



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय)

National Highways Authority of India

(Ministry of Road Transport & Highways)

कार्यालय क्षेत्रीय अधिकारी, आंध्र प्रदेश क्षेत्र

Office of the Regional Officer, Andhra Pradesh Region

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

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

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भारतमाला
प्रगति के पथ पर अग्रसर
BHARATMALA
ROAD TO PROSPERITY

Lr.No NHAI/RO-VJA/11045/NOC/2020-21/ 329

Dt.11.02.2021

INVITATION OF PUBLIC COMMENTS

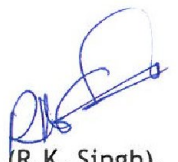
Sub: RO - Vijayawada - Proposal submitted by the Executive Engineer PD-III, Grater Visakhapatnam Smart City Corporation Limited (GVSCCL) seeking permission for crossing the NH-16 with horizontal boring method at Gajuwaka Police Station at Km.723.650 of NH-16 - Public comments - Reg.

The Project Director, PIU - Visakhapatnam submitted a proposal of Grater Visakhapatnam Smart City Corporation Limited (GVSCCL) seeking permission for laying the pipeline across NH-16 with horizontal boring method at Gajuwaka Police Station at Km.723.650 of NH-16 for a length of 60m.

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

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

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


(R.K. Singh),
Regional Officer
RO - Vijayawada



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय)

(MINISTRY OF ROAD TRANSPORT & HIGHWAYS)

परियोजना कार्यान्वयन इकाई (जि.क्यू), भा.रा.रा.पा. एन्क्लेव, कि.मी.2/8 रा.रा.5.,
Project Implementation Unit (GQ), NHAI Enclave, KM 2/8 NH-16

हनुमन्तवाका, विशाखपट्टणम - 530 040, ए.पि., भारत
Hanumanthavaka, Visakhapatnam - 530 040, A.P., India



भारतमाला

प्रगति के पथ पर अग्रसर

BHARATMALA
ROAD TO PROSPERITY

दूरभाष / Phone : 0891-2707600

2714119

फाक्स / Fax No. : 0891-2714118

ई-मेल / E-mail : vis@nhai.org

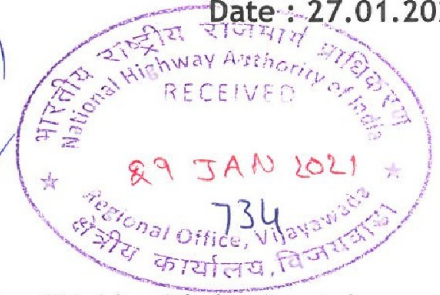
Ref. No.: NHAI/PIU-VSP/GVMC-WSPL-723.650/2020/ 6970

Date : 27.01.2021

To

The Regional Officer,
National Highways Authority of India
Regional Office, Plot No. 21,
Teacher's Colony, Gurunanak Nagar Road,
VIJAYAWADA - 520 008

Handwritten signature and initials



Sub: NHAI, PIU, Visakhapatnam : Permission for crossing the NH-16 with horizontal boring method at Gajuwaka Police Station at Km 723.650 - Proposal submitted - Reg.

- Ref:
1. Letter No. GVSCC/Projects/APUIAML(S&TW)/2017-18 dated 18.10.2020 of the Superintending Engineer, GVSCCL, Visakhapatnam
 2. This office letter No. NHAI/PIU-VSP/Permission-GVSCCL/2019/6220 dated 22.10.2020
 3. Letter No. MSV-Armange/O&M/NHAI-PIU-VSP/GVSCCL/Crossing/2019-20/247 dated 13.11.2020
 4. This office letter No. NHAI/PIU-VSP/Permission/GVSCCL/2019/6469 dated 25.11.2020
 5. Letter No. GVSCC/Projects/APUIAML(S&TW)/2017-18 dated 08.12.2020 of the Executive Engineer PD-III, GVSCCL, Visakhapatnam
 6. Letter No. MSV-Armange/O&M/NHAI-PIU-VSP/GVSCCL/Crossing/2020-21/280 dated 05.01.2021

Sir,

1. It is to submit that the Superintending Engineer PD-III vide letter 01st cited has submitted the proposal for crossing the NH-16 with horizontal boring method at Gajuwaka Police Station at Km 723.650 which has been forwarded to the Independent Consultant vide this office letter 02nd cited. A joint inspection has been carried out on 02.11.2020.
2. Vide reference 03rd cited, the Independent Consultant has furnished certain observations which have been communicated to the Executive Engineer PD-III, GVSCCL vide this office letter 04th cited. Vide letter 05th cited, the Executive Engineer PD-III, GVSCCL has submitted the compliance to the observations. The same has been endorsed to Independent Consultant on 28.12.2020.
3. Vide Reference to 6th cited above the consultant has recommended to consider the permission for above laying of pipeline duly mentioning the details submitted in compliance to their observations.

Building a Nation, Not Just Roads

निगमित कार्यालय : जी-5, एवं.6, सेक्टर-10, द्वारका, नई दिल्ली-110 075. वेब साइट : <http://www.nhai.org>

Corporate Office : G-5 & 6, Sector-10, Dwaraka, NEW DELHI - 110 075, Website : <http://www.nhai.org>

- i) There is no Existing Structures nearer to the proposed laying of 600mm dia DI pipeline through 900mm dia MS casing pipe.
 - ii) Licensee Fees Estimate corrected.
 - iii) Standard Technical Specifications for pipeline crossings using HDD (Horizontal Directional Drilling Method).
 - iv) Plan showing pipeline Crossing on NH-16.
 - v) Crossing Design for laying of pipe.
 - vi) The width of available ROW 60mts corrected in the checklist.
1. The checklist submitted by the Executive Engineer PD-III, GVSCCL is duly verified and are found correct as per the requirement.
 2. The proposed site has been inspected and verified and the points listed as per the guidelines prescribed in the MORTH and is hereby certified that all the standard conditions are being fulfilled. The drawings furnished have been verified at site.
 3. Hence, it is requested to consider the proposal of the Executive Engineer PD-III, GVSCCL favorably and communicate the approval at the earliest.

Encl: Proposal in 2 sets (01 original + 01 duplicate)

Yours faithfully,


[P. Siva Sankar]
GM (T) & Project Director

27/1/21

CERTIFICATE

This is to certify that the proposal for crossing the NH-16 with horizontal boring method at Gajuwaka Police Station at Km 723.650 is confirming of all standard condition issued vide Ministry's guidelines.

It is certified that providing the Water Supply pipeline in another location would be extremely difficult and unreasonable costly and the installation of Water Supply pipeline 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.

It is certified that there will be no hindrance to proposed six-laning based on the feasibility report considering proposed structures at the said location".


GM (T) & Project Director


[P. Meera Anusha]
Manager (T)

ANNEXURE - I


Calculation of License Fees & Bank Guarantee Amount

Proposal for crossing the NH-16 with horizontal boring method at Gajuwaka Police Station Km 723.650 under the jurisdiction of NHAI, PIU,
Visakhapatnam

Sl. No.	Name of Village	Chainage		Length	Width	Area required Sq. Mtrs.	Prevailing rate of Land in Rs./Sq. Yard (As per Revenue Records)	Prevailing rate of Land in Rs./Sq. Mtrs. (Rate per Sq. Yard *1.196)	Amount Rs.	Remarks
		from km	to km							
2	Crossing at Chinagantyada Village : Km 723.650	---	---	60.0000	1.000	60.00	20,500	24,518.00	14,71,080	
				60.000						
Total Amount										
License Fees (Rs./month) = 1471080/10*12										
Total License Fees for 5 years = 12259*12*5										
Total License Fees payable by GVSCCL for crossing NH-16 at Km 723.650 -----> (For Public Utility 33% of Industrial Utilities as per point No. 5 of MoRTH gude lines vide letter No. RW/NH-33044/29/2015/S&R(R) Dated: 22 nd November, 2016 i.e. Rs. 7,35,540*33%)										
									2,42,728	

Performance Bank Guarantee Amount calculation	
Amount of Performance Bank Guarantee to be submitted = length in Mtrs. x Rs. 250/- per meter as per Point No. 6 of MoRTH gude lines vide letter No. RW/NH-33044/29/2015/S&R(R) Dated: 22 nd November, 2016, i.e. 60 Mtrs. x Rs. 250 (for utility services such as Pipes (>300mm dia / width but <= 1000 mm) etc.,) - Gas Pipeline	15,000


 Manager (T)


 GM (T) & Project Director

CHECK-LIST

Guidelines for project Directors for processing the proposal for laying of Sewerage Pipe Line in the land along National Highways-16 vested with NHAI.

Relevant circulars

- 1) Ministry Circular No. NH-41(58)/68, dated 31.1.1969
- 2) Ministry Circular No. NH-III/P66/76, dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-III/P/66/76, dated 11.5.1982
- 4) Ministry Circular No. RW/NH-11037/1/86-DOI(ii) dated 28/7/1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.1.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 7) Ministry Circular No. RW/NH-34066/7/2003 S&R dated 17.9.2003
- 8) Ministry Circular No. RW/NH-34044/29/2015 S&R dated 22.11.2016

Check list for getting approval for laying of Sewerage Pipe Line on NH land

SI NO	ITEM	Information / status	Remarks
1	General information		
1.1	Name and Address of the Applicant/ Agency	MD&CEO, Greater Visakhapatnam Smart City Corporation Limited. Visakhapatnam.	
1.2	National Highway Number	NH-16	
1.3	State	Andhra pradesh	
1.4	Location	Near Gajuwaka Police Station, Visakhapatnam.	
1.5	Chainage in km	KM 723.65	
1.6	Length in Meters	60	
1.7	width of available ROW		
	(A) Left side from center line towards increasing chainage/ km direction	30 mtr.	
	(B) Right side from center line towards increasing chainage/ km direction	30 mtr.	
1.8	Proposal to lay underground Sewerage Pipe line		
	(A) Left side from center line towards increasing chainage/ km direction	NA	
	(B) Right side from center line towards increasing chainage/ km direction	NA	
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	YES	
	If not then where to lay the pipeline	Edge of the RoW	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of lanes (2/4/6/8 lanes) existing	4 lane	
1.13	proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes	NA	
1.14	service road existing or not if yes then which side	yes	
	(A) Left side from center line	NA	
	(B) Right side from center line	30 mtr	
1.15	proposed service road	NA	
	(A) Left side from center line	NA	
	(B) Right side from center line	NA	

Project Director
National Highways Authority of India
P.I.U. VISAKHAPATNAM

[Signature]
AEE 08/12/20

DEE

[Signature]
EE(PD-III)

[Signature]
SE(P-1)

[Signature]
Manager (T)

SI NO	ITEM	Information / status	Remarks
1.16	Whether proposal to lay water supply/Sewerage pipe line is after the service road or between the service road and main carriageway	Edge of the RoW	
1.17	The permission for laying of pipeline shall be considered for approval/rejection based on the ministry circulars mentioned as above		
	a) where the ROW is more than 45m then the pipeline shall be laid at the edge of right of way within the utility corridor of 2m width,duly keeping in view the future widening	yes	
	b) where land is yet to be acquired for 4 laning and the postion of new carrigeway has been decided then the cable shall be laid at the edge of 2m width ,on that side of existing carrigeway where extra land is not proposed to be acquired for 4 laning	NA	
	c)where the widening plan for 4 laning is not yet decided and availble ROW is around 30m or less, a judicious decision would need to be taken for permitting the laying of pipeline. this could be within 1.5m to 2m utility corridor at the edge of existing ROW, duly keeping in view the possible widening plans	NO	
	d)where ROW is restricted and adequate only to accommodate the carrigeway, central edge, shoulders and drains (eg. Highways in cutting through hilly/ rolling terrian) the cable shall be laid clear of the drain	NA	
	e) where land strip for utility corridor cannot be conveniently earmarked (Availble Row restricted to the toe of the embankment) for laying of pipelines, the permission may be refused.		
1.18	If crossing of the road involved	Yes	
	if yes ,it shall be either encased in pipes or through structure or conduitsspecially built for that purpose at the expenses of the agency owning the line.	Yes, Encased with MS 1000mm dia. Pipe	
	a)Exsisting drianage structure shall not be allow to carry the lines	No	
	b)Is it on a line normal to NH	Yes	
	c)crossing shall not be too near the existing structure on the National high way ,the minimum distance being 15 meters .What is the distance from the exisisting structures.	No.	
	d)The casing pipe (or conduit pipe in the case of electric cable) carring 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.	Casing-MS Pipe 1000 mm	
	e)Ends of the casing /conduitpipe shall be sealed from the out side ,so that it does not act as a drainge path.	yes	
	f) The casing /conduit pipe should , as minimum extended from drain to drain in cuts and toe of slope in 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 0.3m below the drain inverts.	We are going to 1.50mtr depth from ground level	
	h)Crossing shall be by boring method (HDD) specially where the exisisting road pavement is of cement concrete or dense bituminous concrete type.	HDD Method	
	i) The casing /conduit pipe shall be installed with and even bearing throughtout its length and in such a manner as to prevent the information of awaterway alongit.	yes	

Project Director
National Highways Authority of India
P.U. VISAKHAPATNAM

AEE 08/10/2020

DEE

EE(PD-III)


SE(P-1)

Manager (T)

Page 2 of 5

SI NO	ITEM	Information / status	Remarks
1.19	whether the same case of multiple licenses	NA	
1.2	if so furnish a joint implementation programmer to lay their respective ducts within stipulated time frame	NA	
1.21	If crossings of the road involved if yes, it shall only be through trenchless technology.	YES, NH road crossing shall be carried out through trenchless technology (HDD method)	
2	Document/Drawings enclosed with the proposal	YES	
2.1	Crossing section showing the size of trench for open trenching method (is it normal size of 1.2m deep x 0.3m wide) should not be greater than 1.2m width in multiple ducts	NA	
2.2	Cross section showing the size of pit and location of cable for HDD method	yes, HDD cross section attached	
2.3	Strip plan/ route plan showing water supply pipe line chainage, width of ROW, distance of proposed, cable from the edge of ROW, important mile stone intersections, cross drainage works etc.,	paIn Enclosed	
2.4	Methodology for laying of showing water supply pipe line.	Enclosed	
2.4.1	Open trenching method (May be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type.) if yes ,methodology of refilling of trench.	NA	
2.4.2	Horizontal Directional Drilling (HDD) Method	Highways / major roads / railways crossings, streams / drainages and congested buildup areas shall be crossed through HDD method.	
2.4.3	Laying of through CD works and method of laying (whether to be hung outside parapet)	NA	
3	Draft License Agreement signed by two witnesses	yes	
4	Performance Bank Guarantee in Favour of NHAI has to be obtained @Rs.500/ per running meter (parallel to NH) and RS/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 cable/ducts by proper filling and compaction cleaning debris/loose earth produced due to excavation of trenching at least 50m away from the edge of the right of way No payment shall be payable by NHAI to the licenses for clearing debris/loose earth.		
4.1	Performance Bank Guarantee as per above is to be obtained.	undertaking for submission of BG has been obtained from Greater Visakhapatnam Smart City Corporation Ltd.	
4.2	Confirmation of BG has been obtained as per NHAI guidelines.		
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, Enclosed	
5.2	Renewal of Bank Guarantee	Yes, Enclosed	
5.3	Confirming all standard condition of NHAI's guideline	Yes, Enclosed	
5.4	Shifting of water supply pipe line as and when required by NHAI at their own cost	Yes, Enclosed	



Project Director
National Highways Authority of India
P.U. VISAKHAPATNAM


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 SE(P-1)


 Manager (T)

SI NO	ITEM	Information / status	Remarks
5.5	Shifting due to 6 lanning /widening of NH	Yes,Enclosed	
5.6	Indemnity against all damages and claims clause (xxiv)	Yes,Enclosed	
5.7	Traffic movement during laying of water supply pipe line to be managed by the applicant	Yes,Enclosed	
5.8	If any claim is raised by the Concessionaire them the same has to be paid by the applicant	Yes,Enclosed	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation/shifting/repai or alternation to the showing Water supply pipeline located in the National Highways right-of ways.	Yes, enclosed	
5.10	Expenditure, if any incurred by NHAI for repairing any damage caused to the national high way by the laying, maintenance or shifting of the water supply pipe line will be brone by the agency owning the line	Yes, enclosed	
5.11	If the NHAI consider 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 60days) of the intimation given.	Yes, enclosed	
5.12	Certificate from the applicant in the following format: i) Laying of water supply pipe line 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 /utilites 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, enclosed	
6	Who will sign the agreement on behalf of water supply pipe line agency	MD,CEO, Greater Visakhapatnam Smart City Corporation Limited. Visakhapatnam.	
7	Certificate from the project Director		
7.1	Certificate for confirming of all standard condition issued vide Ministry circular No Ministry circular No NH- (58)/68 dated31.1.1969.Ministry circular No NH-III/P/66/76 dated 18/19 11.1976, Ministry circular No RW/NH-11037/18/BB-DDI dated 19.1.1995, Ministry circular No RW/NH-34066/2/95 S&R dated 25.10.1999 and Ministry circular No RW/NH/34066/7/2003 S&R (B) dated17.9.2003		
7.2	Certificate for 6 laning from PD in the following format: i) “it is certificated that any other location of the water supply pipe line would be extremely difficult and unreasonable costly and the installation of Laying of Recycled water supply pipeline within ROW will not adversely affect the design, stability & traffic safety of the highway not the likely future improvement such as widening of the carriageway casing 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)b) In case feasibility report is not available I do certify that sufficient ROW is available at site for accommodating proposed six- laning.		



Project Director
National Highways Authority of India
P.I.U. VISAKHAPATNAM


 AEE 08/12/20

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 EE(PD-III)


 SE(P-1)


 Manager(I)

SI NO	ITEM	Information / status	Remarks
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 lay pipeline has also been granted as a right of way to the concessionaire under the concession agreement for up-gradation of kolkata- chennai section from KM ...TO KM...of NHAI NO.16 on built, operate and Transfer basis and therefore the licensee shall honour the sme.	NA	
9	Who will supervise the work of laying of water supply pipe line	Executive Engineer, (PD-III),	
10	who will ensure that the defects in road portion after laying of water supply pipe line are corrected and if not corrected than what action will be taken.	Executive Engineer, (PD-III),	
11	who will pay claims for damages done/ disruption in working of concessionaire if asked by the concessionaire?	MD&CEO, Greater Visakhapatnam Smart City Corporation Limited. Visakhapatnam.	
12	A certificate from PD that the he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed) .issued vide minstry circular RW/NH/33044/27/2005/S&R@ (Pt). Dated.07.08.2013		
13	If any previous approval is accorded for laying of underground water supply pipe line then photocopy of register of records of permissions accorded as maintained by PD (minstry circular RW/NH/33044/17/2000/S&R Dated.23.072003 as refered in para 13 above enclosed or not	NA	

Signature of Project Director

Paul
Manager (T)

Project Director
National Highways Authority of India
P.U. VISAKHAPATNAM

AEE 08/12/2020

DEE

EE(PD-III)

SE(P-1)

**GREATER VISAKHAPATNAM SMART CITY CORPORATION LIMITED,
(GVSCCL)**

**DETAILS OF LAYING OF DI PIPE LINE (RECYCLED WATER SUPPLY) BY
H.D.D METHOD**

1. The Recycled water supply pipe line (DI 600mm dia) pertaining to the GVMC duly crossing the NH-16 at Km 723.650 Near Gajuwaka Police Station.

- I. Road crossing will be done by HDD method with the auger boring.
- II. Depth of the casing pipe below ground level is 2 meters.

1. Auger boring procedure :

The Auger horizontal earth boring is a process of simultaneously jacking casing through the earth while removing the spoil inside the encasement by means of rotating flight auger. The auger is a lighted tube having dual functions, firstly it has couplings at each end and that transmit torque to the cutting head from the power source located in the bore pit and secondly it serves to transfer spoil back to the machine the casing supports the soil around it as spoil is being removed.

This method requires bore pits both at the entry and exit points of the bore. The size of the boring pit depends on the size and length of the casing pipe used, care should be taken to set the machine on line and grade because once the bore is started, it is not likely to improve during the boring process. The auger boring machine consists of the boring machine, casing pipe, cutting head and augers as the major components. The power source creates the torque which rotates the auger which in turn, rotates the cutting head. The cutting head cuts the soil and the spoil is transported to the machine through the casing by means of the auger which acts as a screw conveyor. After the soil has been cut the entire machine including casing, auger and cutting head are pushed ahead easily, and cutting head comes into contact with fresh soil which it starts cutting in a virtually continuous process with the forward jacking movement of the casing pipe. The standard casing material used with auger boring is steel because the auger rotates inside the casing and there is a danger that it may damage any interior coating or liner that may be in the pipe. In stable ground conditions, the cutting head leads the casing by several inches and the wing cutters on the cutting head over excavate by inch greater than the outside diameter of the casing. Whereas in unstable soils, the wing cutters are

not used and the cutting head is withdrawn into the casing so that there is no over excavation. The pipe size that can be installed by this method ranges from 4 inches (100 mm) to over 60 inches (1500mm). However, the most common size range is 8 inches (200 mm) to 36 inches (900 mm) and the average bore length between 175 KR (53 METERS) and 225 LF (68 meters) through with experience and the use of the latest techniques up to 600 LF (180 Meters) of boring is possible using auger boring.


2. Marking;

The contractor shall provide route indicators and warning Napa slabs as stipulated below for the routes where new D.I pipes are installed under this package. The route indicators shall be and installed as per the site requirement.

3. Markers;

Router markers made of RCC (1:2:4) of length 145 cm and a cross section of 15 cm X 20 cm shall be provided. Route indicators shall be generally provided at 500 mm from the trench away from the road center, at an average of 200m. Route indicators shall also be provided at major directional changes in route (from straight) and at both sides of all types of crossing. 90cm if the marker shall be underground and 55cm shall be above the ground. The portion of route markers above ground shall be painted with orange synthetic enamel paint.

Joint indicators shall be generally provided at each joint location and shall be same as route indicators expect that they shall be green in color. In case joint indicators and route indicator fall in the same location, route indicator shall not be installed and only joint indicator shall be provided.


RCE 08/12/20


EE


8/12

LICENCE FEE ESTIMATE

Name of the Work: Crossing of proposed 600 mm dia DI pipeline through 1000mm dia MS casing pipe near Gajuwaka Police Station, Visakhapatnam at National Highway-16 (KM 723.65) in the state of Andhra Pradesh.

Estimate - A**LICENCE FEE CHARGES**

S.NO	DESCRIPTION	Nos.	MEASUREMENTS			QUANTITY	RATE	UNIT	AMOUNT (in Rs.)
			L	B	D				
1	2	3	4	5	6	7	8	9	10
1	NH -16 Crossing at Chinnagantayada village KM: 723.65	1.00	60.00	1.00	-	60.00	24518.00	Sqm	1471080.00
	Total								1471080.00
	Licence Fee (Rs./Sqm/Month)				1471080 /10 x 12				12259.00
	Licence Fee for 5 Years				5 x 12 x 12259				735540
	The licence fee for public utilities shall be 33% of the prescribed for industrial Utilities as per point no.5 of MORTH guidelines vide letter No.RW/NH/33044/29/2015/S&R(R)Dt.22.11.2016.								242728.20
	Rounding off								242728.00
	(Rupees Two Lakhs Fourty Two Thousand Seven Hundreden Twenty Eight only)								
Performance Bank Guarantee Amount calculation									
	Amount of Performance Bank Guarantee to be submitted = length in Mtr x rs.500/meter as per point no.6 MoRTH guide lines vide letter no. RW/NH-33044/29/2015/S&R(R)Dt 22.11.2016				60 mtr x Rs.500/ mtr				30000.00


ME


EE (PD-III)


SE (P-1) 8/12

SPECIFICATION REPORT

Specification Report to accompanying the estimate towards "License Fee" for crossing of Proposed 600mm dia DI-K9 Carrier Pipe through 1000mm dia MS casing pipe at Near Gajuwaka Police Station, Visakhapatnam, National Highway -16 (KM – 723.650).

Estimate Amount: Rs.242728.00/-


The rate of land abutting NH/SH/ZPP/MPP obtained from the website of Registration & Stamps Department, Government of Andhra Pradesh is used for calculation of the license fee. The list of villages falling in the proposed stretch of road, corresponding chainages and breakup of village wise land rates are as follows:

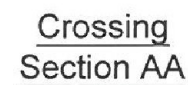
Sl.No.	Name of Village	Chainage (KM)	Length (MTR)	Rate of land abutting NHAI (Rs.)	
				Per Sq Yard	Per Sqm
1	Chinnagantayada (Near Gajuwaka Police Station)	723.65	60	20,500	24518.00

The Land Rate corresponding to the chainage is used for calculation of license fee. Hence the license fee estimate is prepared as per MORTH circular Memo No.RA/NH/33044/29/2015/S&R (R) Dt.22.11.2016. 4046.856


REC




EE (PD-III)


SE (P-1) 8/12



Ø 600mm
MS pipe



	Legend				
	Proposed 600 DIA DI Pipe line (Sewage conveynce Main) encasing in 1000 mm MS Casing Pipe				
⊠	Electric Pole				
Client:-					
		Greater Visakhapatnam Smart City Corporation Limited (GVSCCL), Visakhapatnam			
Program Manager:-					
		Andhra Pradesh Urban Infrastructure Asset Management Limited (APUIAML) Vijayawada			
Project Name:-					
Development of Sewerage System in Gajuwaka area of Visakhapatnam and Supply of Treated Water to various Industries in Visakhapatnam-Package 2					
DRAWN BY:	TR	Drawing Title:- <u>PLAN SHOWING NH-16 CROSSING</u> <u>NEAR SRI NAGAR JUNCTION</u> <u>(GAJUWAKA)</u>			
CHKD BY:	PT				
APRD BY:	KG				
SCALE:	NTS				
DATE:	NOV-2020	DWG NO.	APUIAML	Rev.No.	RO