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GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT & HIGHWAYS

REGIONAL OFFICE;  
Quality Control Building,  
Errum Manzil,  
Hyderabad-500082  
Dated: 21.08.2019

No.RW/HYD/Misc-24(D)/utility services/212

Sub: Proposal for permission for laying of Optical Fiber cable along and across the NH-09 Hyderabad- Vijayawada Section from the Km 112.800 to Km 115.600 for a total length of 2.80 Km in the State of the Telanagana-Reg.

Ref: i) The Project Director, PIU NHAI, Hyderabad letter No. NHAI/PIU-HYD/Hyd-Vij/BSNL/2018/722 dated 16.08.2018

The Project Director, PIU NHAI, Hyderabad vide letter cited under reference i) has submitted therewith a Proposal for permission for laying of Optical Fiber cable along and across the NH-09 Hyderabad- Vijayawada Section from the Km 112.800 to Km 115.600 for a total length of 2.80 Km in the State of the Telanagana.

2. The proposal has been broadly examined as per Ministry's Guidelines issued vide letter no.RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and are generally found in order

3. In view of above, as per Ministry's guideline Para 4, public comments is invited on the above proposal for seeking claims and raising objections (on grounds of public inconvenience, safety and general public interest) for 30 days on public portal i.e. website of Ministry of Road Transport and Highways ([www.morth.nic.in](http://www.morth.nic.in)) as per Form-A (copy enclosed) for "Accommodation of Public and Industrial Utility Services along and across National Highways" by.

The Chief-Engineer-Regional Officer

Regional Office Hyderabad

Quality Control Building, 2<sup>nd</sup> floor,

Errum Manzil Colony

Hyderabad - 500082

Email Id: rohyd-morth@nic.in

Yours faithfully,



G R Choudhary

Executive Engineer

For Chief Engineer-Regional Officer cum Highway Administrator

Copy to:-

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi- 110001 for uploading on Ministry's website.

**FORM-A**

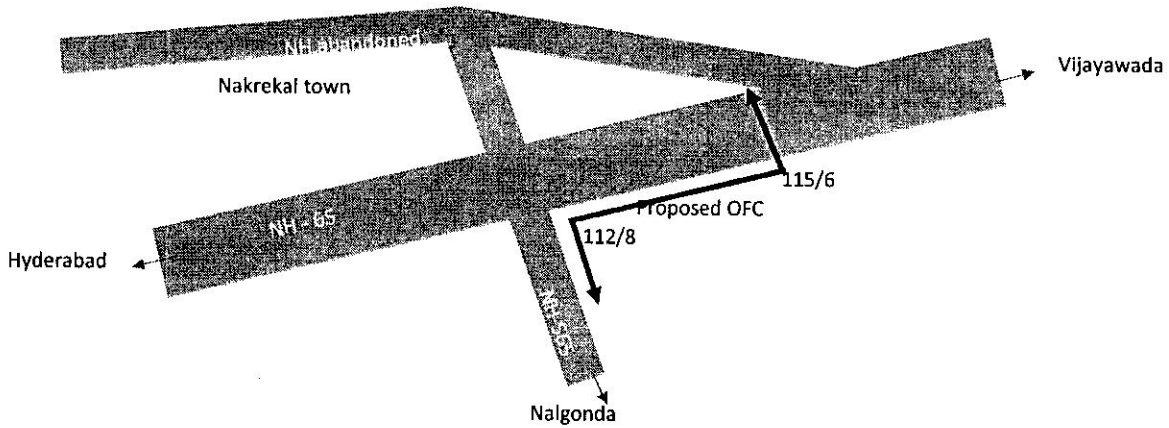
Form for seeking claims and objections (on grounds of public inconvenience, safety and general public interest) on the application for Accommodation of Public and Industrial Utility Services along and across National Highways

Sub: Proposal for permission for laying of Optical Fiber cable along and across the NH-09 Hyderabad- Vijayawada Section from the Km 112.800 to Km 115.600 for a total length of 2.80 Km in the State of the Telanagana-Reg.

The claims and objections (on grounds of public inconvenience, safety and general public interest) by the general public needs to be given within 30 days of uploading the online application for comments

Sl. No	Item	Details
1	Name of the person who is desiring to give claims and objections (on grounds of public inconvenience, safety and general public interest)	
2	Address of the person	
3	Details of the application for Accommodation of Public and Industrial Utility Services along and across National Highways against which claims and objections are being given (name of applicant and other details like site address etc.)	
	j) Application No.	
	k) Name of applicant ( who applied to Accommodation of Public and Industrial Utility Services along and across National Highways)	
	l) Details of Application	
4	The claims and objections (on grounds of public inconvenience, safety and general public interest)	

**LINE DIAGRAM OF NHA1 SECTIO OF NALGONDA-NAKREKAL OFC ROUTE**



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**DIVISIONAL ENGINEER BSNL**  
**OFC PROJECTS HYDERABAD**

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**Project Director**  
**NHAI, PIU**  
**HYDERABAD**

note: As per Z.E Report date 3/8/2018, the details from Km 112/800 to Km 115/600 is as follows

- ① Road width available - 60m
- ② Avenue plantation from median to 2<sup>nd</sup> Row - 25m
- ③ E~~levation~~ drain from median centre is at 26-27m
- ④ Utility area available for laying OFC from median Centre is 28-30m

⑤ AS far as laying of OFC cable MeAI will merit to lay only at extreme edge of Row.

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**c) . HDD METHOD for Road Crossing :**

Ground Level

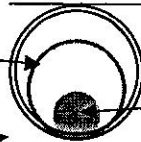
Ground Level

165 Cms

40 mm dia PLB Pipe

Fibre Cable

50 mm dia. DWC Pipe



Optical

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**DIVISIONAL ENGINEER BSNL  
OFC PROJECTS HYDERABAD**

**CHECK LIST**Name of the work: **OFC scheme** from Nalgonda - Nakrekal **OFC Route** of **NALGONDA SSA****Check List for getting approval for laying of OFC line on NHAI Land**

Sl. No.	Item	Information / Status	Remarks
1	General Information		
1.1	Name and Address of the Applicant / Agency	Divisional Engineer, OFC Project, BSNL, Hyderabad	
1.2	National Highway Number	NH-65	
1.3	State	Telangana	
1.4	Location	Nalgonda - Nakrekal <b>OFC Route</b> of <b>NALGONDA SSA</b>	
1.5	(Chainage in Kms)	<b>Km.112.800 to Km.115.600 as a part of Nalgonda - Nakrekal OFC Route</b>	
1.6	Length in Meters	<b>2800 Mtrs.</b>	
1.7	Width of available RoW	60 Mtrs.	
(a)	Left Side from center line towards increasing chainage / Kms. direction		
(b)	Right side from center line towards increasing chainage / Kms. direction	<b>Km.112.800 to Km.115.600= 2.8 Kms.</b> as a part of Nalgonda - Nakrekal OFC Route	
1.8	Proposal to lay underground OFC line		
(a)	Left Side from center line towards increasing chainage / Kms. direction		
(b)	Right side from center line towards increasing chainage / Kms. direction	28 to 30 Mtrs.	
1.9	Proposal to acquire land		
(a)	Left side from center Line	NA	
(b)	Right side from center Line	NA	
1.10	Whether proposal is in the same side where land is not to be acquired. If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route	Utilities are laid	
1.12	Number of lanes (2/4 /6/8 lanes) existing	4 Lane	
1.13	Proposed Number of lanes (2 Lanes with paved shoulders /4 / 6/8 lanes)	4 Lane	
1.14	Service road existing or not if yes then which side	Existing (Left)	
(a)	Left side from center line	-	
(b)	Right side from center line	-	
1.15	Proposed Service road	-	
(a)	Left side from center line	-	
(b)	Right side from center line	-	
1.16	Whether proposal to lay OFC Line is after the service road or between the service road carriageway	After the Service Road	

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**Project Director**  
**NHAI, PIU**  
**HYDERABAD.**

1.17	The permission for laying of OFC Line shall be considered for approval / rejection Ministry Circulars mentioned as above.	Approval	
(a)	Carrying of sewage / gas pipe lines on highway bridges shall not be permitted as Furnes / gasses pipes accelerate the process of corrosion or may Explosions, thus, being much more injurious of water	NA	
(b)	Carrying of OFC lines on bridges shall discouraged. However, if the water supply seem to have no other viable alternative and bridge is finalized, they may be permitted to pipe line on independent superstructure, extended portions of piers and abutments in manner that in the final arrangement enough around the superstructure of the bridge for inspection and repairs, etc.,	Drawing given	
(c)	Cost of required extension of the substructure as that of the supporting superstructure shall the agency-in-charge of the utilities.	NA	
(d)	Services are not being allowed parapet / any part of the bridges, safety of the to be kept in view while permitting various bridge. Approvals are to be accorded in this the concurrence of the <b>Ministry's Project Engineers Only.</b>	NA	
1.18	If crossing of the road involved. If Yes, it shall be either encased in pipes or structure or conduits specially built for that expenses of the agency owning the line	Kms. 115/600	
(a)	Existing drainage structures shall not be allowed to carry the lines	Yes	
(b)	Is it on a line normal to NH	Yes	
(c)	Crossing shall not be too near the structures on the National Highway, the distance being 15 Meter. What is the existing structures.	Yes	
(d)	The casing pipe (or conduit pipe in the electric cable) carrying the utility line shall cast iron, or reinforced cement concrete adequate strength and be large enough to ready withdrawal of the carrier pipe / cable.	Yes	
(e)	Ends of the casing / conduit pipe shall be from the outside, so that it does not act as path.	Yes	
(f)	The Casing / conduit pipe should, as extend from drain to drain in cuts and toe of slope in the fills.	Yes	
(g)	The top of the casing / conduit pipe should least 1.2 Meter below the surface of the road subject to being at least 0.3 M below the drain inverts.	1.65 Mtrs	
(h)	Crossing shall be by boring method (HDD) specially where the existing road pavement cement concrete or dense bituminous concrete type.	HDD	
(i)	The casing / conduit pipe shall be installed even bearing throughout its length and in manner as to prevent the formation of a along it.	Yes	
2	Document / Drawing enclosed with the proposal	Yes	

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 Project Director  
 NHAI, PIU  
 HYDERABAD

2.1	Cross section showing the size of trench for open trenching method (is it normal size of 1.2 M deep X 0.3 M wide)	Depth 1.65 Mtr x Width 0.45 Mtr.	
(i)	Should not be greater than 60 Cms wide than diameter of the pipe	Yes	
(ii)	Located as close to the extreme edge of the as possible but not less than 15 Meter from centre -lines of the nearest carriageway	28 to 30 Mtrs.	
(iii)	Shall not be permitted to run along the Highways when the road formation is situated cutting. Nor shall these be laid over the and birdges	NA	
(iv)	These shouldbe so laid that their top is at 0.6 Meter below the ground level so as not drainage of the road land.	1.2 Mtr	
2.2	Cross section showing the size of pit and location of Cable for HDD method	Yes	
2.3	Strip plan / route plan showing OFC line, Chainage, width of RoW, distance of from the edge of RoW important mile stone, intersections, cross drainage works etc.	Yes	
2.4	Methodology for laying of showing OFC	Open Trench Method	
2.4.1	Open trenching method. (May be allowed in utility corridor only where pavements is neither nor dense bituminous concrete type. If yes of refilling of trench)	Yes, the trench would be filled in layers and compacted	
(a)	The trench width should be at least 30 Cms, more than 60 Cms. Wider than the outer pipe.	Yes	
(b)	For filling of the trench, Bedding shall be to a not less than 30 Cms. It shall consist of free of lumps, clods and cobbles and graded firm surface without sudden change in the unsuitable soil and rock edged should be replaced by selected material.	Yes	
(c)	The backfill shall be completed in tow stages fill to the level of the top of the pipe and (ii) bottom of the road crust.	Yes	
(d)	The sidefill shall consist of granular material cm layers each consolidated by mechanical and controlled addition of moisture to 95% of proctor's Density. Overfill shall be compacted same density as the material that had been consolidation by saturation or ponding will not permitted.	Yes	
(e)	(e)The road crust shall be built to the same the existing crust on either side of the trench. be taken to avavoid the formation of a dip at the	Yes	
(f)	(f) The excavation shall be protected by and barriecades, and red lights during night	Yes	
(g)	(g) If required, a diversion shall be constructed at the expense of agency owning the utility line	Yes	
2.4.2	Horizontal Directional Drilling (HDD) Method	HDD for Crossings	
2.4.3	Laying of OFC Line through CD works and method of laying		
(a)	(a) On approaches, the water mains/ cables carried along a line as close to the edge of the way as possible up to a distance of 30 m from and subject to tall other stipulations contained Ministry's guidelines issued with Letter No. NH-dated.19-11-1976.	Yes	

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**Project Director**  
**NHAI, PIU**  
**HYDERABAD**

3	Draft License Agreement signed by two witnesses	Yes	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ 100/- per running meter NH) and One year initially (extendable if required satisfactory completion of work) as a ensuring / making good the excavated the cables / ducts by proper filling and clearing debris / loose earth produced due to of trenching at least 50 m away from the right of way. No payment shall be payable NHAI to the licensee for clearing.	Yes (Undertaking is given that once the proposal is approved the BG will be furnished)	
4.1	Performance BG as per above is to be obtained.	Yes	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Yes	
5	<b>Affidavit / undertaking from the applicant for</b>		
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned	Yes undertaking given	
5.2	Renewal of Bank Guarantee	Yes undertaking given	
5.3	Confirming all standard condition of NHAI's guidelines	Yes undertaking given	
5.4	Shifting of OFC Line as and when required NHAI at their own cost	Yes undertaking given	
5.5	Shifting due to 6 lanning / widening of NH	Yes undertaking given	
5.6	Indemnity against all damages and claims clauses (xxiv)	Yes undertaking given	
5.7	Traffic movement during laying of OFC line	Yes undertaking given	
5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes undertaking given	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or alternations to the showing OFC in the National Highway right-of-ways.	Yes undertaking given	
5.10	Expenditure, if any, incurred by NHAI for repairing any damage caused to the National Highway by maintenance or shifting of the Water supply be borne by the agency owning the line	Yes undertaking given	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or road, it will be carried out as desired by the cost of the agency owning the utility line within reasonable time (not exceeding 60 days) of the intimation given.	Yes undertaking given	
5.12	Certificate from the applicant in the following		
(i)	(i) Laying of OFC line will not deleterious effects on any of the bridge and roadway safety for traffic.	Certificate enclosed	
(ii)	(ii) for 6 - lanning "We do undertake that I will service road / approach road / utilities at my own notwithstanding the permission granted within as will be stipulated by NHAI" for future six laning any other development"	Certificate enclosed	
6	Who will sign the agreement on behalf of OFC line agency	Divisional Engineer, OFC Proect, BSNL, Hyderabad	
7	Certificate from the Project Director	Yes / No	

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