भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Government of India)
क्षेत्रीय कार्यालय, मदुरै / Regional Office, Madurai
दूसरा व तीसरा तल, विजय कृष्ण प्लाज़ा, संख्या-1, लेक एरिया, मेलूर मेन रोड, माट्टुतावनी, मदुरै- 625 107
2nd & 3rd Floor, Vijay Krishna Plaza, No.1, Lake Area, Melur Main Road, Mattuthavani, Madurai-625 107
दूरभाष/ Tele : +91-452-258 8999 वेब /Website : www.nhai.gov.in ई-मेल/ E-mail : romadurai@nhai.org

सत्यमेव जयते

NHAI/15018/3.7/02/2024/RO Madurai/ E:256618/1260

28th August, 2024

INVITATION OF PUBLIC COMMENTS

विषय: भाराराप्रा - क्षे.का. मदुरै- पकाई, तूतीकोरिन - Four laning of Tuticorin -Tirunelveli section from Km 0/000 to Km 47/250 of NH-7A(New NH 138) - Proposal for erection of 22KV electrical lines with 12 Nos. of poles along the road in Km 19/100 to Km 19/510(RHS) and across the road @ Km 19/100 of NH-138 - **Invitation of Public Comments - Reg.**

प्रसंग: PD, Tuticorin Lr. No. 11012/NHAI/PIU/TUT/AAI/2024/590 dated 30.07.2024.

The proposal received from PD, Tuticorin Lr. No. 11012/NHAI/PIU/TUT/AAI/2024/590 dated 30.07.2024 there by requesting Permission for erection of 22KV electrical lines with 12 Nos. of poles along the road in Km 19/100 to Km 19/510(RHS) and across the road @ Km 19/100 of NH-138 as per proposal submitted by General Manager, Airport Authority of India.

Accordingly, as per Policy Guidelines issued by Ministry vide letter No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the application is being uploaded on 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, comments of the public on the above proposal is invited to the below mentioned address:

Regional Officer,
National Highways Authority of India,
No.2nd & 3rd Floor, Vijay Krishna Plaza,
No.1, Lake Area, Melur Main Road, Mattuthavani,
Madurai - 625 007.

भवदीय

C. Rahul

(सी.राहुल|C.Raghul)
प्रबंधक (तक) |Manager (Tech)
क्षे.का. मदुरै |RO-Madurai

संलग्न: As above
प्रतिलिपि:

1. The NIC, New Delhi - for uploading in the Ministry's website.
2. The PD, Tuticorin - for information.

List of Correspondences

Receipt No. / Issue No.	Subject	Type	Marked As	Attached On	Issued On	Pages	Remarks
1026292/2024/PIU - TUTICORIN	airport proposal	Receipt		31/07/2024 11:50 AM		1-66	for submission

ORIGINAL COPY

PROPOSAL FOR ERECTION OF 22KV ELECTRICAL LINES WITH 12 NOS.OF POLES ALONG THE ROAD FROM KM.19/100 TO KM.19/510 (RHS) AND ACROSS @ KM.19/100 IN NATIONAL HIGHWAY NO. 138 OF (TUTICORIN TO TIRUNELVELI SECTION) FOR A TOTAL LENGTH OF 454M (ALONG LENGTH=410M & ACROSS LENGTH=44M) BY OVERHEAD & HDD METHOD

SUBMITTED TO

THE DGM (TECH) & PROJECT DIRECTOR
NATIONAL HIGHWAYS AUTHORITY OF INDIA
No. 2/273, 1st Floor, P.S.P. Nagar 2nd Street,
Korampallam, Thoothukudi - 628 101,
Tamil Nadu.

HIGHWAYADMINISTRATION

THE REGIONAL OFFICER
NATIONAL HIGHWAYS AUTHORITY OF INDIA
'REGIONAL OFFICE'
2nd& 3rd Floor, Vijaya Krishna Plaza,
No.1, Lake Area, Melur Main Road,
Mattuthavani, Madurai - 625 107.

APPLICANT

AIRPORT AUTHORITY OF INDIA,
Tuticorin Airport,
Tuticorin.

PROPOSAL PREAPRED BY

M M CONSULTANCY
No.: 40, 2nd Floor, Bharathi Street,
Veerappan Chatiram (Post), Erode - 638 004.
Mob.: 09787545861, 6381022913.
e-mail:mmconsultancyerode@gmail.com.

From:

V.S.Krishnan,
General Manager(Engg.),
Airport Authority of India,
Tuticorin Airport,
Tuticorin.

To

The Project Director,
National Highways Authority of India,
Project Implementation Unit,
Tuticorin.

Sir,

Sub: Proposal for erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method in National Highway No. 138 of (Tuticorin to Tirunelveli section), Tamil Nadu State - Proposal submitted - Observations communicated - Submission of Revised Proposal - Regarding.

Ref: 1. Our Office Letter dated:18.06.2024.
2. NHAI, PIU, Tuticorin Ref:11012/NHAI/PIU/TUT/AAI/2023/491, dt:02.07.2024.

****

In advert to the reference 1st & 2nd cited, we herewith submit the revised proposal seeking permission for erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method in National Highway No.138 of (Tuticorin to Tirunelveli section), in accordance with MoRT&H Circular dated:22.11.2016, by duly incorporating the observations communicated in the reference 2nd cited and based on the minutes of meeting held on 02.07.2024 at NHAI, PIU, Tuticorin.

In view of the above, I hereby request that necessary permission may kindly be accorded so as to enable to us for erection of 22KV electrical Lines with Poles along / across the NH Road in the aforesaid locations and the restoration charges if any, may please be intimated to the above address for making payment.

Thanking You,

Yours faithfully,

Encl: 5 Nos. of proposal (2 in Original + 3 in Duplicate).

(V.S.Krishnan)
General Manager(Engg),
AAI, Tuticorin.

वी. एस. कृष्णन / V. S. KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
तूतीकोरिन / Tuticorin-628 103

Application Details [20240718/1/11/14933/9263]	
Highway	NH7A [NH7A]
Name of Highway Authority	
Highway Administration Address	
Whether the Fuel Station is part of Rest-area complex	No
Name of Applicant/Oil Company	SARAVANAN C Address: FIRST FLOOR WATER CANAL ROAD SANTHOSH NAGAR KORATTUR CHENNAI, TIRUVALLUR (TAMIL NADU), PIN: 600076 Phn: 6381022913 Email: mmconsultancyproposal@gmail.com
Application Category	Public Utility
Utility	Other Power Cable
State	TAMIL NADU
Type	New
Remarks	ERECTION OF 22KV ELECTRICAL LINES WITH 12 NOS.OF POLES ALONG THE ROAD FROM KM.19/100 TO KM.19/510 (RHS) AND ACROSS @ KM.19/100 IN NATIONAL HIGHWAY NO. 138 OF (TUTICORIN TO TIRUNELVELI SECTION) FOR A TOTAL LENGTH OF 454M (ALONG LENGTH=410M & ACROSS LENGTH=44M) BY OVERHEAD & HDD METHOD
Submitted On	18 Jul 2024 19:28:34

Details		
1. Length in Meters *		454 Meters
2. Width of available ROW		
I. Left side from center line towards increasing chainage OR km direction *		22.50 Mtr
II. Right side from center line towards increasing chainage OR km direction *		22.50 Mtr
3. Proposal to lay the utility		
I. Left side from center line towards increasing chainage OR km direction *		0
II. Right side from center line towards increasing chainage OR km direction *		21.50 Mtr from the centre of ROW
4. Proposal to acquire the land		
I. Left side from center line *		NA
II. Right side from center line *		NA
5. Whether proposal is in the same side where land is not to be acquired *		No
If not then where to lay the cable *		NA
6. Details of already laid services if any along the proposed route *		NIL
7. Number of Existing lanes *		4 Lane
8. Proposed number of lanes *		4 Lane
9. Service road Exists *		Yes
10. Proposed Service road		
Left side from center line		NA
Right side from center line		NA
11. Whether proposal to lay cable is after the service road or between the service road and main carriageway *		The pole shall be laid at the extreme edge of ROW.

12. Whether carrying OFC Cable has been proposed on highway /bridges, If yes then mention the methodology proposed for the same *		The pole shall be laid at the extreme edge of ROW.
13. Is crossing of the road involved? If Yes, is shall be either encased in pipes or through structure of conduits specially built for the purpose at the expense of the agency owing the line *		Yes, crossings of the road by Using HDD method
I. Whether the existing drainage structures are allowed to carry utility pipeline. *		Yes, Crossing will be laid 15m away from the structure
II. Is it on a line normal to NH? *		Yes
III. What is the distance of crossing the utility pipelines from the existing structure? Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 mtrs. *		15.00
IV. The casing pipe (or conduit pipe in the case of electric cable) line carrying the utility line shall be of steel, cast iron or reinforced concrete and have adequate strength and be large enough to permit ready withdrawal of carrier pipe/cable Mention type of casting. *		Yes, using 200mm Dia HDPE pipe
V. Ends of the casing/conduit pipe shall be sealed from outside, so that is does not act as a drainage path *		YES
VI. The casing/conduit pipe should be as minimum extend from drain in cuts toe of slope in fills. *		YES
VII. The installation of Casing pipe shall be as per attachment-1 of Ministry's Guidelines dated 22.11.2016 *		Yes

VIII. Mention the methodology proposed for crossing of road for the proposed sewerage / gas pipeline crossing shall be boring method (HDD) (Trenchless Technology) specially where the existing road pavement is of cement concrete of dense bituminous concrete type. *		CROSSING HDD METHOD
14. Whether the proposal satisfies the following:		
I. Where the ROW is more than 45 M then the duct cable shall be laid at the edge of right of way within the utility corridor of 2 M width, duly keeping in view the future widening. *		YES
II. Where land is yet to be acquired for 4 laning and the position of new carriageway has been decided then the cable shall be laid at the edge of right of way within the utility corridor of 2 M width, on that side of existing carriageway where extra land is not proposed to be acquired for 4 laning. *		YES
III. Where the widening plan for 4 laning is not yet decided and available ROW is around 30 M or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5 M to 2m of utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans. *		YES
IV. Where ROW is restricted and adequate only to accommodate the carriageway, central verge, shoulders and drains (e.g. Highways in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain. *		YES

V. Where land strip for utility corridor can't be conveniently earmarked (available ROW restricted to the toe of the embankment) for laying of cable/ducts, the permission may be refused. *		YES
15. Document/Drawings enclosed with the proposal *		Yes
I. Cross section showing the size of trench for open trenching method (is it normal size of 1.2m (min.) deep x 0.3 wide) *		The pole shall be erect for overhead only
II. Cross section showing the size of pit and location of cable for HDD method *		The pole shall be erect for overhead only
III. Strip plan/ Route plan showing the OFC, Chainage width of ROW, distance of proposed, cable from the edge of ROW, important mile stone, intersections, cross drainage works etc. *		NA
IV. Methodology of laying of the Utility Pipeline/OFC *		22kv Over Head for providing uninterrupted power supply-construction of 22kv double circuit transmission line on double circuit tower from the proposed pooling substation
V. Open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type) If yes what is the Methodology of refilling of trench *		Crossing HDD method
(a) The trench width should be at least 30 cms but not more than 60 cms wider than the outer diameter of the pipe *		NA

(b) For filling of the trench, bedding shall be to a depth of not less than 30 cms. It shall consist of granular material, free of lumps, clods, cobbles and graded to yiled firm surface without sudden change in the bearing value, unsuitable soil and rock edges should be excavated and replaced by selected material *		NA
(c) The backfill shall be completed in two stages, i) Side fill to the level of the top of the pipe and ii) Overfill to the bottom of the road crust *		NA
(d) The side fill shall consist of granular material laid in 15 cms, layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor density. Overfill shall be compacted to the same density as the material that has been removed. *		NA
(e) The road crust shall be built to the same strength as existing 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 owing the utility line. *		NA
VI. Horizontal Directional Drilling (HDD) Method *		NA
VII. Laying OFC through CD Works and Method of laying (Whether to be hung outside parapet). *		NA
16. Draft license Agreement signed by two witnesses. *		YES SIGNED

I. The license fee estimate as per Ministry's guidelines issued vide circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016. *		YES
17. Whether Performance Bank Guarantee is as per Ministry's guidelines issued vide circular no. RW/NH/33044/29/2015/S&R, dated 22.11.2016. *		Yes
I. Confirmation of BG has been obtained as per MoRTH guidelines *		Yes
18. Affidavit/Undertaking from the Applicant for following is to be furnished		
a) Undertaking not to Damage to other utility, if damage then to pay the losses either to NHAI or the concerned agency. *		Yes
b) Undertaking Renewal of Bank Guarantee as and when asked by MoRTH. *		Yes
c) Undertaking Confirming all standard condition of Ministry's guidelines. *		Yes
d) Undertaking for indemnity against all damages and claims *		Yes
e) Undertaking for management of traffic movement during laying of utility line without hampering the traffic *		Yes
f) Undertaking that if any claim is raised by the concessionaire/ contractor then the same has to be paid by the applicant. *		Yes
g) Undertaking that prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alteration to the utility located in the National Highway Right of Ways. *		Yes

h) Undertaking that expenditure is any incurred by NHAI for repairing any damage cause to the NH by laying, maintenance of shifting of the utility line will be borne by the applicant agency owing the line. *		Yes
i) Undertaking that text of the license deal is as per verbatim of format issued by MoRTH vide circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016 *		Yes
j) Undertaking for shifting of utility as and when asked by MoRTH/ NHAI. *		Yes
k) Certificate from the applicant in the following format		
l) We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost not withstanding permission granted within such time us will be stipulated by NHAI for future six laning or/any other development		
19. Who will sign the agreement on behalf of Applicant agency? Power of Attorney to sign the agreement is available or not. *		General Manager(Engg.), AAI, Tuticorin.
20. The Power of Attorney is in favour of authorized signatory? *		Yes

Locations

Sno	State	District	Highway /Stretch	Start Point	End Point
1	TAMIL NADU	TUTICORIN	NH7A [NH7A] (0-47.20) From Km: 19.1 To Km: 19.51	Chainage Point: 19.1 Lat: 8.734 Lng: 78.006	Chainage Point: 19.51 Lat: 8.735 Lng: 78.001

Documents

Sno	Stage	Document	Mandatory	Action
1	Under Submission	Layout and Drawings	Yes	View
2	Under Submission	Any Other Supporting Document	No	--
3	Under Submission	Any Document to indicate commercial activities are allowed on the land.	No	--
4	Under Submission	Safety Clearance from Directorate of Electricity	No	--
5	Under Submission	Safety Clearance from Chief Controller of Explosives	No	--
6	Under Submission	Safety Clearance from Petroleum and Explosives Safety Organisation	No	--
7	Under Submission	Safety Clearance from Oil Industry Safety Directorate	No	--
8	Under Submission	Safety Clearance from State/Central Pollution Control Board	No	--
9	Under Submission	Any Other Statutory Clearance as applicable	No	--

Applicable Fee Details

Sno	Fee Head	Stage	Fee	Amount	Status
1	Utility Fees	Technical Approval	License Fees	50474.08	

Undertaking/Safety Certification on guarding

1. I/We undertake that the HT OH lines provided along the national highway are laid according to the relevant safety regulations and we shall provide suitable guarding in the section between km 19.230 to km 19.000 for preventing risk of live wires falling during strong coastal winds.

8/7/2024

Jt. General Manager(E-E)

AAI, Tuticorin

डब्ल्यू. फ्रांसिस जेवियर / W. FRANCIS XAVIER
संयुक्त महाप्रबंधक (अभि–विद्युत)
Jt. General Manager (Engg - Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
तूतीकोरिन / Tuticorin-628 103

8/7/2024

EXECUTIVE ENGINEER
RURAL / TANGEDCO
TUTICORIN - 628 002

Undertaking/Safety Certification on minimum horizontal clearence

1. I/We undertake that the proposed OH lines will be provided ensuring minimum horizontal clearance with existing lines as per relevant regulations.

8/8/24

Jt. General Manager(E-E)

AAI, Tuticorin

वि. फ्रांसिस जेवियर / W. FRANCIS XAVIER
संयुक्त महाप्रबंधक (अभि–विद्युत)
Jt. General Manager (Engg - Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
तूतीकोरिन / Tuticorin-628 103

8/8/2024

EXECUTIVE ENGINEER
RURAL / TANGEDCO
TUTICORIN - 628 002

Undertaking/Safety Certification on IOCL pipeline

1. I/We undertake that the erection of the poles shall not impact IOCL gas pipe line and operation of the overhead electric line does not pose any risk to the pipeline.

8/8/24

Jt. General Manager(E-E)

AAI, Tuticorin

वि. फ्रांसिस जेवियर / W. FRANCIS XAVIER
संयुक्त महाप्रबंधक (अभि-विद्युत)
Jt. General Manager (Engg - Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
तूतीकोरिन / Tuticorin-628 103

8/7/2024

EXECUTIVE ENGINEER
RURAL / TANGEDCO
TUTICORIN - 628 002

Bank Guarantee Charges to be collected for erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 in National Highway No. 138 of (Tuticorin to Tirunelveli section), Tamil Nadu State	
Cost of Bank Guarantee Along the Road @ Rs. 100/- per meter (410m x Rs. 100/-) Km.19/100 to Km.19/510 (RHS)	Rs. 41,000/-
Cost of Bank Guarantee Across the Road @ Rs. 1,00,000/-per crossing (1 x 1,00,000) Km.19/100	Rs.1,00,000/-
Bank Guarantee Charges	**Rs.1,41,000 /-**

वी. एस. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
तूतीकोरिन / Tuticorin 628 102

License fee to be collected for erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 in National Highway No. 138 of (Tuticorin to Tirunelveli section), Tamil Nadu State

Sl No	Description	Length in m	Width in m	Area occupied in Sqm	Guideline Value (Rs.) per Sqm	License Fees (Rs / sqm / month)
	A. Along the Road					
1	Vagaikulam Km.19/100 to Km.19/510 (RHS)	410	1	410.00	710.00	4366.50
	Sub Total - I	410.00		410.00		**4366.50**
	B. Across the Road					
1	Vagaikulam Km.18/910	44.00	0.4	17.60	710.00	187.44
	Sub Total - II	**44.00**		**17.60**		**187.44**
	C. Proposed Pole					
1	Vagaikulam- RSJ POLES (1 Nos)	1.5	1.5	2.25	710.00	23.96
1	Vagaikulam- Concrete poles (11 Nos)	1	1	1.00	710.00	117.15
	Sub Total - III	**1.00**		**1.00**		**141.11**
	Total Area to be utilised (Sub Total I + II + III)					**4695.05**
	Total License fee =Rs.4695.05 Annum Say Rs.10,000/-(minimum)					
	License For Public Utility for 1 Year					₹ 10,000.00
	License For Public Utility for 2 Year					₹ 10,600.00
	License For Public Utility for 3 Year					₹ 11,236.00
	License For Public Utility for 4 Year					₹ 11,910.16
	License For Public Utility for 5 Year					₹ 12,624.77
	Total License For Public Utility for 5 Year					₹ 56,370.93

वी. एस. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन / Tuticorin Airport
तूतीकोरिन-628 103

பதிவுத்துறை
REGISTRATION DEPARTMENT

For Complaints and Clarifications, please contact:
9498452110 / 9498452120 / 9498452130
(Monday to Friday 10 AM to 5.45 PM, excluding Government holidays)

For queries related to software, please contact:
1800 102 5174
(Monday to Friday 8 AM to 8 PM, Saturday 10 AM to 5 PM excluding Government holidays)

The information provided Online is updated and no physical visit is required for the Services provided Online.

GUIDELINE VALUE & PROPERTY VALUATION

Guideline Value relating to 2.19 lakhs streets and over 4.46 Crores Survey Numbers/Subdivision numbers are available on this site for query.

For Property Valuation, Click on the Street Name from the Street List, where the property is located.

From: 1-4-2023 To: Current Date

To know your Zone and District Click Here

View Guideline value for:

○ Street ◉ Survey Number ○ Composite Value

Select Criteria :

◉ Category Wise ○ Survey Number Wise

Zone:* Thirunelveli

Sub Registrar Office:* Ambasamudhiram

Registration Village:* Vagaikulam

Land Category* Residential Class I Type - I

Search Reset

Search Criteria :

Zone:	THIRUNELVELI	Sub Registrar Office:	AMBASAMUDHIRAM
Guideline Village:	VAGAIKULAM	Revenue Village:	VAGAIKULAM
Revenue District:	TIRUNELVELI	Revenue Taluka:	AMBASAMUDRAM

Below Search results are as on 13-Jun-2024 06:41 PM

539 items found, displaying 1 to 10.

[First/Prev] 1, 2, 3, 4, 5, 6, 7, 8 [Next/Last]

Sr.No.	Survey/Subdivision No.	Guideline Value (₹) (British Value)	Guideline Value (₹) (Metric Value)	Land Classification	Effective Start Date	G.O.Download
1	1	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
2	1/1	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
3	1/10	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
4	1/12	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
5	1/13	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
6	1/15	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
7	1/16	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
8	1/17	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
9	1/18	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-
10	1/19	66/ Square Feet	710/ Square Metre	Residential Class I Type - I	01-Apr-2023	-

Go Back To Main Menu

CHECK - LIST

Guidelines for Project Directors for processing the proposal for erection of 22 KV Electrical Line with Pole in the land across National Highways vested with NHAI.

- **Relevant circulars**

1) Ministry Circular No. NH-III/P/66/76 dated 19.11.1976
2) Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982
3) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995
4) Ministry Circular No. RW/NH-22044/29/2015-S&R (R) dated 22.11.2016

Check list for getting approval for erection of 22 KV Electrical Line with Pole in NH land

S.No.	Item	Information/ Status	Remarks
1	General Information	Erection of 22 KV Electrical Line with Pole in NH land	
1.1	Name and Address of the Applicant	Airport Authority of India, Tuticorin Airport, Tuticorin.	
1.2	National Highway Number	NH-138	
1.3	State	Tamil Nadu	
1.4	Location	(Tuticorin to Tirunelveli Section)	
1.5	(Chainage in km)	Along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100	
1.6	Length in Meter	454 Meters	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing chainage/ km direction	22.50 Mtr	
	(b) Right side from center line towards increasing chainage/ km direction	22.50 Mtr	
1.8	Proposal to erection of electrical pole		
	(a) Left side from center line towards increasing chainage/ km direction	Nil	
	(b) Right side from center line towards increasing chainage/ km direction	21.50 Mtr from the centre of ROW	
1.9	Proposal to acquire land		
	(a) Left side from center line	NA	
	(b) Right side from center line		

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1.10	Whether proposal is in the same side where land is not to be acquired	Yes	
	If not then where to erection of 22 KV Electrical Line with Pole	The pole shall be laid at the extreme edge of ROW.	
1.11	Details of already laid services, if any, along the proposed route	Nil	
1.12	Number of lanes (2/ 4/ 6/8 lanes) existing	4 Lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4 / 6/8 lanes)	-	
1.14	Service road existing or not	Yes	
	If yes then which side		
	(a) Left side from center line	Shown in diagram	
	(b) Right side from center line	Shown in diagram	
1.15	Proposed Service road	N/A	
	(a) Left side from center line		
	(b) Right side from center line		
1.16	Whether proposal to erection of 22 KV Electrical Line with Pole is after the service road or between the service road and main carriageway	Along utility corridor at ROW edge	
1.17	The permission for erection of 22 KV Electrical Line with Pole shall be considered for approval / rejection based on the Ministry Circulars mentioned as above	Considered for approval based on the Ministries circular	
1.18	**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, crossings of the road by Using HDD method	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes, Crossing will be laid 15m away from the structure	
	(b) Is it on a line normal to NH	Yes	
	(c) Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter. What is the distance from the existing structures	Yes, Crossing will be laid 15m away from the structure	

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	(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.	Yes, using 200mm Dia HDPE pipe	
	(e) Ends of the casing/conduit pipe 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 slope toe of slope in the fills.	Yes	
	(g) The top of the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.	Yes	
	(h) Crossing shall be by boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	Yes	
2	Document / Drawings enclosed with the proposal	Yes	
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deepX 0.3m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe	No, HDD method only	

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	(ii) located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway (iii) Shall not be permitted to run along the National Highways 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 at least 0.6 meter below the ground level so as not to obstruct drainage of the road land.	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method	Yes	
2.3	Strip plan/ Route Plan showing erection of 22 KV Electrical Line with Pole, Chainage, width of ROW, distance of proposed, pole from the edge of ROW, important mile stone, intersections, cross drainage works etc.	Yes	
2.4	Methodology for erection of 22 KV Electrical Line with Pole	Yes	
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	NA	The pole shall be erect for overhead only
	(a) The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	NA	The pole shall be erect for overhead only
	(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	NA	The pole shall be erect for overhead only

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	excavated and replaced by selected material.		
	(c) The backfill shall be completed in two stages (i) side - fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.	NA	The pole shall be erect for overhead only
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be 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 shall be built to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	NA	The pole shall be erect for overhead only
	(f) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.	NA	The pole shall be erect for overhead only
	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	NA	The pole shall be erect for overhead only
2.4.2	Horizontal Directional Drilling (HDD) Method	Across the road by using HDD method	
2.4.3	Erection of 22 KV Electrical Line with Pole through CD works and method of laying	No	
3	Draft License Agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee in favor of NHAI has to be obtained @ Rs. 100/- per running meter (parallel to NH) and Rs.1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making	Will be furnished on receipt of Demand from NHAI.	

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	good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m 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.		
4.1	Performance BG as per above is to be obtained.	Will be furnished on receipt of Demand from NHAI.	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Later date	
5	**Affidavit / Undertaking from the Applicant for**		
5.1	Not to Damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes	
5.2	Renewal of Bank Guarantee	Yes	
5.3	Confirming all standard condition of NHAI`s guideline	Yes	
5.4	Shifting of erection of 22 KV Electrical Line with Pole and 100KV Transformer as and when required by NHAI at their own cost	Yes	
5.5	Shifting due to 6 lanning / widening of NH	Yes	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes	
5.7	Traffic movement during laying of erection of 22 KV Electrical Line with Pole to be managed by the applicant	Yes	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant	Yes	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the erection of 22 KV Electrical Line with Pole located in the National highway right-of-ways.	Yes	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway	Yes	

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	by the laying, maintenance or shifting of the erection of 22 KV Electrical Line with Pole will be borne by the agency owning the line.		
5.11	If the NHAI considers it necessary in future to move the utility line for any work of 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 erection of 22 KV Electrical Line with Pole will not have any deleterious effects on any of the bridge components and roadway safety for traffic.* (ii) for 6 -lanning *"We do undertake that I will relocate service road/approach road / utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI" for future six- lanning or any other development."*	Yes	
6.	Who will sign the agreement on behalf of erection of 22 KV Electrical Line with Pole agency	General Manager(Engg.), AAI, Tuticorin.	
7	Certificate from the Project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-III/P/66/76 dated 19.11.1976,Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982 and Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995 and Ministry Circular No. RW/NH-22044/29/2015-S&R (R) dated 22.11.2016.	Yes	

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7.2	Certificate from PD in the following format (i) *"It is certified that any other location of the Electric cable would be extremely difficult and unreasonable costly and the installation of Electric cable 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".* (ii) for 6 -lanning (a) Where feasibility is available *"I do certify that there will be no hindrance to proposed six-laning based on the feasibility report 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 accommodating proposed six-laning".*	To be furnished by PD	
8	If 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 Licensee has been granted the right to erection of 22 KV Electrical Line with Pole has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of* ***[Tuticorin to Tirunelveli Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 of NH No.138 on Build, Operate and Transfer Basis]*** *and therefore, the licensee shall honour the same."*	N/A	
9	Who will supervise the work of erection of 22 KV Electrical Line with Pole	Concessionaire/ Consultant/NHAI	

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10	Who will ensure that the defects in road portion after laying of erection of 22 KV Electrical Line with Pole are corrected and if not corrected then what action will be taken.	General Manager(Engg.), AAI, Tuticorin.	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire.	General Manager(Engg.), AAI, Tuticorin.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)	NHAI	
13	If any previous approval is accorded for erection of 22 KV Electrical Line with Pole then Photocopy of register of records of permissions accorded as maintained by PD may be enclosed.	N/A	

Project Director
NHAI - PIU Tuticorin

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Annexure-I

Conditions to be enclosed/incorporated in the approval letter for permission for erection of 22 KV Electrical Line with Pole

1. The erection of 22 KV Electrical Line with Pole shall be located as close to the extreme edge of the right-of-way as possible but not less than 15 meter from the centre-lines of the nearest carriageway.
2. The erection of 22 KV Electrical Line with Pole shall not be permitted to run along the National Highways 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 erection of 22 KV Electrical Line with Pole shall be so placed that at no time there is interference with the maintenance of the National Highways.
4. These should be so erect that their top is at least 11 meter above the existing road.
5. The authority/ owner of the underground utility shall ensure that erect an eclectic cable carrying high tension lines should not have any deleterious effects on any of the bridge components and roadway safety for traffic.
6. The lines shall cross the National Highways preferably on a line normal to it or as nearly so as practicable.
7. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.
8. The erection of 22 KV Electrical Line with Pole 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 lines across.
9. The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope toe of slope in the fills.
10. The top pf the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 m below the drain inverts.
11. The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall only be permitted where the existing road pavement is of cement concrete or dense bituminous concrete type.
12. The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.
13. Open trenching method. (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type)
    (a) The sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.
    (b) Filling of the trench shall conform to the specifications contained herein below.
    (c) 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 selected material.

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(d) The backfill shall be completed in two stages (i) side - fill to the level of the top of the pipe and (ii) overfill to the bottom of the road crust.

(e) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.

(f) The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highways Authority. Care shall be taken to avoid the formation of a dip at the trench.

(g) The excavation shall be protected by flagman, signs and barricades, and red lights during night hours.

14. If needed, a diversion shall be constructed at the expense of agency owning the erection of 22 KV Electrical Line with Pole.

15. Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the erection of 22 KV Electrical Line with Pole located in the National highway right-of-ways.

16. Expenditure, if any, incurred by the Highway Authority for repairing any damage caused to the National Highway by the laying, maintenance or shifting of the erection of 22 KV Electrical Line with Pole will be borne by the agency owning the erection of 22 KV Electrical Line with Pole.

17. If the NHAI considers it necessary in future to move the erection of 22 KV Electrical Line with Pole for any work of improvement of repairs to the road, it will be carried out as desired by the Highway Authority at the cost of the agency owning the erection of 22 KV Electrical Line with Pole within a reasonable time (not exceeding 60 days) of the intimation given.

18. The licensee shall ensure making good the excavated trench for laying cables by proper filling and compaction, so as to restore the land in to the same conditions as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.

19. The licensee shall furnish a Bank Guarantee to the NHAI @ Rs...../- per running meter (parallel to NH) and Rs.1,00,000/- per crossing of NH, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m 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.

20. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, within a 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 the damages caused by excavation, at the cost of the licensee and recover the amount by invoking the bank guarantee furnished by the licensee.

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21. The licensee shall 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, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at his own cost and risk.
22. Regarding the location of other cables, underground installation/utilities etc, the licensee shall be responsible to ascertain from the respective agency in coordination with NHAI. The licensee shall ensure the safety and security of already existing cables/underground installation/utilities facilities etc. before commencement of the excavation.
23. The licensee 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 licensee. 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 licensee.
24. If the licensee 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 licensee.
25. The licensee shall procure insurance from reputed insurance company against damages to already existing cables/underground installation/utilities/facilities etc during trenching.
26. The licensee has to cross the NH by horizontal drilling method (trenchless technology only). In case any damage is caused to the road pavement in this process, the licensee will be required to restore the same to the original condition at his own cost.
27. No trenching will be done on pucca road, boring method will be used in pucca road and cable will be laid at the extreme edge of the road in the non-BT surface only.
28. The licensee 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...../- per meter length for maintenance/ repair work shall have to be furnished by the licensee.
29. 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.
30. The licensee shall indemnify the concerned agency in co-ordination with NHAI, against all damages and claims, if any, due to the digging of trenches for laying cables/ducts.
31. The NHAI has a right to terminate the permission or to extend the period of agreement. In case the licensee wants shifting, repairs or alteration to telecom cables/ducts, he will have to furnish a separate bank guarantee.
32. The licensee 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 telecom cables/ducts.

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33. The permission granted shall not in any way be deemed to convey to the licensee any ownership right or any interest in route/road/highway/ land/ property, other than what is herein expressly granted.
34. During the subsistence of this agreement, the laying erection of 22 KV Electrical Line with Pole/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 licensee to the use thereof shall not become absolute and indefeasible by laps of time.
35. The licensee shall bear the stamp duty charged for the agreement.
36. The erection of 22 KV Electrical Line with Pole shall not be brought in to use by the licensee unless a completion certificate to the effect that the erection of 22 KV Electrical Line with Pole has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfactions of the concerned agency in co-ordination with the owner has been obtained.
37. Not with standing anything NHAI contained herein this agreement may be cancelled at any time by the or breach of any condition of the same and the licensee 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 in curred.
38. The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance.
39. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of licensee.
40. After the termination/expiry of the agreement, the licensee shall remove the cables/ducts within 60 days and the site shall be brought back to the original condition failing which the licensee will lose the right to remove the cables/ducts. However, before taking up the work of removal of cables the licensee shall furnish a bank guarantee to the owner for a period of one year for 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 at least 50m away from the edge of the right of way.
41. If NHAI is required to do some emergent work the licensee will provide an observer within 24 hours. NHAI will not be responsible for any damage of any kind by what so ever means natural or otherwise.
42. The enforceability of 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-of Way facility is not to enhance the scope.
43. Strict compliance of the following by the Project Director:
    a) If the licensee fails to inform the commencement of laying of erection of 22 KV Electrical Line with Pole 15 days before the actual start of the work at site the agreement should be null and void.
    b) 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-III/P/66/76 dated 19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982 and Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995 and Ministry Circular No. RW/NH-22044/29/2015-S&R (R) dated 22.11.2016.

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c) An interim execution progress report /status report shall be submitted to NHAI-HQ after one month of the start of the work at site, regarding the satisfactory progress of the laying of erection of 22 KV Electrical Line with Pole, as per the specification/stipulation and the alignment as approved.

d) 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 19.11.1976, Ministry Circular No. RW/NH-III/P/66/76 dated 11.5.1982 and Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995, Ministry Circular No. RW/NH-22044/29/2015-S&R (R) dated 22.11.2016 and the approved plan.

e) To obtain a performance bank guaranty @ Rs. ...../- per running meter of NH and Rs.1,00,000/- per crossing of NH from the licensee to safe guard the interest of NHAI.

f) Proposal for permission along NH Sections which are proposed to be taken up by NHAI for development through private sector participation on BOT basis, following clause should be inserted in the agreement.

" The permitted Highway on which Licensee has been granted the right to lay cable/duct has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of ---------- section from Km ----------to Km ----------of NH No----------on Build, Operate and Transfer Basis and therefore, the licensee shall honour the same."

g) A register of records of the permissions accorded has to be maintained by the PD in the prescribed proforma (copy enclosed)

h) Project Director is authorized to sign an agreement (IN ACCORDANCE WITH THE MODEL AGREEMENT) with the applicant, on behalf of NHAI.

वी. एस. KRISHNAN
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General Manager (Engineering)
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Airports Authority of India
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तूतीकोरिन / Tuticorin-628 102

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

தமிழ்நாடு तमिलनाडु TAMILNADU 17/07/2024 EL 393782

AIRPORT AUTHORITY OF INDIA, Tuticorin

ப. பன்னீர்செல்வம்
முத்திரைத்தாள் விற்பனையாளர்
உரிமம் எண் : 33/2008/ஈரோடு.

AGREEMENT REGARDING GRANTING OF RIGHT OF WAY PERMISSIONS FOR LAYING UTILITY SERVICES ON NATIONAL HIGHWAYS

Agreement to erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method for a total length of 454m in National Highway No. 138 of (Tuticorin to Tirunelveli section) in the state of Tamil Nadu, National Highways, Tuticorin.

This Agreement made this _____ day of _____(month)_____of (year) between ____ acting in his executive capacity through_____ (hereinafter referred to as the "Authority" which expression shall unless excluded by or repugnant to the context include his successors in office and assigns) on the one part, an **Airport Authority of India, Tuticorin Airport, Tuticorin, Tamilnadu** (hereinafter called the "Licensee") which expression shall unless excluded by repugnant to the context, include his successors / administrator assignees on the second part.

वी. एस. कृष्णन / V.S.Krishnan
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन / Tuticorin Airport

Whereas the Authority is responsible, inter-alia, for development and maintenance of lands in erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method for a total length of 454m in National Highway No. 138 of (Tuticorin to Tirunelveli section) in the state of Tamil Nadu, National Highways, Tuticorin.

Whereas the Licensee Proposes to lay Telecom cable / OFC cable / electrical cable Line / Pipe line / ducts etc., referred to as utility services in subsequent paras.

Whereas the Licensee has applied to the Authority for permission to lay utility services in erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method for a total length of 454m in National Highway No. 138 of (Tuticorin to Tirunelveli section) in the state of Tamil Nadu, National Highways, Tuticorin.

And whereas the Authority has agreed to grant such permission for way leave on the NH RoW as per terms and conditions hereinafter mentioned.

Now this agreement witnesseth that in consideration of the conditions hereinafter contained and on the part of the Licensee to be observed and performed, the Authority hereby grants to the Licensee permissions to lay utility services as per the approved drawing attached hereto subject to the following conditions, namely:

1. Row permissions are only enabling in nature. The purpose of extending the way leave facility on the National Highway. Row is not for enhancing the scope of activity of a utility service provider, either by content or by intent. Further, enforceability of the permission so granted shall be restricted only to the extent of provisions / scope of activities defined in the license agreement & for the purpose for which it is granted.

2. No Licensee shall claim exclusive right on the Row and any subsequent user will be permitted to use the Row, either above or below, or by the side of the utilities laid by the first user, subject to technical requirements being fulfilled, Decision of the Authority in relation to fulfilment of technical requirements shall be final and Binding on all concerned parties. In case any disruption / damage is caused to any existing user by the subsequent user, the Authority shall not be held accountable or liable in any manner.

3. The Licensee shall be responsible for undertaking all activities including, but not limited to site identification, survey, design, engineering, arranging, finance, project management, obtaining regulatory approvals & necessary clearances, supply of equipment material, construction, erection, testing and commissioning, maintenance and operation and all other activities essential or required for efficient functioning of their own utility industrial infrastructure facilities.

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भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन / Tuticorin-628 103

4. The Licensee shall pay license fees @ Rs. ...../sq m/month to the Authority. The Licensee fee shall become payable from the date of handing over of Row land to the Licensee, for laying of utilities/electrical cables lines/conduits/pipelines for infrastructure/ service provider. As regards Tariff and Terms and conditions for providing common utility ducts along National Highways, there shall be a separate agreement regime.

5. Fee shall have to be paid in advance for the period for which permission is granted for entering into a license agreement. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @15% per annum compounded annually.

6. Present policy of the MoRT&H is to provide a 2.00 m a wide utility corridor on either side of the extreme edge of Row. In cases where utility ducts with sufficient space are already available along NH, the utility services shall be laid in such ducts subject to technical requirements being fulfilled.

7. The Utility services shall be laid at the edge of the RoW. In case of restricted width of RoW, which may be adequate only to accommodate the carriageway, central verge, shoulders, slopes of embankment , drains, other road side furniture etc: the utility services shall be laid beyond the toe line of the embankments and clear of the drain.

8. The Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed. In case, this is not feasible, the utility services may be carried outside the railings/ parapets and the bridge superstructure. The fixing and supporting arrangement with all details shall be required to be approved in advance from the concerned Highway Administration. Additional cost on account of fixing and supporting arrangement as assessed by the authority shall be payable by the Licensee.

9. In exceptional cases, where RoW is restricted the utility services can be allowed beneath the carriageway of service road, if available, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct shall not be less than one lane. In such cases, it also needs to ensure that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee.

10. It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level. However any structure above ground shall be aesthetically provided for / landscaped with required safety measures as directed by the concerned Authority.

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तूतीकोरिन / Tuticorin-628 103

11. The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing /conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the specifications of the Ministry.

12. Existing drainage structures shall not be allowed to carry the lines across.

13. The top of the electrical line containing the utility services to cross the road shall be at least 11m top of the existing road level whichever is lower. A typical sketch showing the clearances is given in Attachment-I.

14. The utility services shall cross the National Highway preferable on a line normal to it or as nearly so as practicable.

15. The casing/conduit pipe for crossing the road may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

16. In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30cm. but not more than 60cms wider than the outer diameter of the pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.

i. Bedding shall be to a depth not less than 30cm. 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 edges should be excavated and replaced by selected material.

ii. The backfill shall be completed in two stages (i) side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.

iii. The side fill shall consist of granular material laid in 15cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the Proctor's Density. Overfill shall be compacted to the same density as the material that has been removed. Consolidation by saturation or ponding will not be permitted.

iv. The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the highway Authority.

17. The Licensee shall ensure making good the excavated trench for laying utility services by proper filling and compaction, so as to restore the land in to the same condition as it was before digging the trench, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way.

18. All required restoration work subsequent to laying of the cable shall be required to be undertaken by the Licensee at its cost either by itself or through its authorized representative in consultation with the authority as per predetermined time schedule and quality standards.

19. Prior to commencement of any work on the ground, a performance Bank guarantee @Rs. Per route metre /Rs per sq m with a validity of one year initially (extendable if required till satisfactory completion of work) shall have to be furnished by the Licensee to the Authority its designated agency as a security against improper restoration of ground in terms of filling / unsatisfactory compaction damages caused to other underground installations utility services & interference, interruption, disruption, or failure caused thereof any services etc. in case of licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

20. In case, the Performance Bank guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking. In case the work contemplated herein is not completed to the satisfaction of the Authority, which has granted the permission, within a 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. Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.

21. The Licensee shall shift the utility services within 90 days (or as specified by the respective authority) from the date of issue of the notice by the concerned authority to shift/relocate the utility services, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridge and restore the road/land to its original condition at his own cost and risk.

22. The Licensee shall be responsible to ascertain from the respective agency in co-ordination with Authority, regarding the location of other utilities/underground installations/facilities etc. The Licensee shall ensure

the safety and security of already existing underground installations / utilities / facilities etc. before commencement of the excavation /using the existing cable ducts. The Licensee shall procure insurance from a reputed insurance company against damages to already existing underground installations/utilities/facilities etc.

23. The Licensee shall be solely responsible / liable for full compensation/indemnification of concerned agency / aggrieved Authority for any direct, indirect or consequential damage caused to them / claims or replacements sought for, at the cost and risk of the Licensee. The concerned agency in co-ordination with Authority shall also have a right make good such damages/recover the claims by forfeiture of Bank Guarantee.

24. If the licensee fails to comply with any condition to the satisfaction of the Authority, the same shall be executed by the Authority at the cost and risk of the Licensee.

25. Grant of Licensee is subject to the Licensee satisfying (a) minimum disruption of traffic and (b) no damage to the highways. As far as possible, the Licensee should avoid cutting of the road for crossing highway, and other roads and try to carry out the work by trenchless technology. In case any damage is caused to the road pavement in this process, the Licensee will be required to restore the road to the original condition at its cost. If due to unavoidable reasons the road needs to be cut for crossing or laying utility services, the Licensee has to execute the restoration work in a time bound manner at its cost either by itself or through its authorised representative in consultation with the Authority as per predetermined time schedule and quality standards. In case of the Licensee failing to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee.

26. The Licensee shall inform/give a notice to the concerned agency designated by the Authority at least 15 day in advance with route details prior to digging trenches, for fresh or maintenance/repair works. A separate performance Bank guarantee for maintenance/repair works shall have to be furnished by the Licensee.

27. Each day, the extent of digging the trenches should be strictly regulated so that utility services is 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 Authority.

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तूतीकोरिन / Tuticorin-628 103

28. The Licensee shall indemnify the concerned agency in co- ordination with Authority, against all damages and claims, if any due to the digging of trenches for laying cables/ducts.

29. The permission for laying utility services is granted maximum for 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

30. The permission shall be valid only for it is issued and fee deposited. However, the Authority also has a right to terminate the permission or to extend the period of Agreement.

31. That the Licensee shall not undertake any work of shifting, repairs or alterations to the utility services without prior written permission of the concerned agency in co-ordination with the Authority.

32. The permission granted shall not in any way be deemed to convey to the Licensee any ownership right or any interest in route/road/highway/and/property. Other than what is herein expressly granted. No use of NHRoW will be permitted for any purpose other than that specified in the Agreement.

33. During the subsistence of this Agreement, the utility services located in highway land / property shall be deemed to have been constructed and continued only by the consent and permission of the Authority so that the right of the Licensee to the use thereof shall not become absolute and indefeasible by lapse of time.

34. The Licensee shall bear the Stamp Duty charged on this Agreement.

35. Three copies of 'as laid drawings' of utilities (hard and soft copies) with geo-tagged photographs and geo-tagged video recordings of laying of cables in the trench (with respect to the NH) and after complete restoration shall be submitted to the Authority for verification and record within a month of completion of works.

36. The Licensee shall allow free access to the Site at all times to the authorised representatives of Authority to inspect the Project Facilities and to investigate any matter within their Authority, and upon reasonable notice, shall provide reasonable assistance necessary to carry out their respective duties and functions.

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Airports Authority of India

37. The Utility services shall not be made operational by the Licensee unless a completion certificate to the effect that the utility services has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfaction of the concerned agency in co-ordination with the Authority has been obtained. Notwithstanding anything contained herein, this Agreement may be cancelled at any time by Authority for breach of any condition of the same and the Licensee shall neither be entitled to any compensation for any loss caused to it by such cancellations not shall it be absolved from any liability already incurred.

38. The Licensee shall ensure adherence to relevant Indian standards and follow best industry practices, methods and standards for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation repair and maintenance of any part of the utility lines/industrial infrastructure facilities and which practices, methods and standards shall be adjusted as necessary, to take account of:

    a. Operation, repair and maintenance guidelines given by the manufacturers.
    b. The requirements of Law.
    c. The physical conditions at the Site, and
    d. The safety of operating personnel and human beings.

39. The Licensee shall have to provide safety measures like barricading, danger lighting and other necessary caution boards while executing the work.

40. While laying utility services, at least one lane of road shall be kept open to traffic at all times. In case of single lane roads, a diversion shall be constructed. If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Licensee.

41. After the termination/expiry of the agreement, the Licensee shall remove the utility services within 90 days and the site shall be bought back to the original condition failing which the Licensee will lose the right to remove the utility services. However before taking up the work of removal of utility services the Licensee shall furnish a Bank Guarantee to the Authority for a period of one year for an amount assessed by the Authority as a security for making good the excavated trench by proper filling and compaction, clearing debris, loose earth produced due to excavation of trenching at least 50m away from the edge of the RoW.

42. Any disputes in interpretation of the terms and condition of this agreement or their implementation shall be referred to the redress mechanism prevailing in the ministry and the decision of the redress mechanism shall be final and binding on all.

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43. For PPP Projects, in case of any financial loss incurred by the respective project concessionaires due to such laying/shifting of utility services by the Licensee, compensation for the same shall be required to be borne by the Licensee in Mutual agreement with the respective project concessionaires. MoRT&H/NHAI/implementing authorities for the project shall not be liable to the concessionaire in any way in this regard.

This agreement has been made in duplicate, each on a stamp paper, each Party to this Agreement has retained one stamped copy each.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE CAUSED THIS AGREEMENT TO BE EXECUTED THROUGH THEIR RESPECTIVE AUTHORISED REPRESENTATIVES THE DAY AND THE YEAR FIRST ABOVE WRITTEN.

SIGNED SEALED AND DELIVERED FOR AND ON BEHALF OF AUTHORITY.

BY SHRI _____
(Signature , name & address with stamp)

- SIGNED ON BEHALF OF **AIRPORT AUTHORITY OF INDIA, TUTICORIN AIRPORT, TUTICORIN, TAMILNADU STATE, (LICENSEE)**

V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
Tuticorin-628 103

BY SHRI V.S. Krishnan
(Signature, name& address with stamp)
HOLDER OF GENERAL POWER OF ATTORNEY DATED _____ EXECUTED IN ACCORDANCE WITH THE RESOLUTION NO._____ DATED _____
PASSED BY THE BOARD OF DIRECTORS IN THE MEETING HELD ON _____
IN THE PRESENCE OF (WITNESSES)

1.

2.

डि. फ्रांसिस जेवियर / W. FRANCIS XAVIER
संयुक्त महाप्रबंधक (अभि-विद्युत)
Jt. General Manager (Engg - Elect)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
Tuticorin-628 103

MAHOOD M. ISMAIL, AGM (E-E), AAI, Tuticorin

தமிழ்நாடு तमिलनाडु TAMILNADU 17/07/2024 EL 393785

AIRPORT AUTHORITY OF INDIA, Tuticorin

ப. பன்னீர்செல்வம்
முத்திரைத்தாள் விற்பனையாளர்
உரிமம் எண் : 33/2008/ஈரோடு.

Annexure-V

UNDERTAKING

We, Airport Authority of India, Tuticorin Airport, Tuticorin, Tamil Nadu State Erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method for a total length of 454m in National Highway No. 138 of (Tuticorin to Tirunelveli section) in the state of Tamil Nadu, National Highways, Tuticorin.

We here by undertake the Standard Conditions of NHAI Guidelines:

1. **Not to Damage to Other Utility, if damaged then to pay the losses either to NHAI or to the concerned agency:** Regarding the location of other electrical line, underground installation/utilities etc, Airport Authority of India shall be responsible to ascertain from the respective agency in coordination with NHAI. Airport Authority of India shall ensure the safety and security of already existing cables/underground installation/utilities facilities etc. before commencement of the excavation.

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Airports Authority of India
Airport Director / Tuticorin Airport
Tuticorin-628 100

2. **Renewal of Bank Guarantee:** Airport Authority of India shall furnish a Bank Guarantee @ Rs100/- per running meter to the NHAI, for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for erection of 22Kv electrical line with pole by proper filling and compaction, clearing debris/loose earth produced due to execution of trenching at least 50m away from the edge of the right of way. No payment shall be payable by the NHAI to Airport Authority of India for clearing debris/loose earth. In case the work contemplated herewith is not completed to the satisfaction of the NHAI, which has granted the permission, within a period of 11 months from the date of issue of the bank guarantee Airport Authority of India shall either furnish a fresh guarantee or extend the guarantee for a further period of one year. In case of Airport Authority of India failing to discharge the obligation of making good the excavated trench, the NHAI shall have a right to make good the damages caused by excavation, at the cost of Airport Authority of India and recover the amount by invoking the bank guarantee furnished by Airport Authority of India.

3. **Confirming all standard conditions of NHAI:**

(i) The period of validity of Way permission shall be co-terminus with the validity of licensee given by the Ministry of Communications / DoT.

(ii) The 22kv electrical line with pole shall be laid at the edge of the right of way within 2mutility corridors.

(iii) The top of the electrical line shall be at least 11m from existing road.

(iv) The licensee has to cross the NH In case any damage is caused to the road pavement in this process, Airport Authority of India will be required to restore the same to the original condition at his own cost.

(v) No trenching will be done on link road, boring method will be used in link road and 22Kv electrical line with pole will be laid at the extreme edge of the road in the non-BT surface only.

(vi) The licensee 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 @ Rs100/- per meter

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[illegible] Airport
तूतीकोरिन / Tuticorin-628 103

length for maintenance/ repair work shall have to be furnished by Airport Authority of India.

(vii) Each day, the extent of erection of 22kv electrical line with pole 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.

(viii) The Licensee shall indemnify the concerned agency in co-ordination with NHAI, against all damages and claims, if any, due to the erection of 22kvelectrical line with pole.

(ix) The NHAI has a right to terminate the permission or to extend the period of agreement. In case the Airport Authority of India wants shifting, repairs or alteration to 22Kv electrical line with pole, he will have to furnish a separate bank guarantee.

(x) The Licensee 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 22kv electrical line with pole.

(xi) The permission granted shall not in any way be deemed to convey to Airport Authority of India any ownership right or any interest in route / road / highway / land / property, other than what is herein expressly granted.

(xii) During the subsistence of this agreement, the erection 22Kv electrical line with pole 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 Airport Authority of India to the use thereof shall not become absolute and indefeasible by laps of time.

(xiii) Airport Authority of India shall bear the stamp duty charged for the agreement.

(xiv) The 22Kv electrical line with pole shall not be brought in to use by Airport Authority of India unless a completion certificate to the effect that the erection of 22kv electrical line with pole has been laid in accordance with the approved specifications and drawings and the trenches have been filled up to the satisfactions of the concerned agency in co-ordination with the owner has been obtained.

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Tiruchirappalli Airport
Tiruchirappalli-620 007

(xv) Notwithstanding anything NHAI contained herein this agreement may be cancelled at any time by the for breach of any condition of the same and the Airport Authority of India 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.

(xvi) The licensee shall have to provide barricading, danger lighting and other necessary caution boards while executing the work and during maintenance. If NHAI is required to do some emergent work Airport Authority of India will provide an observer within 24 hours. NHAI will not be responsible for any damage of any kind by what so ever means natural or otherwise.

(xvii) The enforceability of 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 of the License with Department of TNEB and for the purpose for which it is granted. Either by content or by intent, the purpose extending this Right-of Way facility is not to enhance the scope of Airport Authority of India.

4. **Shifting of 22Kv electrical line with pole as and when required by NHAI:** Airport Authority of India shall shift the 22Kv electrical line with pole within 90 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 22Kv electrical line with pole, in case it is so required for the purpose of improvement/widening of the road/route/highway or construction of flyover/bridges and restore the road/land to its original condition at his own cost and risk

5. **Shifting due to 6 lining / widening of NH:** After the termination/expiry of the agreement, Airport Authority of India shall remove the 22Kv electrical line with pole within 90 days and the site shall be brought back to the original condition failing which the Airport Authority of India will lose the right to remove the 22kv electrical line with pole. However, before taking up the work of removal of 22kv electrical line with pole the Airport Authority of India shall furnish a bank guarantee to the owner for a period of one year for 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 at least 50m away from the edge of the right of way.

वी. एस. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन हवाई अड्डा / Tuticorin Airport
तूतीकोरिन / Tuticorin-628 103

6. **Traffic movement during erection of 22kv electrical line with pole to be managed by the applicant:** If any traffic diversion works are found necessary during the working period such diversion shall be provided at the cost of Airport Authority of India.

7. **If any claim is raised by the concessionaire then the same has to be paid by the applicant:** Airport Authority of India 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 Airport Authority of India. 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 Airport Authority of India. If Airport Authority of India fails to comply with the condition 5 and 6 above to the satisfaction of the NHAI, the same shall be got executed by the NHAI at the risk and cost of the M/s. Bharat Petroleum Corporation Limited.

8. **We, Airport Authority of India. Tuticorin Airport, Tuticorin, Tamilnadu State,** hereby do undertake to furnish a Performance Bank Guarantee @100/- per meter for a period of one year initially (extendable if required till satisfactory completion of work) as a security against improper restoration of ground in terms of filling/unsatisfactory compaction/damages caused to other underground installation utility services & interference interruption, disruption of failure caused thereof to any services etc. In case, Airport Authority of India. Failing to discharge the obligation of making good the damages caused due to erection, the NHAI shall have a right to make good the damages caused due to erection at the cost of theM/s. Bharat Petroleum Corporation Limited. And recover the amount by invoking the Bank Guarantee. In case the work contemplated is not completed to the satisfaction of NHAI, which has granted the permission, within a period of 11 months from the date of issue of the Bank Guarantee, Airport Authority of India. Shall either furnish a fresh guarantee or extend the guarantee for a further period of one year.

9. Not to damage to other utility, if damaged, then to pay the losses either to NHAI or to the concerned agency.

10. In case the work contemplated is not completed to the satisfaction of NHAI, which has granted the permission within a period of 11months from the date of issue of the Bank Guarantees, Airport Authority of India shall either furnish a fresh guarantee or extend the guarantee for a further period of one year.

वी. एस. कृष्णन
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport

11. We will relocate lines/Utilities at our own cost, notwithstanding the permission granted within such time as will be stipulated by NHAI "for future six-laning or any other development."

12. We, Airport Authority of India. Tuticorin Airport, Tuticorin, Tamilnadu State, hereby undertake that "The existing avenue plantation is not affect due to the present proposed erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method for a total length of 454m in National Highway No. 138 of (Tuticorin to Tirunelveli section) ".

13. We, Airport Authority of India. Tuticorin Airport, Tuticorin, Tamilnadu State, hereby undertake that the pay the fee /rent as mentioned in the Ministry's Guidelines Lr. No. RW/NH- 22044/29/2015-S&R (R) dated 22.11.2016 as and when asked by NHAI.

14. Lr. No. RW/NH-22044/29/2015-S&R (R) dated 22.11.2016 as and when asked by NHAI. Reference Circular issued by Ministry of Road Transport & Highways, GOI, Circular No. RW/NH-22044/29/2015-S&R (R) dated 22.11.2016. Where in, the last paragraph that "The Highway Administration Rules 2004 will be modified accordingly. This circular will come in to effect from the date of notification of the modified Highway Administration Rule" So we hereby give our consent to abide by the content of this circular from the date of its notification by MORTH, GOI and agree to pay the ground rent any other charges applicable for the section as applied by us.

Yours Faithfully,

(V.S.Krishnan)
General Manager(Engg),
AAI, Tuticorin.

वी. एस. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
तूतीकोरिन / Tuticorin-628 103

தமிழ்நாடு तमिलनाडु TAMILNADU 17/07/2024 EL 393787

AIRPORT AUTHORITY OF INDIA, Tuticorin

ப. பன்னீர்செல்வம்
முத்திரைத்தாள் விற்பனையாளர்
உரிம எண் 33/2008/சு.ரோடு.

Annexure-VI

INDEMNITY BOND

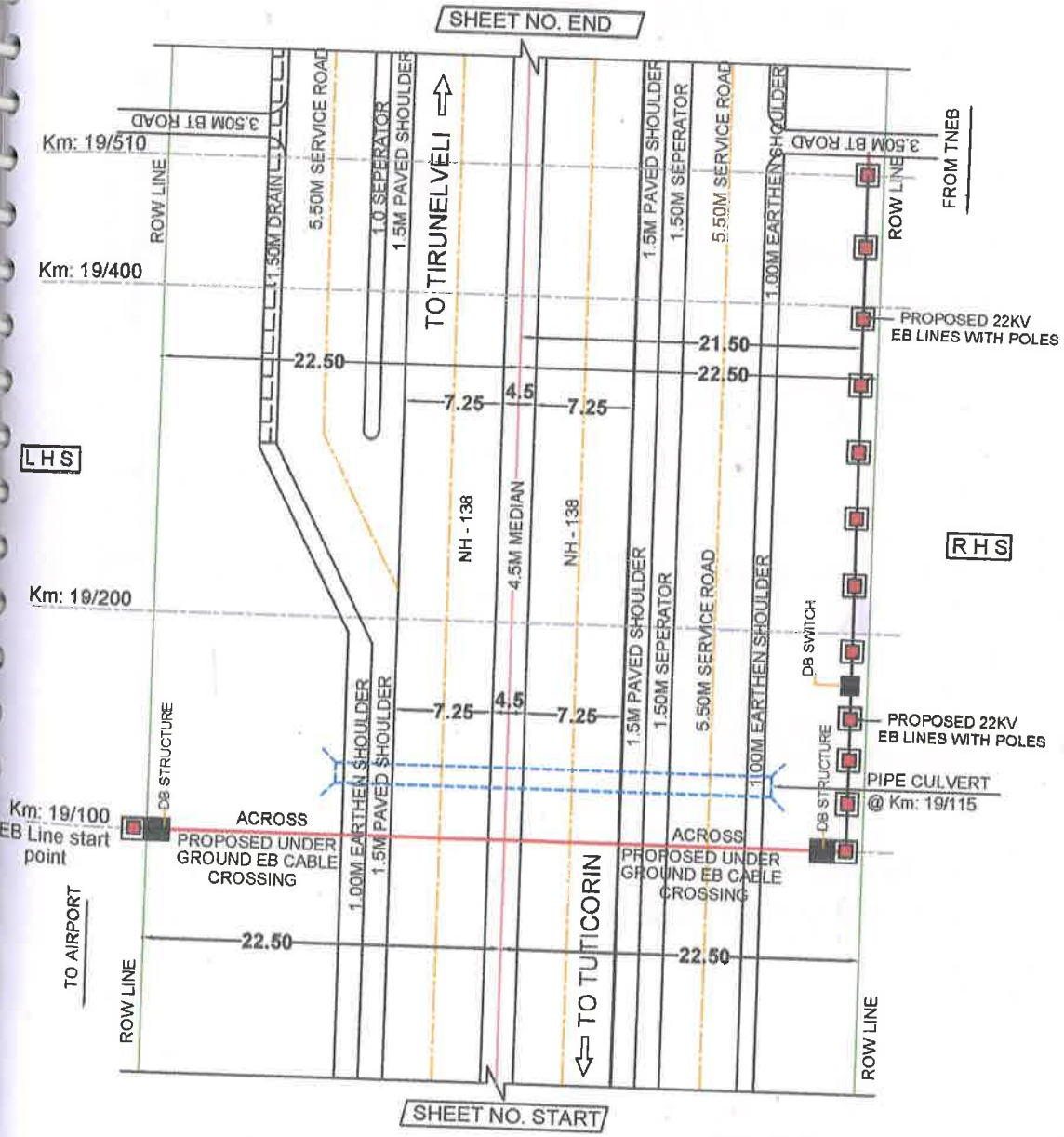
Name of Work: Erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method for a total length of 454m in National Highway No. 138 of (Tuticorin to Tirunelveli section) in the state of Tamil Nadu, National Highways, Tuticorin.

Indemnity against all damages and claims as per Sl. No. 5.6 of Checklist

We **Airport Authority of India, Tuticorin Airport, Tuticorin, Tamilnadu State,** do hereby indemnify Project Director, National Highways Authority of India, Project Implementation Unit, binding ourselves to pay all the losses and claims in respect of erection of 22KV electrical Lines with 12 Nos. of Poles along the road from Km.19/100 to Km.19/510 (RHS) and across the road @ Km.19/100 by using HDD method for a total length of 454m in National Highway No. 138 of (Tuticorin to Tirunelveli section) in the state of Tamil Nadu, or maintenance thereof and against all claims, proceedings, damages, costs, charges and expenses whatsoever in respect thereof in relation there to. Failing such payments of claims in the above work we abide in accepting for recovery of such claims affected from any of our assets.

(V.S.Krishnan)
General Manager(Engg),
AAI, Tuticorin.

वी. एस. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India
तूतीकोरिन एयरपोर्ट / Tuticorin Airport
तूतीकोरिन / Tuticorin-628 103



NOTES:

1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED
2. ALONG LENGTH - 410m
3. ACROSS LENGTH - 44m
4. SCALE - N T S

TUTICORIN TO TIRUNELVELI SECTION (NH - 138)

(Km: 19/100 TO Km: 19/510)
Across @ Km: 19/100

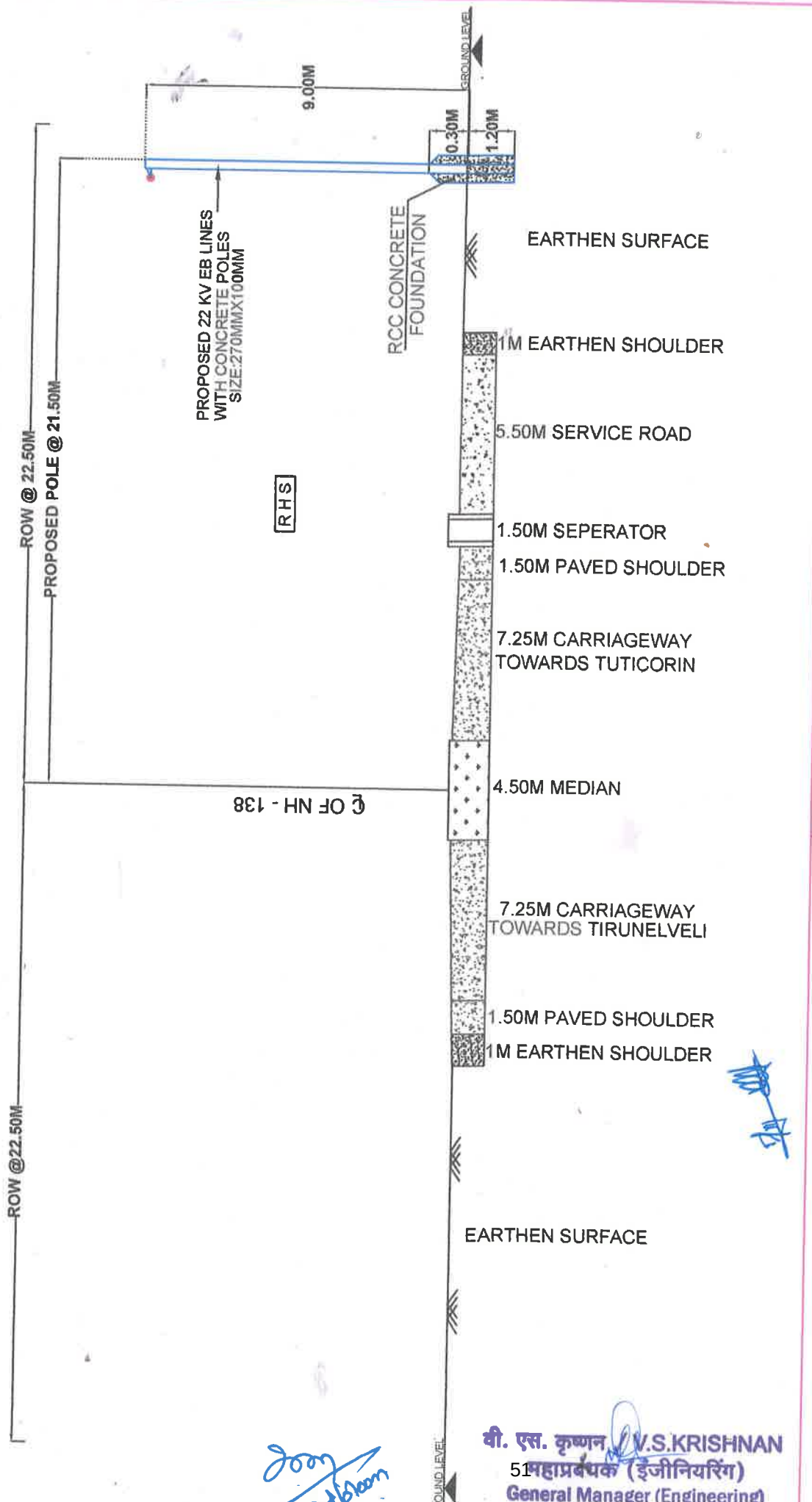
APPLICANT:

AIRPORT AUTHORITY OF INDIA

TUTICORIN AIRPORT
TUTICORIN

- EB LINE WITH POLE
- BT ROAD
- CENTER LINE OF CARRIAGEWAY
- CENTER LINE OF ROAD
- BOUNDARY (ROW)
- BRIDGE / CULVERT

वा. सु. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण



TUTICORIN TO TIRUNELVELI SECTION (NH - 138)

(Km: 19/100 TO Km: 19/350)

AIRPORT AUTHORITY OF INDIA

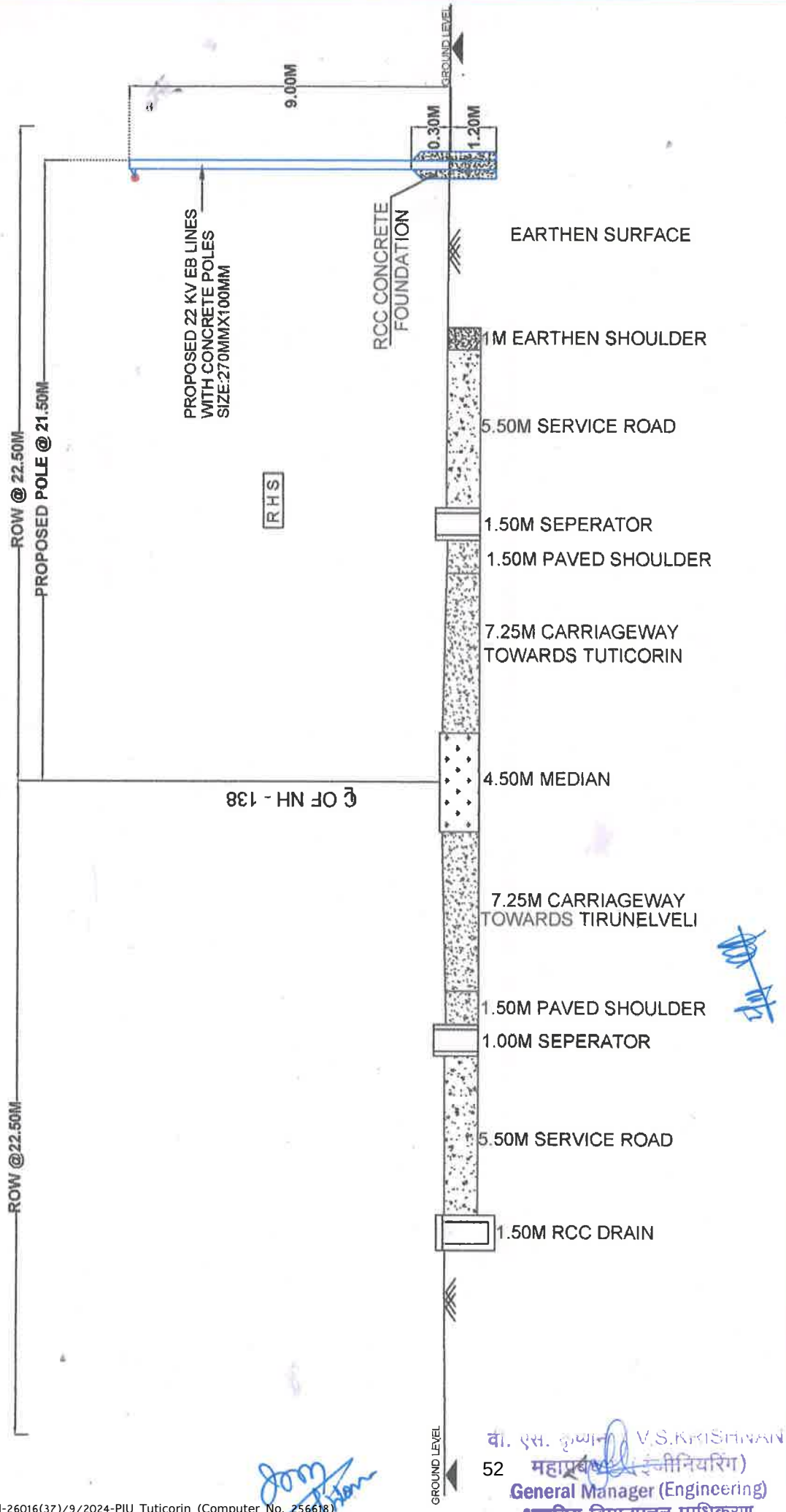
TUTICORIN AIRPORT

TUTICORIN

CROSSECTION DETAILS FOR NH - 138

TITLE:

वी. एस. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India



TUTICORIN TO TIRUNELVELI SECTION (NH - 138)

(Km: 19/350 TO Km: 19/510)

AIRPORT AUTHORITY OF INDIA

TUTICORIN AIRPORT

TUTICORIN

CROSSECTION DETAILS FOR NH - 138

TITLE:

V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
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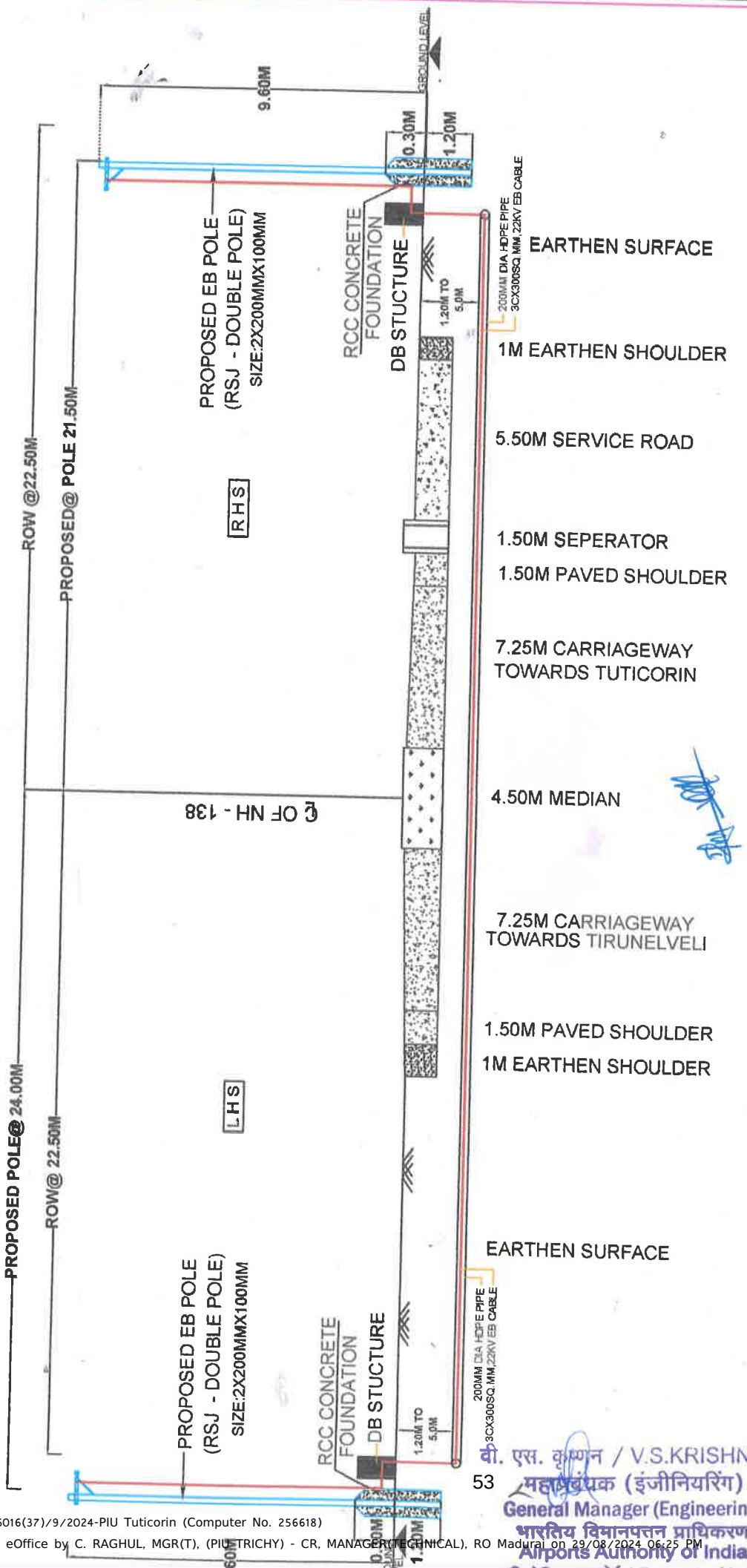


TUTICORIN TO TIRUNELVELI SECTION (NH - 138)

Across @ Km: 19/100

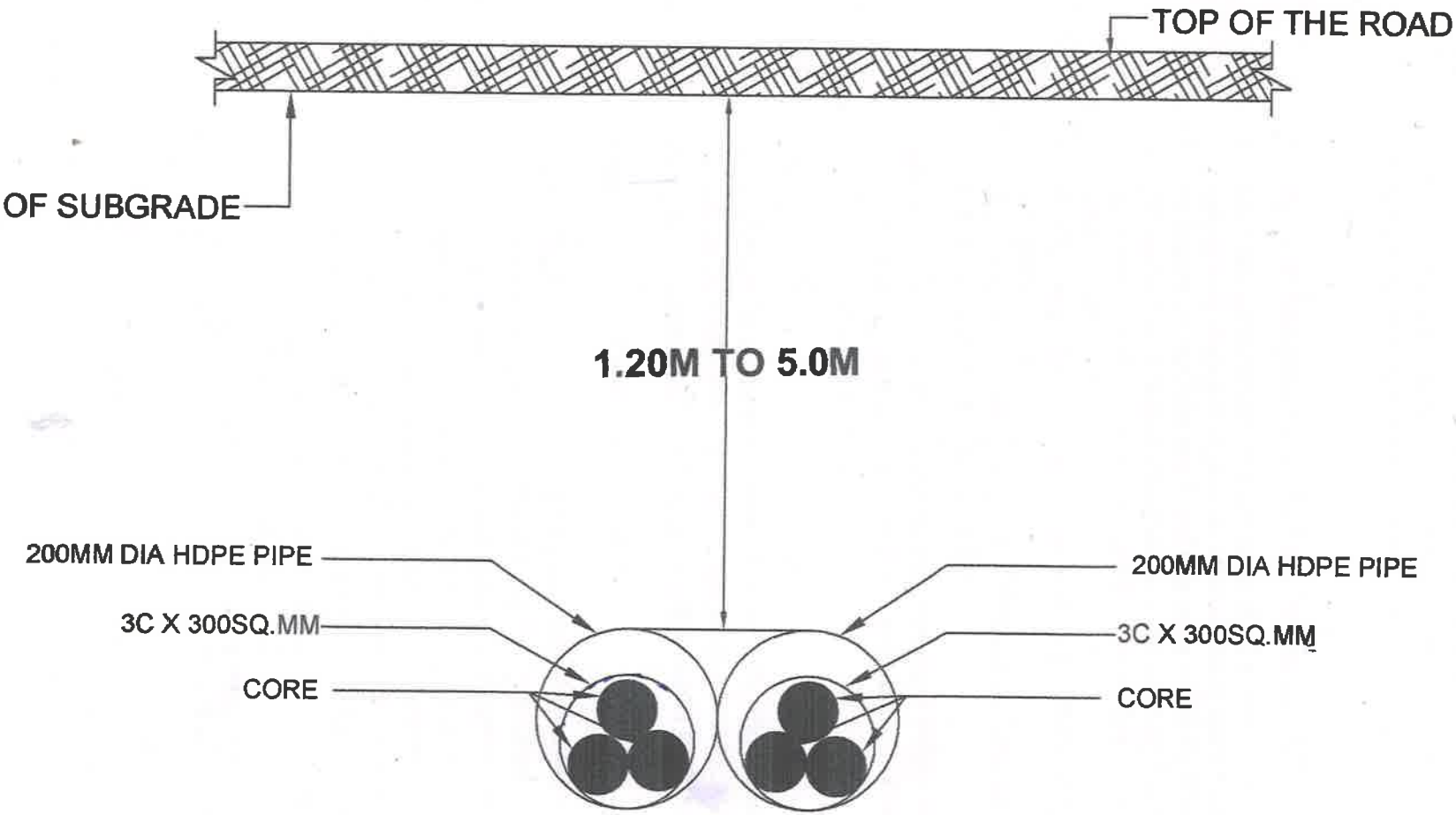
AIRPORT AUTHORITY OF INDIA

TUTICORIN AIRPORT

TUTICORIN

CROSSECTION DETAILS FOR NH - 138

वी. एस. कृष्णन / V.S.KRISHNAN
महाप्रबंधक (इंजीनियरिंग)
General Manager (Engineering)
भारतीय विमानपत्तन प्राधिकरण
Airports Authority of India



TLE:

FIGURE - 1 INSTALLATION OF UG CABLE FOR CROSSING THE ROAD (HDD METHOD)

APPLICANT:

AIRPORT AUTHORITY OF INDIA
TUTICORIN AIRPORT
TUTICORIN

Government of India
Ministry of Road Transport and Highways
(Highway Administration Cell)
Transport Bhavan, l, Parliament Street, New Delhi — 110 001

No. NH-36094/01/2022-S&R(P&B) Dated: 17th April, 2023

To

1. The Chief Secretaries of all the State Governments/UTs
2. The Principal Secretaries/ Secretaries of all States/ UTS Public Works Department dealing with National Highways, other centrally sponsored schemes.
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs dealing with National Highways, other Centrally Sponsored Schemes.
4. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi110 010.
5. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
6. The Managing Director, NHIDCL, PTI Building, New Delhi-110001
7. ROs, ELOs and PIUs of the MoRTH.

Subject- Accommodation of Public and Industrial Utility Services along and across National Highways- Policy guidelines; Clarifications regarding OFC/Telecom cables.

Sir,

Following amendments are issued herewith with reference to Ministry's policy circular no RW/NH-33044/29/2015-S&R(R) dated 22.11.2016 regarding permission for laying of underground OFC/telecom cables in NH ROW with immediate effect:

Clause	Existing provision	Amendments
3.1	The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.	The utility services shall normally be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry. Alternatively, for crossing of NH by pipelines for petroleum products, Horizontal Directional Drilling (HDD) method may be used

		without casing/ conduit pipe following the safety precautions and Codes as given in Annexure II.
5.	**Charges for granting licence for use of highway land:** For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in Annexure I. License Fee/lease rentals described below is for Industrial utilities. The license fee for Public utilities shall be 33% of the fee prescribed for Industrial utilities.	**Charges for granting licence for use of highway land:** For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in Annexure I.
5.1	The following methodology shall be followed for license fees/lease rental determination for utility service lines other than localized infrastructure facilities like towers, repeaters and junction boxes). **License Fees (Rs/sq m/ month) = (Utilized NH land area X Prevailing Circle Rate of land per unit area) / (10 X 12) where,** Utilized NH land area = Outer diameter/width of the concerned utility line X length	License Fee for Industrial Utilities shall be equal to utilized NH land area X Prevailing Circle Rate of land per unit area X 10% per annum. Utilized NH land area shall include projection of utility on ground including area of support system / tower. License fee for total term of license (up to maximum of 5 years) shall be deposited in advance.
5.2	The following methodology shall be followed for license fees/lease rental determination for utility services such as towers/repeaters junction boxes etc. **License Fees (Rs/sq m/ month) = (Utilized NH land area X Prevailing Circle Rate of land per unit area) / (10 X 12) where,**	License Fee for public utility shall be equal to utilized NH land area X Prevailing Circle Rate of land per unit area X 1.5% per annum, subject to minimum of Rs. 10,000/-, with 6% annual increment. Utilized NH land area shall include area of support system / tower but not include projection of utility on ground.

	Utilized NH land area = Projection of utility on the ground including area of support system/tower. However, for public utilities, area below the support system/tower shall only be charged.	There shall be no license fee for OFC cables crossing the NH through HDD method. License fee for total term of license (up to maximum of 5 years) shall be deposited in advance.

2. This issues with the approval of competent authority.

Yours faithfully

17/4/23

(Rakesh Prakash Singh)
Superintending Engineer (HA)

Copy to:

1. AS/ JS/CEs in MoRTH
2. Director, IAHE
3. The Secretary General, Indian Roads Congress
4. Technical circular file of S&R(P&B) Section and Road Safety Engineering Cell
5. NIC-for uploading on Ministry's website under "What's new"

Copy for information to:

1. PS to Hon'ble Minister (RT&H)/ PS to Hon'ble MOS (RT&H)
2. Sr. PPS to Secretary (RT&H)/ Sr. PPS to AS(H)/ Sr. PPS to AS&FA
3. Sr. PPS to DG (RD) & SS/ Sr. PPS / PPS /PS to ADG-I/II/III/IV

17/4/23

(Rakesh Prakash Singh)
Superintending Engineer (HA)

Annexure II

A. Codes/ publications for guidance on design of Horizontal Directional Drilling crossing for Petroleum Pipelines

a) Oil Industry Safety Directorate Code: IOSD Code-141.

b) American Gas Association PR-227-9424 "Installation of Pipelines by Horizontal Directional Drilling an Engineering Design Guide".

c) American Society of Civil Engineering Practice No.89 – "Pipeline Crossings Handbook".

d) Directional Crossing Contractors Association publications "Guidelines for a Successful Directional Crossing Bid Package", "Directional Crossing Survey Standards" and "Guidelines for Successful Mid-Sized Directional Drilling Projects."

B. Safety precautions and plan to be submitted along with the proposal for HDD crossings:

a) Before taking up the HDD work, area to be scanned by suitable methods like GPR to locate all underground utilities. Accordingly, crossing plan and profile drawings to be developed showing all pipelines, utilities, cables and structures that cross the drill path, are parallel to and within 30m of the drill path and that are within 30m of the drilling operation, including mud pits and bore pits.

b) Damage prevention plan to reduce or avoid the likelihood of damage to adjacent underground facilities, including pipelines, utilities, cables and other subsurface structures considering the accuracy of the method in locating existing structures and in tracking the position of the pilot string during drilling. Consideration should be given to having an auxiliary location system to include manual excavation to ensure that the drilling bit or reamer is following the projected path and does not encroach upon crossing or parallel lines. The damage prevention plan should include provision for sending notification to all affected parties.

c) Safety plan to include contingency plans in the event the drilling string impacts subsurface facilities and identify facilities and resources to be utilized in the event of an emergency or any personnel injuries. The safety plan shall be reviewed on site with all construction personnel prior to the commencement of drilling operations.

d) Plan for containment and disposal of drilling fluids, if used.

e) Hydrostatic test plan that should consider pretesting of the fabricating string(s) prior to installing the crossing.

f) Testing plan be agreed upon the measures like Cathodic protection, periodic inspection be outlined and Supplementary extra thickness of pipe be ensured to compensate for corrosion.

g) Pipeline laying agencies to submit annual certificates of inspection after laying.

17/4/23

GOVERNMENT OF INDIA
MINISTRY OF ROAD TRANSPORT & HIGHWAYS
AN ISO 9001:2008 CERTIFIED MINISTRY

S&R(R) ZONE

IAHE Campus,
A-5, Sector-62,
Noida-201301.

F. No. RW/NH-33044/29/2015/S&R(R) Dated: 22nd November, 2016

To,

1. The Chief Secretaries of all the State Governments/ UTs
2. The Principal Secretaries/ Secretaries of all States/ UTs Public Works Department dealing with National Highways, other centrally sponsored schemes.
3. All Engineers-in-Chief and Chief Engineers of Public Works Department of States/ UTs dealing with National Highways, other centrally sponsored schemes.
4. The Director General (Border Roads), Seema Sadak Bhawan, Ring Road, New Delhi-110 010.
5. The Chairman, National Highways Authority of India, G-5 & 6, Sector-10, Dwarka, New Delhi-110 075.
6. The Managing Director, NHIDCL, PTI Building, New Delhi-110001

Subject: Accommodation of Public and Industrial Utility Services along and across National Highways – Policy guidelines regarding.

Sir,

The Government has realized that development of infrastructure across the Country on a sustainable and integrated manner continues to be an imperative for improving the state of economy, enhancing quality of life of the citizens and ensuring equitable development throughout the country.

Land being among the most precious of natural resources available; optimum utilization of land shall play a critical role in integrated development of infrastructure. One of the ways to effect such optimum utilization is leveraging land within National Highway (NH) Right of Way (ROW) for laying utility services. This may be achieved through granting permissions for laying utility services along and /or across the ROW. However, environment and safety of the road users are the prime factors in deciding permission for utility services. Permission may be denied, if it is not feasible to ensure safety and environment through requisite safeguards. The Administration of ROW, has been defined in the National Highway Land and traffic Control Act 2002 and relevant Rules 2004.

Keeping in view the need for consistency and clarity, in supersession of all the instructions contained in the earlier previous circulars on the subject, following guidelines shall apply for accommodation of Utility Services along and across National Highways.

2. Laying of Utility Services along the National Highways:

2.1 There shall be a provision for utility ducts for appropriate categories/combination of utilities in the construction of new/4-6 laning of National Highways. The ducts shall be located at appropriate location preferably as close to the extreme edge of ROW.

2.2 Utility services shall be laid in the utility ducts, if provided for the purpose.

2.3 In stretches where utility ducts have not been provided, the utility services shall be located, beyond the toe line of the embankment and drains, as close to the extreme edge of the RoW as possible. While granting permission, requirement of up-gradation also needs to be kept in view.

2.4 It is to be ensured that at no time there is interference with the drainage of the road land and maintenance of the National Highways. Towards this, the top of the utility services shall be at least 0.6 metre below the ground level.

2.5 No utility service shall be laid over existing culverts and bridges except through the utility ducts where such provision exists. In case of absence of such provisions, the Licensee shall make his own arrangement for crossing of cross drainage structure, rivers, etc. below the bed.

2.6 In exceptional cases, where ROW is restricted the utility services can be allowed beneath the carriageway of service road, subject to the condition that the utility services be laid in concrete ducts, which will be designed to carry traffic on top. The width of the duct in such case shall not be less than one lane. In such cases, it also needs to be ensured that maintenance of the utility services shall not interfere with the safe and smooth flow of traffic. The cost of operation and maintenance will have to be borne by the Licensee as per the agreement.

3. Laying of Utility Services across the National Highway:

3.1 The utility services shall be permitted to cross the National Highway either through structure or conduits specially built for that purpose. The casing / conduit pipe should, as minimum, extend from drain to drain in cuts and toe of slope to toe of slope in the fills and shall be designed in accordance with the provision of IRC and executed following the Specifications of the Ministry.

3.2 Existing drainage structures shall not be allowed to carry the lines across.

3.3 The utility services shall cross the National Highway preferably on a line normal to it or as nearly so as practicable.

3.4 The casing/conduit pipe may be installed under the road embankment either by boring or digging a trench. Installation by boring method shall be preferred.

3.5 In case of trenching, the sides of the trench should be done as nearly vertical as possible. The trench width should be at least 30 cm wider, (but not more than 60 cm wider), than the outer diameter of the utility pipe. Filling of the trench shall conform to the specifications contained here-in-below or as supplied by the Highway Authority.

3.5.1 Bedding shall be to a depth 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 edges should be excavated and replaced by selected material.

3.5.2 The backfill shall be completed in two stages (i) Side-fill to the level of the top of the pipe (ii) Overfill to the bottom of the road crust.

3.5.3 The side fill shall consist of granular material laid in 15 cm. Layers each consolidated by mechanical tamping and controlled addition of moisture to 95% of the modified Proctor's density. Overfill shall be compacted to the same density as the material that had been removed. Consolidation by saturation or ponding will not be permitted.

3.5.4 The road crust shall be built to the same strength as the existing crust on either side of the trench or to thickness and specifications stipulated by the Highway Authority.

3.6 When utilities are allowed overhead, the horizontal and vertical clearance in accordance with the IRC shall be maintained.

4. Procedure for processing application for granting permission for use of highway land: Any person who intends to obtain permission shall make an application online in the prescribed form to Highway Administration or an officer authorized by Highway Administration on his behalf. The application must mention details the various safety clearances from the respective authorities such as Directorate of Electricity, Chief Controller of Explosives, Petroleum and Explosives Safety Organization, Oil Industry Safety

Directorate, State/Central Pollution Control Board and any other statutory clearances as applicable, which must be obtained by the Applicant before applying to the Highway Administration.

The application 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). The permission for laying utility services is to be normally granted within 30 days from the day of closure of public objections and claims. If no communication is received from the Highway Administration within 30 days from the day of closure of public objections and claims, the permission shall be deemed to be granted. The initial permission would be valid for a maximum of 5 years at a time, which can thereafter be considered for renewal. On payment of additional fee at the time of renewal, the permission shall automatically be renewed, unless defaults exist. In case of renewal, rate prevailing at the time of renewal shall be charged.

5. **Charges for granting licence for use of highway land:** For the purpose of license fee/lease rentals, the utilities have been divided into two categories; i) Public utilities and b) Industrial utilities as per the details given in **Annexure I.**

License Fee/lease rentals described below is for Industrial utilities. The license fee for Public utilities shall be 33% of the fee prescribed for Industrial utilities.

5.1 The following methodology shall be followed for license fees/lease rental determination for utility service lines other than localized infrastructure facilities like towers, repeaters and junction boxes).

License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,

Utilized NH land area = Outer diameter/width of the concerned utility line X length

5.2 The following methodology shall be followed for license fees/lease rental determination for utility services such as towers/repeaters/ junction boxes etc.

License Fees (Rs/sq m/ month) = (Utilized NH land area X prevailing Circle Rate of land per unit area) / (10 x 12) where,

Utilized NH land area = Projection of utility on the ground including area of support system/tower

However, for public utilities, area below the support system/tower shall only be charged.

5.3 Fee shall have to be paid in advance for the period for which permission is granted. In case of renewal, rate prevailing at the time of renewal shall be charged. Delay in deposition of fee shall attract interest @ 15% per annum compounded annually.

5.4 A system to redress grievances and to consider relaxation from the guidelines, in exceptional cases, shall be notified separately and shall be effective from the date of notification.

. All required restoration, maintenance work subsequent to laying of utility services shall e required to be undertaken by the Licensee at its cost either by itself or through its uthorized representative in consultation with the Authority as per predetermined time hedule and quality standards. To process for the granting of permission and prior to gning of Lease agreement, a Performance Bank Guarantee for an amount based on per ute metre with a validity of one year initially, in the prescribed format (extendable if juired till satisfactory completion of work) shall have to be furnished by the utility service ovider/ Licencee, as a security against improper restoration of ground in terms of

filling/unsatisfactory compaction damages caused to other underground installations/utility services & interference, interruption, disruption or failure caused thereof to any services etc.;

Utility services such as pipes etc (rate in per m) provided in the ducts already provided	Rs 50
<= 300 mm dia/width	Rs 100
>300 mm dia/width but < =1000 mm	Rs 250
>1000 mm	Rs 500
Utility services such as towers etc (rate in Rs per sq m)	Rs 100

In case the Licensee fails to discharge the obligation of making good of the excavated trench/other restoration work, the Authority shall have a right to make good the damages caused by excavation, at the cost of the Licensee and recover the amount by forfeiture of the Bank Guarantee. In case, the Performance Bank Guarantee is invoked as mentioned above, the Licensee shall be required to replenish and reinstate the required Performance Bank Guarantee within one month of such invoking.

Notwithstanding this, the Licensee shall be liable to pay full compensation to the aggrieved Authority/ its designated agency for any damage sustained by them by reason of the exercise of the RoW facility.

7. The Authority shall enter into a License Agreement with the respective utility service provider in the format enclosed (Appendix) including any other conditions imposed by Highway Administration, to ensure safe and uninterrupted flow of traffic. Post signing of the agreement, the utility service provider shall be designated as 'Licensee' for the purpose of this project and will be authorized to install and operate utility services within the NH RoW. However, utility services shall be made operational by the Licensee only after a completion certificate to the effect is issued by the Highway Administration.

Encls: As above.

Manoj Kumar.

(Manoj Kumar)
Executive Engineer(NFSG) (S,R&T) (Roads)
For Director General (Road Development) & SS

Copy to:

1. All Technical Officers in the Ministry of Road Transport & Highways
2. All ROs and ELOs of the Ministry
3. The Secretary General, Indian Roads Congress
4. The Director, IAHE
5. Technical circular file of S&R (R) Section
6. NIC-for uploading on Ministry's website under "What's new"

Copy for kind information to:

7. PS to Hon'ble Minister (RTH&S)
8. PS to Hon'ble MOS (RTH&S)
9. Sr. PPS to Secretary (RT&H)
10. PPS to DG (RD) & SS
11. PPS to SS&FA
12. PS to ADG-I/ ADG-II
13. PS to JS (T)/ JS (H)/ JS (LA&C)/ JS (EIC)

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Annexure I

Public Utility provider and Industrial Infrastructure

A. Public Utility Provider

A **Public Utility Provider** in context of this Guideline shall mean any organization that provides and maintains the infrastructure for a public service like electricity, gas, water supply, telecom cables and sewage disposal subject to applicable regulation.

B. Eligible activities for Industrial Units or 'Industrial Infrastructure'

Industrial Infrastructure in context of this Guideline shall mean any physical infrastructure that is required to facilitate industrial operations and is constructed, operated and maintained along/across Right of Way of National Highways. Such infrastructure shall include the following:

a. Underground & above ground pipelines including provisions for booster pumping facilities, maintenance bays and other required support infrastructure for transport of legally permitted materials for industrial usage by a business entity having valid license for industrial operations.

b. Conveyor Belts including provisions for maintenance bays and other required support infrastructure for transport of legally permitted materials, by a business entity having valid license for industrial operations.

c. Power cables/wires etc. meant for industrial usage by a business entity having valid license for industrial operations.

Any other such associated industrial infrastructure facility.

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
National Highways Authority of India
(Ministry of Road Transport & Highways, Government of India)
परियोजना कार्यान्वयन इकाई - तूतीकोरिन / Project Implementation Unit - Tuticorin
तूतीकोरिन-तिरुनेलवेली NH-138, थट्टपारई विलक्कु, पुदुकोट्टई पी.ओ, तूतीकोरिन - 628 103
Tuticorin-Tirunelveli NH-138, Thattaparai Vilakku, Pudukottai P.O., Tuticorin - 628 103
दूर/Tele: 0461 2340968 इ मेल/E mail: piututynhai@gmail.com, tuticorin@nhai.org वेब/Web: www.nhai.gov.in

Ref:11012/NHAI/PIU/TUT/AAI/2023/A92. **Date:02.07.2024**

Minutes of Meeting

Subject: Operation and Maintenance of Tuticorin to Tirunelveli Section of NH-138 from Km 0.000 to Km 47.250 in Tamil Nadu – Resolution of Issues Related to the Proposal for Erection of 22 KV DC Overhead Transmission Line from Km 18+910 to Km 19+510 and Across at Km 18+910 of NH 138.

Attendees:

NHAI – PIU, Tuticorin:

- Shri Shivam Sharma, Project Director, NHAI, PIU-Tuticorin
- Shri Murugan, Site Engineer, NHAI, PIU-Tuticorin

Supervision Consultant:

- Shri Selvaraj, Residential Engineer, M/s. Bloom Companies LLC

Airport Authority of India:

- Shri Francis Xavier, JGM, Airport Authority of India
- Shri Manoob M. Ismail, Assistant General Manager, Airport Authority of India

TANGEDCO:

- Shri S. Jeyakumar, Assistant Executive Engineer, TTN, TNEB
- Shri R. Suresh Kumar, Assistant Engineer, Pudukottai

Meeting Objective: To address and resolve issues related to the proposal for the erection of a 22 KV DC overhead transmission line from Km 18+910 to Km 19+510 and across at Km 18+910 of NH 138.

Discussion Summary:

1. **Proposal Review:**
   - Shri Francis Xavier, JGM, Airport Authority of India, visited the office on 01.07.2024 to seek early approval of the proposal. It was clarified that the work is to be executed by TANGEDCO as a deposit work. Certain deficiencies were noted in the proposal, prompting the need for this meeting on 02.07.2024.

2. **Meeting Proceedings:**
    - The meeting was chaired by the Project Director, PIU-Tuticorin, and attended by officials from the Airport Authority of India, TANGEDCO, and M/s. Bloom Companies LLC. It was held at 02:30 PM in the Project Director's chamber at PIU-Tuticorin.

Key Points Discussed:

- **Proposal Details:**
    - The proposal for issuing a No Objection Certificate (NOC) for the erection of 22 KV electrical lines with 15 poles along the road from Km 18/910 to Km 19/510 (RHS) and across at Km 18/910 of NH-138, covering a total length of 644 meters (600 meters along and 44 meters across) was submitted by the General Manager (Engineering), Airport Authority of India, on 18th June 2024.
- **Regulatory Compliance:**
    - It was noted that the proposed overhead line crossing at Km 18.910 did not comply with the CEA Regulation 2023. The proposal needs to be reviewed and resubmitted in accordance with CEA norms. This was agreed upon by AAI and TNEB officials. AAI officials were requested to submit a revised plan, undertaking, license deed, indemnity bond, and checklist, which they agreed to provide.
- **Safety Concerns:**
    - The proposed placement of an electrical pole along the road from Km 19.230 to Km 19.000 was deemed potentially hazardous to nearby residents, particularly due to the risk of live wires falling during strong coastal winds. TANGEDCO is required to submit a safety certification, countersigned by the applicant, detailing the methodology for ensuring public safety. This was agreed upon by AAI and TANGEDCO officials.
    - Existing electric lines at the edge of the Right of Way (ROW) could pose a hazard if new lines are erected. TANGEDCO must provide a safety certification, countersigned by the applicant, ensuring minimum horizontal clearance between existing and proposed lines. This was also agreed upon by AAI and TANGEDCO officials.
- **Utility Impact:**
    - The erection of poles should not impact the existing IOCL gas pipeline, nor should the operation of the overhead electric line pose any risk to the pipeline. TANGEDCO must submit a safety certification, countersigned by the applicant, confirming no adverse effects. This was agreed upon by AAI and TANGEDCO officials.

Conclusion: The meeting concluded with a vote of thanks to all participants for their contributions.

भवदीय| With Regards,

02/07/2024

परियोजना निदेशक | Project Director
पकाई- तूतीकोरिन | PIU - Tuticorin.

Bloom/SC/Tuticorin-Tirunelveli/NH-138/NHAI/2024/127 **Date: 22.07.2024**

To,

The CFO cum Project Director,
Tuticorin Port Road Company Limited,
Project Implementation Unit, Tuticorin-Tirunelveli NH-138,
Thattaparai Vilakku, Pudukottai,
Tuticorin (TN)-628103.

Sub: Consultancy Services for Supervision Consultants of Operation & Maintenance of from Km 0+000 to Km 47+250 on Tuticorin Tirunelveli section of NH-138 (Old NH-7A) in the state of TamilNadu - **Request to recommendation of the proposal – Proposal for erection of 22 KV DC Overhead transmission line from Km. 19+100 to Km. 19+510 and across at Km.19+100 of NH 138 – Recommended - Reg.**

Ref: i) That office Letter No:11012/NHAI/PIU/TUT/AAI/2023/540 dated:19.07.2024.
ii) The General Manager (Engineering), Airport Authority of India Lr. No. Nil dated: 19.07.2024.
iii) 11012/NHAI/PIU/TUT/AAI/2023/491 dated: 02.07.2024.

With reference to the above subject, the proposal received from General Manager, Airport Authority of India regarding permission for erection of 22 KV over head transmission line along the road from Km.19+100 to Km.19+510 RHS with 12 poles and across the road at Km. 19+100 by HDD method in NH-138 Road (Tuticorin-Tirunelveli Section). The site was inspected on 20/07/2024 and the following observation is brought to the kind perusals.

Along the road:

S. No	Chainage From	Chainage to	Side	Distance
1	Km.19+100	Km.19+510	RHS	410 m
	Total Distance in m			**410 m**

Across the road:

S. No	Crossing at chainage	Distance
1	Km.19+510	44 m
	Total Distance in m	**44 m**

Total Distance = 410+ 44= 454 m

Office Corporate Office India: Bloom Companies LLC, 2nd Floor, Tower-A, Capital Business park, Above Croma, Sohna road, sector-48, Gurugram-122018 **Phone**-0124-4292105
Site Office: Plot no.33, VOC 3rd street(East), VOC Nagar, V.M.Chatram,Tirunelveli,Tamil Nadu,
Website: www.bloomcos.com **E-Mail**: tuticorin-tirunelveli@bloom-india.com **CIN**: F04568

1. The work shall be carried out as per the proposal submitted by the applicant
2. The observation raised by the Authority for the previously submitted proposal are attended by the Applicant are as follows,

I. The proposal was revised as per the CEA Regulation 2023. the overhead line crossing was changed into HDD crossing.

II. Safety certification on Guarding, Minimum horizontal clearance and No impact on other existing utilities countersigned by TANGEDCO and AAI officals are enclosed in the proposal.

3. In case on any further widening works that may be taken up at future date due to revised plan then the applicant shall be responsible to shift the HT line (if required) affecting the NHAI ROW.
4. The applicant shall inform NHAI/Supervision Consultant before starting and as well as at the time of work.
5. While carrying out the HDD crossing of electrical line, if any defects found in road portion, BG will en-chased to NHAI.

Hence, in the view of above we are hereby recommending the submitted proposal after scrutinized and verified as per MoRTH guidelines at site for your further action.

This is for your kind information and necessary action.

With regards,

Bloom / CPC / JR TVL

(S.S.Selvaraj)
Highway Maintenance cum Resident Engineer

CC: 1. The Regional Manager, Bloom Companies LLC, Tamilnadu.

Office Corporate Office India: Bloom Companies LLC, 2nd Floor, Tower-A, Capital Business park, Above Croma, Sohna road, sector-48, Gurugram-122018 **Phone**-0124-4292105
Site Office: Plot no.33, VOC 3rd street(East), VOC Nagar, V.M.Chatram,Tirunelveli,Tamil Nadu,
Website: www.bloomcos.com **E-Mail**: tuticorin-tirunelveli@bloom-india.com **CIN**: F04568