Mangalagir Mandal, Guntur District, A.P.,	1107/050	1107/075	110.0	2,66,20,000	6,580.00

The land rate corresponding to the chainges is used for calculating License Fee.

LICENSE FEE CHARGES

S.No	Description	Measurements in mtrs			Quantity in Sq.m	Rate/Sq .m	Amount in Rs.
		L	B	D			
1	From Km 1107/050 to 1107/075 (Crossing only)	2.5	2.5	-	6.25+12.0 (Projection of Utility) =18.25	6,580	1,20,085.00
Total Amount							1,20,085.00

$$\text{License Fee (Rs/Sq.m/Month)} = \frac{1,20,085.00}{10 \times 12} = \text{Rs } 1,000.70/\text{Month}$$

$$\text{License Fee for 5 Years} = 5 \times 12 \times 1,000.70 = \text{Rs. } 60,042.00 \text{ (for Industrial Utilities)}$$

(Rupees Sixty Thousand Forty Two Only)

✓ J. J. Val
Project Director,
NHAI, PIU, AMARAVATI

Project Director
NHAI, PIU, Amaravati

PERFORMANCE OF BANK GURANTEE

S.No	Description	Measurements in mtrs			Length in mtrs	Rate /RM	Amount in Rs
		L	B	D			
1	From Km 1107/050 to 1107/075 (Crossing only)	110.0	-	-	110.0	100	11,000
Performance of Bank Guarantee							11,000

(Rupees Eleven Thousand Only)

Hence the license fee estimate is prepared as per the MORTH Circular No. RW/NH/33044/29/2015/S&R (R) dated 22.11.2016.


Project Director,
NHAI, PIU, AMARAVATI

Project Director
NHAI, PIU, Amaravati