

No.RO/VJA/Misc-24C/WS/NH-216/2242

Government of India

Ministry of Road Transport & Highways

Regional Office, Vijayawada

Door No.38-2-3/2, Gorledalapanna Veedhi, Near American Hospital, Punnammithota Vijayawada-520010. Tele: 0866-2970220 ; Fax: 0866-2571985

01.28.01.2020

Invitation of Public Comments

Sub: Proposal of M/s.Megha Engineering and Infrastructure Limited seeking permission to lay 4-inch Natural Gas pipeline from Km76/160 to Km82/400 parallel to NH-216 in the Losari-Machavaram section in Krishna District in the state of Andhra Pradesh - Public Comments - Reg.

The Manager, M/s Megha Engineering and Infrastructure Ltd, Krishna has submitted a proposal to lay 4-inch Natural Gas pipeline from Km76/160 to Km82/400 in a length of 6.24Km parallel to NH-216 in the section of Losari - Machavaram in the district of Krishna in the state of Andhra Pradesh.

2. As per the Ministry circular issued vide OM No.RW/NH/33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put the proposal in Ministry's website seeking claims/objections from public (on grounds of public inconvenience, safety and general public interest) for a duration of 30days.

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

Address: The Regional Officer
Ministry of Road Transport & Highways
Regional Office, Vijayawada
Door No.38-2-3/2, Gorledalapanna Veedhi,
Near American Hospital, Punnammithota, Vijayawada-520010.
Tele: 0866-2970220 ; Fax: 0866-2571985
Email: romorthvijayawada@gmail.com

4. This issues with the concurrence of the Highway Administration cum Regional Officer, MoRTH, Vijayawada.

Yours faithfully,



(B. Sai Sreenivas)

Asst. Executive Engineer
Regional Office, Vijayawada.

Encl: As above

Copy to:-

1. Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's website.
2. The Manager, M/s Megha Engineering and Infrastructure Ltd, Krishna for information.

CHECK - LIST NH-216

Guidelines for Project Directors for processing the proposal for laying of Gas Pipe Line in the land along Ministry of Road Transport Highways (MORTH).

Relevant Circulars of Ministry of Road Transport and Highways

- 1) Circular No. NH-III/P/66/76 dated 18/19.11.1976
- 2) Circular No. RW/NH-III/P/66/76 dated/11.05.1982
- 3) Circular No. RW/NH-11037/1/86/DOI(ii) dated 28.07.1993
- 4) Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 5) Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 6) Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003

Check list for getting approval for laying of Gas Pipe Line on NH 216

General information:

Sr.No.	Item	Description
1	National Highway No.	NH-216
2	State	Andhra Pradesh
3	Location	Machilipatnam
4	Chainage in Km	Km76.160 to Km82.400
5	Side of NH	RHS from 76.160 to Km 78.960 & LHS from Km78.960 to Km82.400
6	Name of Highway Authority	Regional Officer, Ministry of Road Transport and Highways
7	Address of Highway Administration	Regional Officer, Ministry of Road Transport & Highways, Gorledalapanna Street, Vijayawada-520010
8	Name of the Company	M/s Megha Engineering & Infrastructure Ltd.

The permission for laying of Gas Pipe Line shall be considered for approval / rejection based on the Ministry Circulars mentioned as above.

- (a) Carrying of sewage/gas pipelines on Highway Bridges shall not be permitted as Fumes/gases pipes can accelerate the process of corrosion or may cause explosions, thus, being much more injurious than leakage of water.
- (b) Services are not being allowed indiscriminately on the parapet/any part of the bridges, Safety of the bridges has to be kept in view while permitting various services along bridge.

Sl. No.	Item	Information/ Status	Remarks
1	General information		
1.1	Name and Address of the Applicant / Agency	M/s Megha Engineering & Infrastructures Ltd, 86/2D2, Choparametla Village, Agiripalli Mandal, Krishna District, Andhra Pradesh - 521211	
1.2	National Highway Number	NH - 216	
1.3	State	Andhra Pradesh	
1.4	Location	Machilipatnam	NH 216
1.5	(Chainage in km)	Km76.160 to	NH-216



		Km82.400	
1.6	Length in Metres	6240m	
1.7	Width of available ROW		
	(a) Left side from center line towards increasing Chainage / km direction.	ROW - 14 MTS 3.44 KM	
	(b) Right side from center line towards increasing Chainage / km direction.	ROW -15.5 MTS 2.8 KM	
1.8	Proposal to lay underground GAS P/L		
	(a) Left side from center line towards increasing Chainage / km direction.	4m from the edge of carriageway (strip chart enclosed)	
	(b) Right side from center line towards increasing Chainage / km direction.	3.5m from the edge of carriageway (strip chart enclosed)	
1.9	Proposal to acquire land		
	(a) Left side from center line	NIL	
	(b) Right side from center line	NIL	
1.10	Whether proposal is in the same side where land is not to be acquired	YES	
	If not then where to lay the cable	NA	
1.11	Details of already laid services, if any, along the proposed route	NA	
1.12	Number of existing lanes (2/4/6/8 lanes).	1 and 2 lane	
1.13	Proposed Number of lanes (2 lane with paved shoulders/4/6/8 lanes)	2 Lane with paved shoulder	
1.14	Service road existing or not		
	If yes then which side		
	(a) Left side from center line	NIL	
	(b) Right side from center line	NIL	
1.15	Proposed Service road		
	(a) Left side from center line		
	(b) Right side from center line		
1.16	Whether proposal to lay Gas Pipe line is after the service road or between the service road and main carriageway.	after the service road	
1.17	Whether carrying of sewage / gas pipeline has been proposed on highway Bridges. If Yes, then mention the methodology proposed for the same.	NO	
1.18	Whether carrying of sewage / gas pipeline has been proposed on the parapet/any part of the bridges. If Yes, then mention the methodology proposed for the same.	NO	
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 expanses of the agency owning the line	NO (The pipe is crossing the Project Highway near ROB location)	
	(a) Whether existing drainage structures are allowed to carry sewage / gas pipeline	NA	



	(b) Is it on a line normal to NH	NA	
	(c) What is the distance of crossing the sewage / gas pipelines from the existing structures. Crossings shall not be too near the existing structures on the National Highway, the minimum distance being 15 meter.	NA	
	(d) The casing pipe (or conduit pipe in the case of electric cable) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe / cable. Mention type of casing.	NA	
	(e) Ends of the casing / conduit pipe shall be sealed from the outside, so that it does not act as a drainage path.	NA	
	(f) The casing/conduit pipe should, as minimum extend from drain to drain in cuts and toe of slope in the fills.	NA	
	(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. Mention the proposed details.	NA	
	(h) Mention the methodology proposed for crossing of road for the proposed Sewage/gas pipe line. Crossing shall be by boring method (HDD) [Trenchless Technology], specially, where the existing road pavement is of cement concrete or dense bituminous concrete type.	Enclosed	
	(i) The casing / conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of a waterway along it.	NA	
2	Document / Drawings to be enclosed with the proposal		
2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep x 0.3m wide) (i) Should not be greater than 60 Cm wider than the outer diameter of the pipe. (ii) Located as close to the extreme edge of the right of way as possible but not less than 15 meter from the centre-lines of the nearest carriage way. (iii) Shall not be permitted to run along the National Highways when	Enclosed	



	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.		
2.2	Cross section showing the size of pit and location of cable for HDD method	Enclosed	
2.3	Strip plan / Route Plan showing Gas pipe line, Chainage, width of ROW, distance of proposed Gas pipe line from the edged of ROW, important mile stone, intersections, cross drainage works etc.	Enclosed	
2.4	Methodology for laying of Gas 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, what is the Methodology of refilling of trench	NO	
	(a)The trench width should be at least 30 cm, but not more than 60 cm wider than the outer diameter of the pipe.	Enclosed	
	(b) For filling of the trench, (Bedding shall be to a depth of not less than 30 cm. It shall consist of granular material, free of lumps, clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	YES	
	(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.	YES	
	(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.	YES	
	(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.	YES	
	(f) The excavation shall be protected by flagman, signs and barricades and red lights during night hours.	YES	



	(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	Enclosed	
2.4.3	Methodology for laying of Gas pipe Line through CD works and method of laying. In cases where the carrying of gas pipe line on the bridge becomes inescapable.	NA	
3	Draft License Agreement signed by two witnesses	ENCLOSED	
4	Performance Bank Guarantee in favour of The Regional Officer, Ministry of Road Transport & Highways 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 good the excavated trench for laying the Gas pipe line/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. Performance BG as per above is to be obtained.	SHALL BE OBTAINED SOON AFTER APPROVAL BY AUTHORITY	
4.1	Confirmation of BG has been obtained for knot as per MoRTH guidelines.		TO BE OBTAINED
5	Affidavit / Undertaking from the Applicant for the following is to be furnished		TO BE GIVEN
5.1	Not to Damage to other utility, if damaged then to pay the losses either to MoRTH or to the concerned agency.	ENCLOSED	
5.2	For Renewal of Bank Guarantee.	ENCLOSED	
5.3	For Confirming all standard condition of Ministry Circulars and NHAI's guideline.	ENCLOSED	
5.4	For Shifting of Gas pipe line as and when required by MoRTH/NHAI at their own cost.	ENCLOSED	
5.5	For shifting of Gas pipe line due to 6 lanning / widening of NH	ENCLOSED	



5.6	For Indemnity against all damages and claims	ENCLOSED	
5.7	For Traffic movement during laying of Gas pipe line to be managed by the applicant.	ENCLOSED	
5.8	If any claim is raised by the Concessionaire then the same has to be paid by the applicant.	ENCLOSED	
5.9	Prior approval of the MoRTH/NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the Gas pipe line/any other utility located in the National highway right-of-ways.	ENCLOSED	
5.10	Expenditure, if any, incurred by MoRTH/NHAI for repairing any damage caused to the National Highway by the laying, maintenance of shifting of the Gas pipe line will be borne by the applicant agency owing the line.	ENCLOSED	
5.11	If the MoRTH/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 MoRTH/NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	ENCLOSED	
5.12	<p>Certificate from the applicant in the following format</p> <p>(i)Laying of Gas pipe line will not have any deleterious effects on any of the bridge components and roadway safety for traffic.</p> <p>(ii)"We do undertake that I/we will relocate service road/approach road/utilities at my/our own cost notwithstanding the permission granted within such time as will be stipulated by MoRTH/NHAI" for future six-lanning or any other development".</p>		
6	Who will sign the agreement on behalf of Gas pipe line agency.	G.RAJA KUMAR Authorized Signatory, M/s.MEIL	
	Power of Attorney to sign the agreement is available or not.	YES	
7	The Project Director, will submit the following Certificates		
7.1	Certificate for proposal for confirming of all standard condition issued vide Ministry of Road Transport and Highways Circular No. NH-III/P/66/76 dated 18/19.11.1976, RW/NH-III/P/66/76 dated		

Signature

CGD
KRISHNA

Signature

ENGINEER

	11.05.1982, RW/NH-11037/1/86-DOI (ii) dated 28.07.1993, RW/NH-11037/1/86/DOI dated 19.01.1995, RW/NH-34066/2/95/ S & R dated 25.10.1999 and Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003		
7.2	<p>Certificate from PD in the following format</p> <p>(i) "It is certified that any other location of the Gas Pipe line would be extremely difficult and unreasonable costly and the installation of Gas pipe line within ROW will not adversely affect the design, stability and traffic safety of the highway nor the likely future improvement such as widening of the carriageway, easing of curve etc".</p> <p>(ii) for 6-lanning</p> <p>(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".</p> <p>(b) in case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed six-laning".</p>		
8	<p>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 Gas Pipeline/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."</p>		
	Who will supervise the work of laying of Gas pipe line		
	(a) On behalf of the Applicant	Manager, M/s MEIL	
	(b) On behalf of NHAI/MoRTH	Regional Officer	
10	Who will ensure that the defects in road portion after laying of Gas pipe line are corrected and if not corrected then what action will be taken.		
	(a) On behalf of the Applicant	Manager, M/s MEIL	

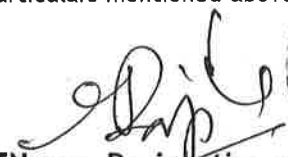



	(b) On behalf of NHAI/MoRTH	Regional Officer	
11	Who will pay the claims for damages done/disruption in working of Concessionaire if asked by the Concessionaire?		
	(a) On behalf of the Applicant	M/s Megha Engineering and Infrastructure Ltd.	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed)		
13	If any previous approval is accorded for laying of underground Gas Pipe line then Photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed.	NA	

It is certified that the construction of the public/industrial utility has not been commenced. Further, we bear full responsibility for genuineness of the site particulars mentioned above and for adherence to the stipulated norms.



P.V.B. Rao



[Name, Designation and Signature of the authorized signatory of the concerned applicant]

The above particulars along with the drawings and documents have been verified and certified as correct as per the prevailing site conditions.



[Name, Designation and Signature of the concerned field authority of MoRTH/NHA/PWD]

Megha Engineering & Infrastructures Ltd.

An ISO 9001-2008 Company

RS 86/2D2, Nuzvid Road, Chopparametta Village, Agiripalli Mandal, Krishna District, A.P - 521211.

Tel: +91-0866-297004 | Email: info@meghagas.com | Web : www.meghagas.com

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meil



Date: 09-01-2020

To,
The Regional Officer,
Ministry of Road Transport & Highways,
Punnammithota,
Vijayawada, 520010, A.P.

Handwritten signature and initials:
10/1
12
pl Ann P
AOZ

Dear sir,

**Sub: Rehabilitation and Up gradation of NH-214A (New NH-216)
From KM.34/2302 KM.84.550 (Losari to Machavaram Section)
-Proposal for Laying 4" NG Pipe line From KM.76.160 TO
82.400**

Reg Vijayawada-Covering letter for pipeline work against

With Good Discussion with Your Authority Engineer-Team Leader P.V.Basaveswara Rao (for Wadia Techno – Engineering services Ltd) We Submitting the Cross section of the Pipe line As per the Site Chainages.

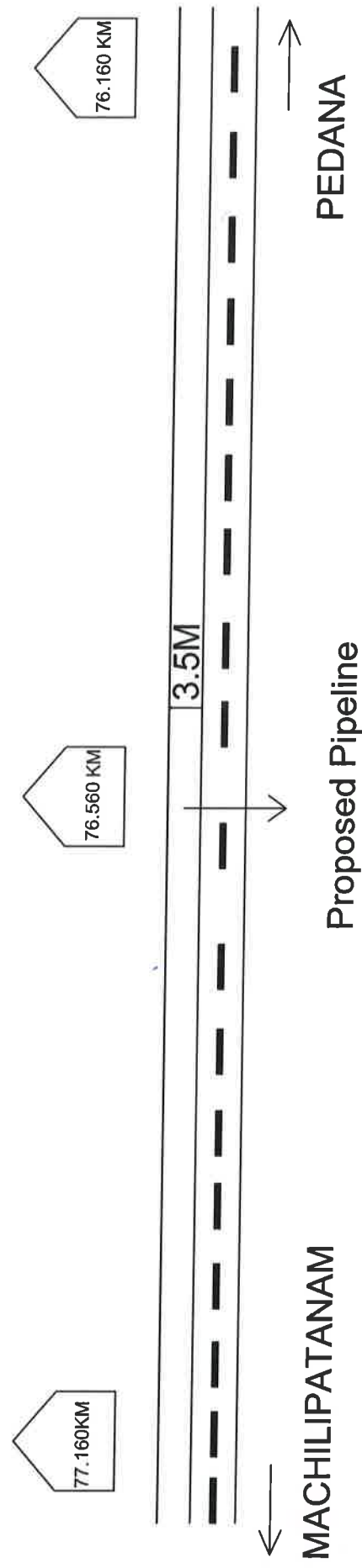
We have attached all the significant documents related to the Cross section of the Pipe line As per the Site Chainages, please do needful action in is regards to nod the execution of work within time limit.

Yours Faithfully,

Handwritten signature of G Raja Kumar

G Raja Kumar
Manager
Megha Engineering & Infrastructures Ltd.
KRISHNA - CGD.
Ph no: +91 - 9100057793

PROPOSED PIPELINE ROUTE IN NH-216 JURISDICTION



NOTE : Length of pipeline to be laid :1.0 KM (From 76.160 KM TO 77.160 KM)


P.V.B. Rao
WADIA TECHNO ENGINEERING SERVICES LTD.

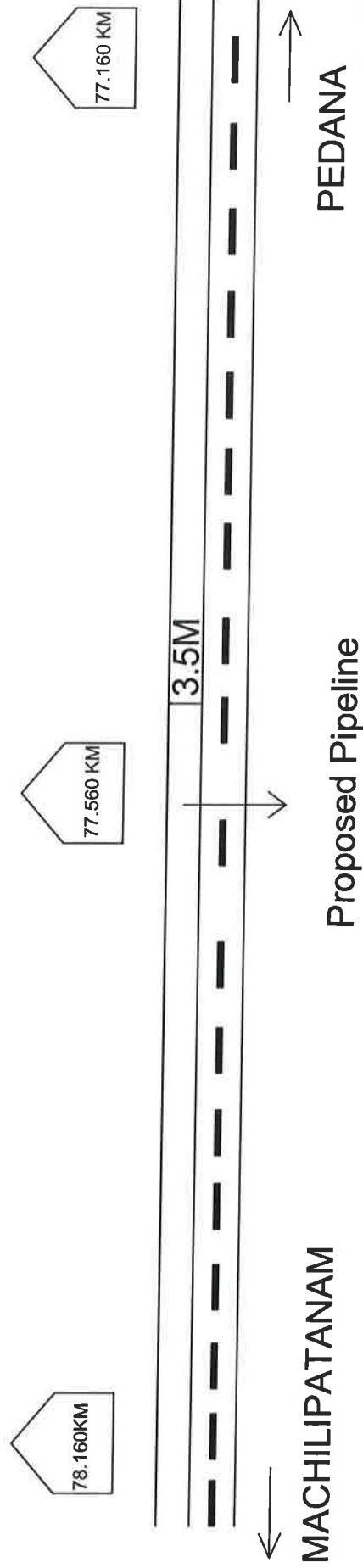

CGD Krishna
MEGHA ENGINEERING & INFRASTRUCTURES LTD.

M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOCRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037




Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada

PROPOSED PIPELINE ROUTE IN NH-216 JURISDICTION



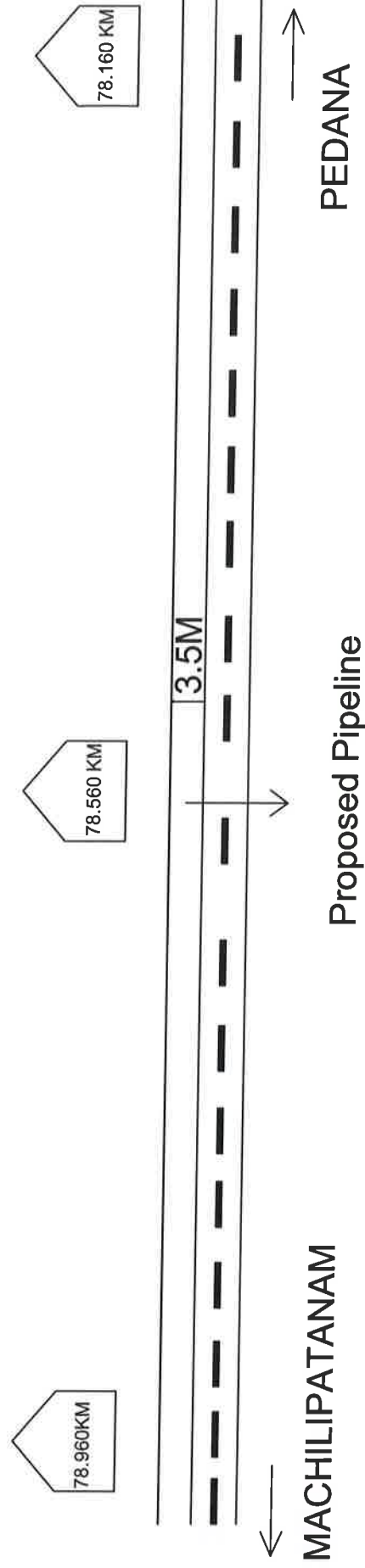
NOTE : Length of pipeline to be laid : 1.0 KM (From 77.160 KM TO 78.160 KM)



M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOGRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037

B. Sai Esh
Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada.

PROPOSED PIPELINE ROUTE IN NH-216 JURISDICTION



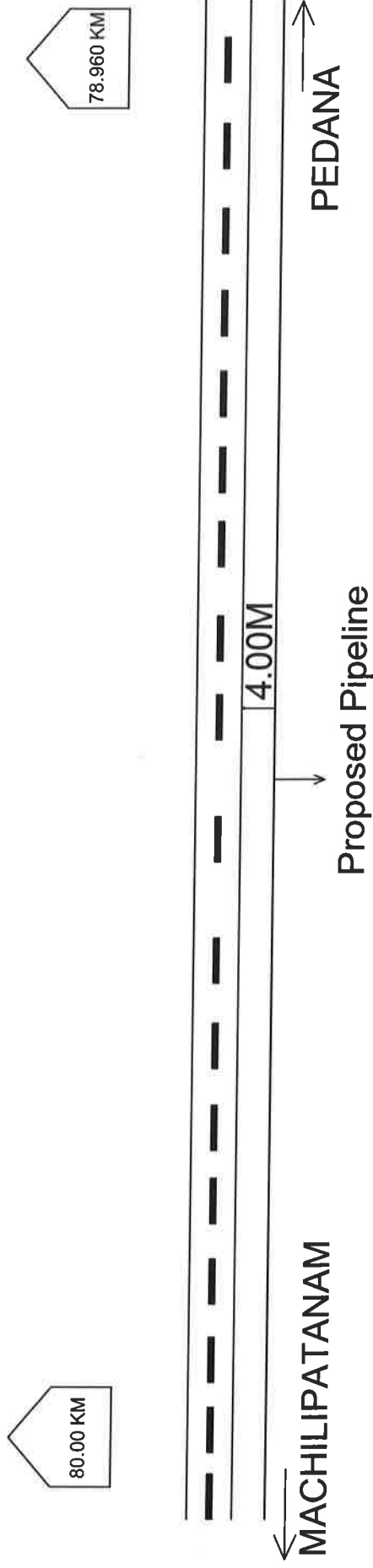
NOTE : Length of pipeline to be laid : 0.8 KM (From 78.160 KM TO 78.960 KM)



M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOCRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037

B. Jay Rao
Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada

PROPOSED PIPELINE ROUTE IN NH-216 JURISDICTION



NOTE : Length of pipeline to be laid : 1.040 KM (From 78.960 KM TO 80.00 KM)

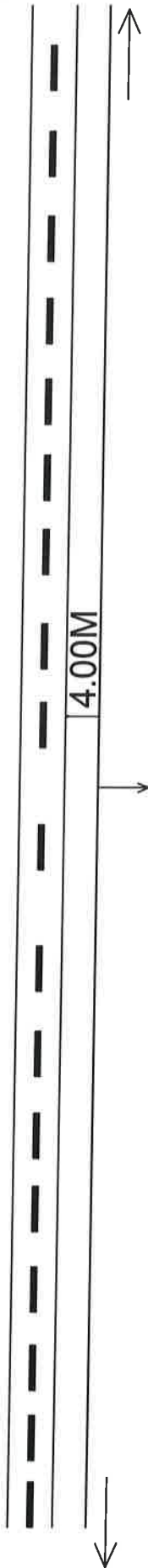
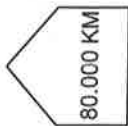


M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOCRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037

B. Sai Kiran

Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada

PROPOSED PIPELINE ROUTE IN NH-216 JURISDICTION



MACHILIPATANAM

Proposed Pipeline

PEDANA

NOTE : Length of pipeline to be laid : 0.3 KM (From 80.000 KM TO 80.300 KM)

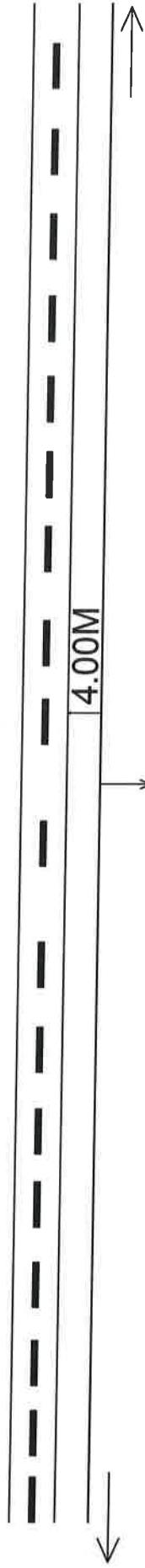


M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOCRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037

B. Sri Rama

Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada

PROPOSED PIPELINE ROUTE IN NH-216 JURISDICTION



MACHILIPATANAM

Proposed Pipeline

PEDANA

NOTE : Length of pipeline to be laid : 1.0 KM (From 80.300 KM TO 81.300 KM)



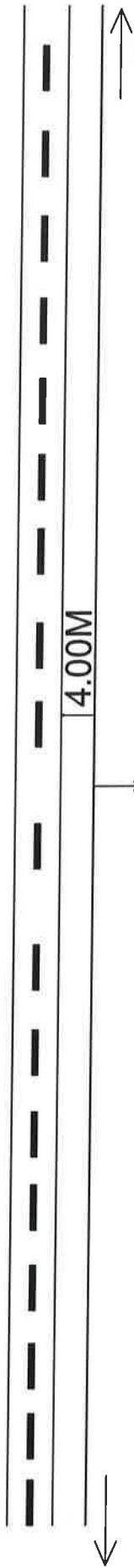
M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOCRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037

Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada

PROPOSED PIPELINE ROUTE IN NH-216 JURISDICTION

82.400 KM

81.300 KM



MACHILIPATANAM

Proposed Pipeline

PEDANA

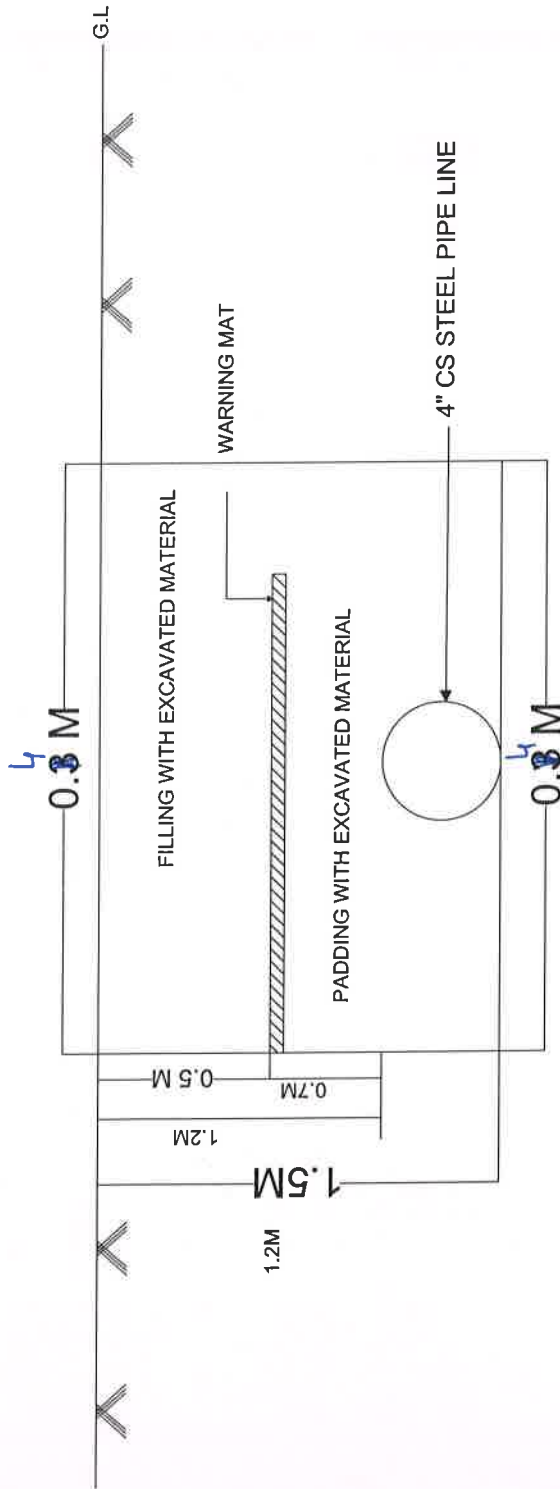
NOTE : Length of pipeline to be laid : 1.1 KM (From 81.300 KM TO 82.400 KM)



M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOCRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037

Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada

DETAILS OF TRENCH CROSS - SECTION FOR 4" CS STEEL PIPE LINE



M/S MEGHA ENGINEERING & INFRASTRUCTURES LIMITED
S-2 TECHNOGRAT INDUSTRIAL ESTATE,
BALANAGAR HYDERABAD-500 037

PLAN SHOWING THE PROPOSED DETAILS OF TRENCH CROSS - SECTION

SHEET NO : 1

DATE : 09/01/2020

AUTHORISED SIGNATORY



B. Sri Rao
Assistant Executive Engineer
Regional Office Ministry of
Road Transport & Highways, Vijayawada