



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)
NATIONAL HIGHWAYS AUTHORITY OF INDIA
(Ministry of Road Transport and Highways, Govt. of India)



क्षेत्रीय कार्यालय \ REGIONAL OFFICE

ई-2/167, अरेरा कॉलोनी, हबीबगंज रेल्वे स्टेशन के पास, भोपाल (म.प्र.) 462 016

E-2/167, Arera Colony, Near Habibganj Railway Station, Bhopal (M.P.)-462 016

दूरभाष/Phone : 0755-2426638, फैक्स/Fax : 0755-2426698, ई-मेल/E-mail : robhopal@nhai.org

NHA/RO-MP/KNW/Pipeline/MLIS/Daudwa/2022/45836

Date: 16.02.2022

REVISED

Invitation of Public Comments

Sub: 4-laning of Dhangaon-Boregaon section of NH-347BG & 753L (Indore to Boregaon - Pkg IV) Design Ch. 81.000 to 139.000 (Length 58.000 Km) under Bharatmala Pariyojna Phase-I in the State of Madhya Pradesh on Hybrid Annuity Mode - Micro Lift Irrigation Scheme crossing of Water Pipe Line at Ch. 84+180 at Daudwa Village – Reg.

Ref: PD, PIU-Khandwa letter no. NHA/PIU-KNW/Pkg-4/ND/2021-22/517 dated 07.02.2022.


Vide above reference proposal for Micro Lift Irrigation Scheme crossing of Water Pipe Line at Ch. 84+180 at Daudwa Village.

2. As per Ministry vide OM No. RW/NH-33044/29/2015/S&R (R) dated 22.11.2016, the Highways Administrator will make available the proposal seeking permission for utility laying for public comments for 30 days on ground of public interest.

3. In view of the above the comments of public are invited on captioned proposal and the same should reach to below mentioned address till 17.03.2022 beyond which no comments will be considered.

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-2/167, Arera Colony,
Near Habibganj Railway Station,
Bhopal (MP)-462016
E-mail ID:robhopal@nhai.org

This issues with the approval of Regional Officer cum Highway Administration.



(Anil Kumar Jain)
DGM (Tech.)

Copy to:

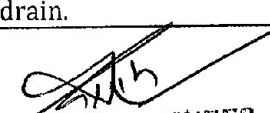
- Web Admin, NHA-HQ-with request for uploading on the NHA website.
- The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- The Project Director, NHA, PIU-Khandwa (M.P.) for information.
- The Executive Engineer, Narmada Development Division No. 21, Sanawad (M.P.).

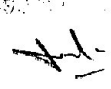
CHECK LIST			
S.NO	Item	Information/Status	Remarks
1	General Information	Permission of Crossing of Irrigation water pipeline at location at chainage- 84.180 Km on NH 347BG	
1.1	Name and Address of Applicant	Narmada Valley Development Authority, ND Division No. 21, Sanawad, Khargone, Madhya Pradesh	
1.2	National Highway Number	NH 347BG	
1.3	State	Madhya Pradesh	
1.4	Location	Daudwa	
1.5	(Chainage in KM)	84.180 Km	
1.6	Length in Meter		
1.7	Width of available ROW	Existing ROW	
	(a) Left side from center line toward increasing chainage /km direction	30.0 Mtr	
	(b) Right side from center line toward increasing chainage/KM Direction	30.0 Mtr	
1.8	Proposal to lay underground Water pipeline		
	(a) Left side from center line toward increasing chainage /km direction	Not Applicable	
	(b) Right side from the center line increasing chainage/km direction	Not Applicable	
1.9	Proposal to acquire land		
	(a) Left side form center line	Not Applicable	
	(b) Right side from center line	Not Applicable	
1.10	Whether proposal is in the same side where land is not to be acquired	Not Applicable	
	If not then where to lay the pipe	Across the road	
1.11	Details of already laid services, if any, along the proposal route	Not Applicable	
1.12	Number of lanes (2/4/6/8 lanes) existing	4 Lanes	
1.13	Proposed number of lanes (2 lane with paved shoulder 4/6/8 lanes)	-	
1.14	Services Road existing or not	Not Existing	
	If yes then which side		
	(a) Left side form center line		
	(b) Right side from center line		
1.15	Proposed Service Road	Not Applicable	
	(a) Left side form center line		
	(b) Right side from center line		
1.16	Whether proposal to lay cable is after the service road or between the service road and main carriage way	Not Applicable	
1.17	Whether carrying of water pipeline has been proposed on highway bridges. If yes then mention methodology proposed for the same.	NO	
1.18	Whether carrying of water pipeline has been proposed on parapet /any part bridges. If yes then mention methodology proposed for the same.	NO	


EXECUTIVE ENGINEER
 Narmada Development Dn. No. 21
 SANAWAD (M.P.)

For- LNMIPPL
 in Association with HEC

 (T. L.)

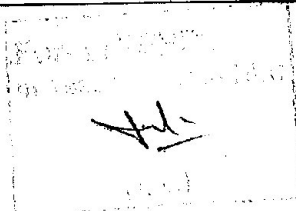
1.19	Is crossing of the road involved if yes, it shall be either encased in pipes or through structure of conduits specially built for that purpose at the expense of the agency owing the line.	Yes at One Location	
	a) Whether the existing drainage structures are allowed to carry utility pipeline	NO	
	b) Is it on a line normal to NH	Yes	
	c) What is the distance of crossing the utility pipelines from the existing structure. Crossing shall not be too near the existing structure on the NH. The minimum distance being 15 Meter	Not Applicable	
	d) The casing pipe carrying the Steel Casing Pipe as per IS utility line shall be of steel, cast iron or reinforced concrete and have adequate strength. Mention type of casting	Steel casing pipe as per IS 3589	
	e) End of the casing/conduit pipe Yes shall be sealed from outside, so that it does not act as a drainage path.	Yes	
	f) End of the casing/conduit pipe should, as minimum, extend from drain to drain in cuts & toe of slope in fills	Yes	
	g) The installation of casing pipe Minimum 1.2 mtr Below shall be as per attachment-1 as the existing road level and per ministry's guidelines dt. 22.11.2016	Minimum 1.2 Mtr Below the existing road level and shall be at minimum 0.3m below the drain inverts	
	h) Mention the methodology Trenchless technology proposed for road for the method proposed Water pipeline. Crossing shall be boring method (HDD) (Trenchless technology) specially where the existing road pavement is of cement concrete of dense bituminous concrete type	Trenchless technology Method	
1.20	Whether the proposal satisfies the following		
	a) Where the ROW is more than 45mtr then the duct cable shall be laid at the edge of right of way within the utility corridor of 2 Mtr width, duly keeping in view the future widening	Not Applicable	
	b) 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 Mtr width in that side of existing carriageway where extra land is not proposed to be acquired for 4-laning.	Not Applicable	
	c) Where the widening plan for 4 laning is not yet decided and available ROW is round 30 mtr or less, a judicious decision would need to be taken for permitting the laying of cable/duct. This could be within 1.5 mtr to 2 mtr of utility corridor at the edge of the existing ROW, duly keeping in view the possible widening plan.	Not Applicable	
	d) Where ROW is restricted and adequate only to accommodate the carriageway central verge, shoulder and drains (eg. Highway in cutting through hilly/rolling terrain), the cable shall be laid clear of the drain.	Not Applicable	


EXECUTIVE ENGINEER
 Narmada Development Co. No. 21
 SANAWAD (M.P.)

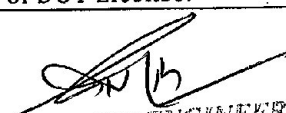
For: I. P. R. O. O. I.
 in Ass. of S. B. H. E. C.

 (I. L.)

	e) Where land strip of utility corridor can not be conveniently here marked (available ROW restricted to the Toe of the embankment) for laying of the cable/duct, the permission may be refused.	Not Applicable	
2	Documents / Drawing enclosed with the proposal	Yes, Enclosed	
2.1	Cross section showing the size of trench for open trenching method is it normal size 1.65m deep/0.05m wide) Should not be given then 1.2m in width in multiple ducts.	Not Applicable	
2.2	Cross section showing the size of pith and location of cable of thrust boring method/ pushing method.	Yes, Enclosed	
2.3	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 work etc.	Not Applicable	
2.4	Methodology for laying of Pipe	By trenchless Technology	
2.4.1	open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete no dense bituminous concrete type) if yes what is the methodology of refilling of trench	Not Applicable	
	a) The trench width should be at least 30 Cms but not more than 60cms wider than the outer diameter of the pipe	Not Applicable	
	b) For filling of the trench bedding shall be to a depth of not less than 30 cm It cell consists of granular material free of lumps, clods, cobbles and graded to yield firm surface without sudden change in bearing value, unsuitable soil and rock edges should be excavated and replaced by selected material.	Not Applicable	
	c) the backfill shall be completed in two stages i. side fill to the level of top of the pipe and 2. Overfill to the bottom of the road crust	Not Applicable	
	d) the side fill shall consists of granular material laid in 15 cms layer each consolidated by mechanical tempering 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 of ponding with not be permitted.	Not Applicable	
	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.	Not Applicable	
	f) The excavation shall be protected by flagman, signs, barricades and proper lights during night hours.	Not Applicable	
	g) If required, a diversion shall be constructed at the expense of agency owing the utility line.	Not Applicable	
2.4.2	Thrust boring method/ pushing method	Yes	
2.4.3	Laying pipe Through CD Works and Method of laying (Whether to be hung outside parapet)	Not Applicable	
3	Draft license Agreement signed by two witnesses	Yes, Enclosed	



EXECUTIVE ENGINEER
 Narmada Development Dn. No. 27
 SARAVADI (M.P.)

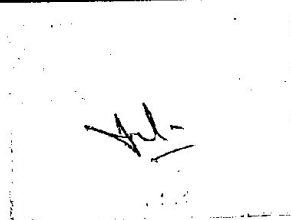



3.1	License fee estimate as per ministry's guidelines issued vide circular no. RW/NH/33044/29/2015/S&R dated 22.11.2016.	Yes, Enclosed	
4	Whether the undertaking for submission of Performance Security as per ministry's guidelines issued vide circular no. RW/NH/33044 /29 /2015 /S&R dated 22.11.2016 is provided	Not Applicable	
5	Affidavit / Undertaking form the applicant for following is to be furnished	Yes, Enclosed	
5.1	Undertaking Not to damage to other utility. If damage then to pay the losses either to NHAI or to the concern agency	Yes, Enclosed ✓	
5.2	Undertaking for renewal of Bank Guarantee as and when asked by MoRTH/NHAI	Yes, Enclosed	
5.3	Undertaking for Confirmation all standard condition Ministry's guidelines.	Yes, Enclosed	
5.4	Undertaking for indemnity against all damage and claims	Yes, Enclosed	
5.5	Undertaking for management if traffic movement during laying of utility line without hampering the traffic.	Yes, Enclosed	
5.6	Undertaking that if any claim is raised by the concessionaire/contractor then the same has to be paid by the applicant	Yes, Enclosed	
5.7	Undertaking that prior approval of the NHAT/MORTH shall be obtained before undertaking any work of installation, shifting of repairs, or alterations to the utility line will be borne by the applicant agency owing the line.	Yes, Enclosed	
5.8	Undertaking that expenditure if any incurred by NHAT/MORTH for repairing any damage caused to the NH by laying maintenance or shifting of the utility line will be borne by the applicant agency owing the line	Yes, Enclosed	
5.9	Undertaking that text of the licence is per verbatim of format issued by MORTH vide circular No. RW/NH/33044 /29 /2015 /S&R dated 22.11.2016	Yes, Enclosed	
5.11	Undertaking for shifting of utility as and when asked by MORTH/NHAI	Yes, Enclosed	
5.12	Certificate from the applicant in the following format.		
✓	We do undertake that I will relocate Yes, Enclosed service road/approach road/utility at my/our own cost notwithstanding the permission granted within such time as will be stipulated by NHAI/MORTH for future six Laning or/any Other development	Yes, Enclosed	
6	Who will sign the agreement on behalf Executive Engineer, N D of applicant agency? Power of attorney Division No.21, Sanawad to sign the agreement is available or not?	Executive Engineer, ND Division No.21, Sanawad	
7	Power of attorney in favour of authorized signatory.	-	
8	Copy of DOT License.	-	


EXECUTIVE ENGINEER
 Marmada Development (Dn. No. 21
 SANAWAD (M.P.)

9	Project Director shall submit the following certificate.		
9.1	Certificate that the proposal is confirming of all standard condition issued vide MORTH Circular No. RW/NH/33044 /29 /2015 /S&R dated 22.11.2016		
9.2	Certificate from the TL in the following format (i)"It is certified that any other location of the utility pipeline would be extremely difficult and unreasonably costly and the installation of utility pipeline within ROW will not adversely affect the design, stability and traffic safety of the Highways nor the likely future improvements such as widening of the carriage with easing of curve" (ii) For Six Laning	Enclosed	
	(a) where feasibility is available, I do certify that there will be no hindrance to propose six-Laning based on feasibility report considering proposed structures at the said location	NA	
	(b) in case feasibility report is not available "I do certify that sufficient ROW is available at site for accommodating proposed Six-Laning	NA	
10	If NH section proposed to be taken up by NHAI/PWD 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 cable/duct has also been granted is a right of way to the concessionaire under the concession agreement dated..... 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	NA	
11	Who will be supervise the work of laying of utility pipeline		
	a) On behalf of the applicant	Executive Engineer, ND Division No.21, Sanawad	
	b) On behalf of the NHAI	Independent Engineer	
12	Who will ensure that the defects in road portion after laying of OFC are corrected and if not corrected then what action will be taken.		
	a) On behalf of the applicant	Executive Engineer, ND Division No.21, Sanawad	
	b) On behalf of the NHAI	Independent Engineer	
13	Who will pay claims for damages done/disruption in working of concessionaire if asked by the concessionaire?	Applicant	
14	If any previous approval is accorded for laying of cable then Photocopy of register of records of permissions accorded to be enclosed.	Not Applicable	


EXECUTIVE ENGINEER
 Narmada Development Dn. No. 21
 SANAWAD (M.P.)

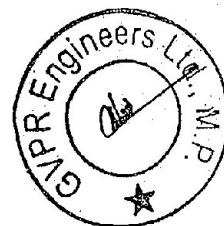
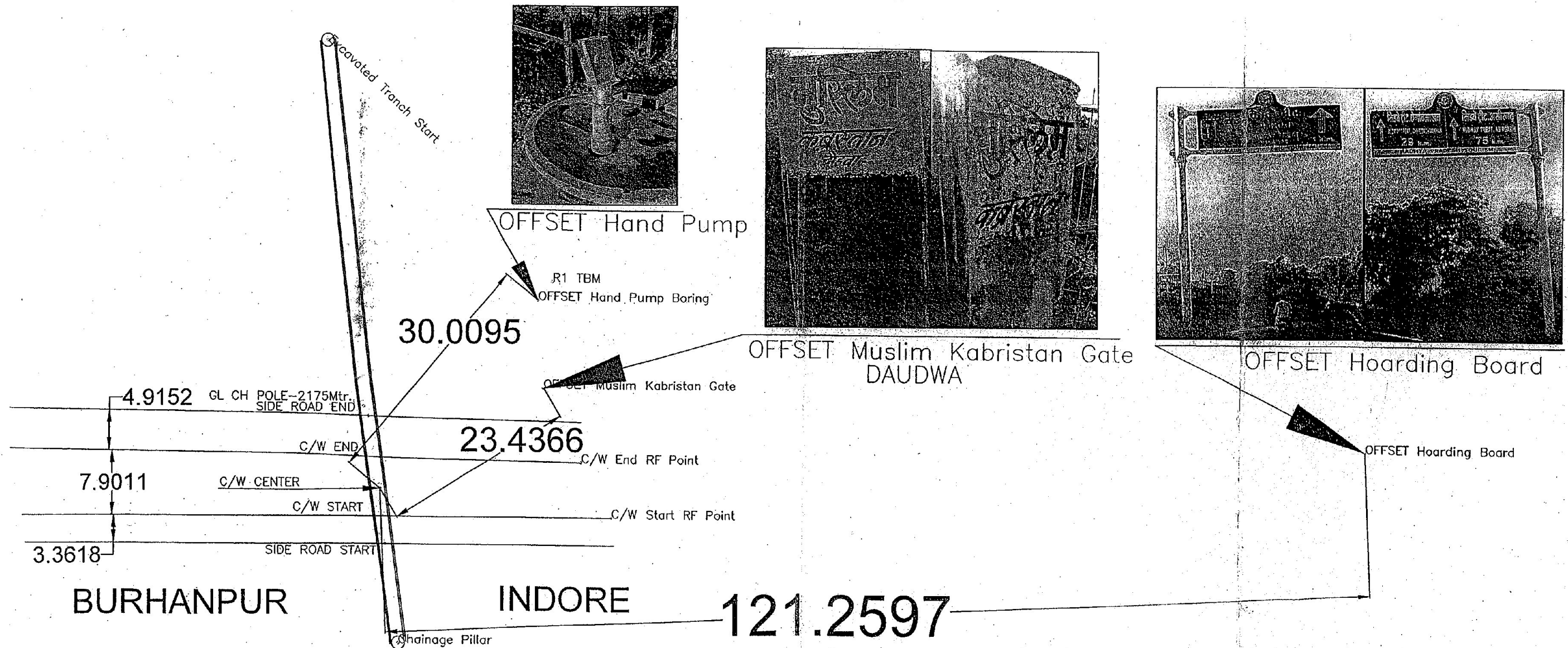



 C. Ambane

BHIKANGAON-BINJALWARA MICRO LIFT IRRIGATION SCHEME

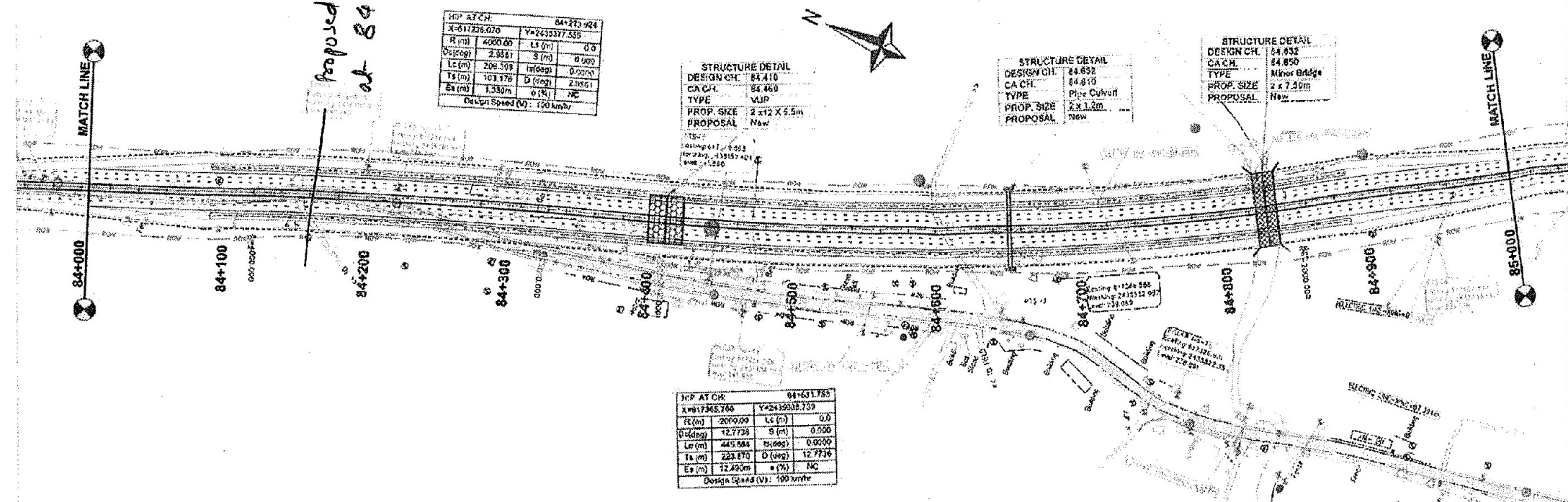
MS PIPE LINE ROAD CROSSING AT 89.30KM (Approx.) TOWARDS BURHANPUR (NH-347BG (OLD SH-27))

PLAN OF THE OFFSET DISTANCE OF NEARBY STRUCTURE



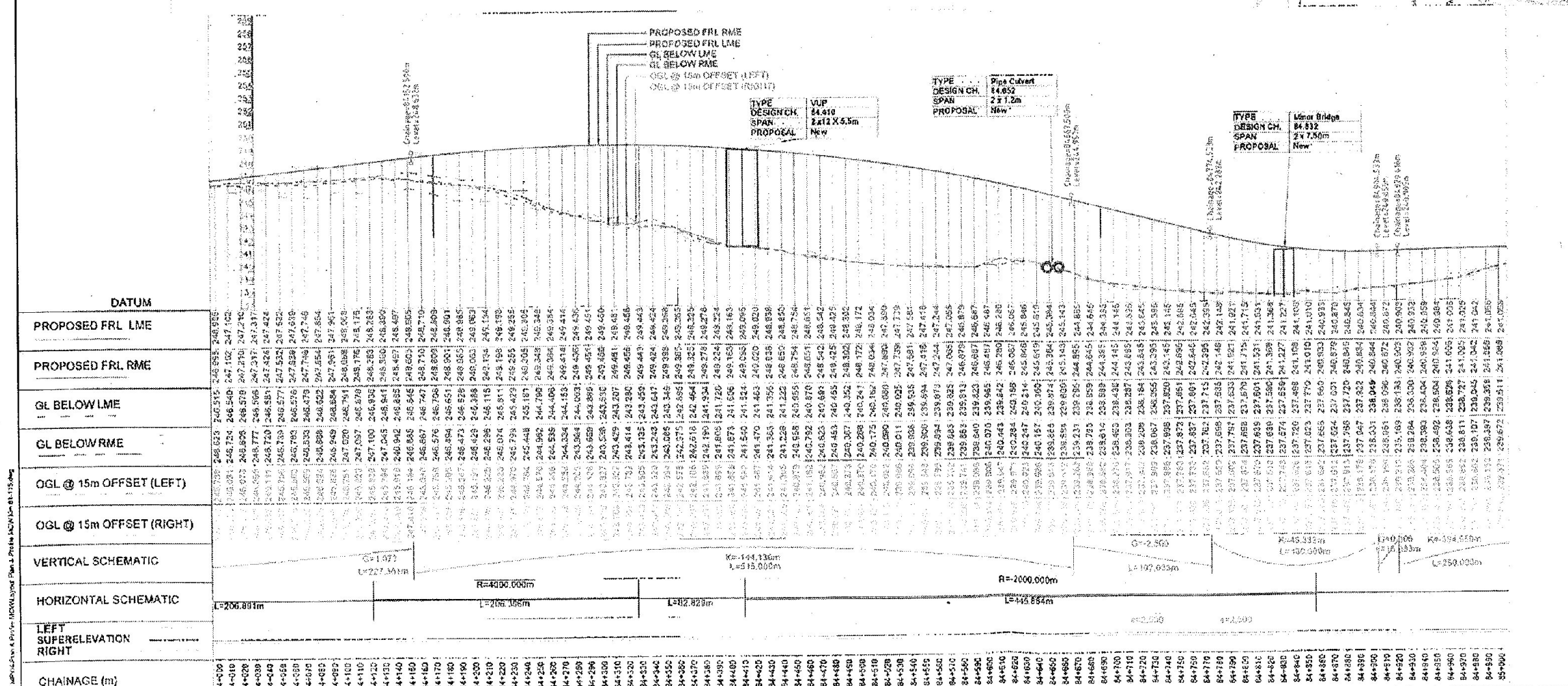
EXECUTIVE ENGINEER
Narmada Development Dn. No. 21
SABHANAR

CLIENT		NARMADA VALLEY DEVELOPMENT AUTHORITY (NVDA) GOVERNMENT OF MADHYA PRADESH
CONTRACTOR		GVR ENGINEERS LIMITED Plot No. 739-A, Road No. 37, Jubilee Hills, Hyderabad - 33.
PROJECT	BHIKANGAON-BINJALWARA MICRO LIFT IRRIGATION SCHEME	



- TOE LINE
- EARTHEN EDGE
- PAVED EDGE
- C/W EDGE
- LANE MARKING
- MEDIAN
- LANE MARKING
- C/W EDGE
- PAVED EDGE
- EARTHEN EDGE
- TOE LINE
- ROW
- DRAIN
- BOX CULVERT
- PIPE CULVERT
- MINOR BRIDGE
- MAJOR BRIDGE
- VUP

- PROPOSED PROFILE :**
- PROPOSED FRL LME
 - PROPOSED FRL RME
 - GL BELOW LME
 - GL BELOW RME
 - OGL @ 15m OFFSET (LEFT)
 - OGL @ 15m OFFSET (RIGHT)
 - LEFT SUPERELEVATION
 - RIGHT



Highway Design Engineer
 L.N.Malviya Infra Projects Pvt. Ltd.
 Bhopal (M.P.)

<p>CLIENT: NATIONAL HIGHWAY AUTHORITY OF INDIA Ministry of Road Transport and Highways (Govt. of India) G-5 & 6, Sector 10, Connaught Place, New Delhi-110075</p> <p>INDEPENDENT ENGINEER: L.N.Malviya Infra Projects Pvt. Ltd. 110, 3RD Floor, Connaught Place, New Delhi-110075 Malviya Infra, 2nd-4th Floor, Malviya Infra, Bhopal (M.P.)</p>	<p>CONCESSIONAIRE: M/s. KCC Dhamraon Boregon Expressway Pvt. Ltd. B-5, SFS Rlys, Pitampura, West Delhi, Delhi, India, 110031.</p>	<p>DESIGN CONSULTANT: KCC BUILDCON PVT LTD. 5th Floor, JMD Empire, Golf Course Extension Road, Sector-52, Gurgaon - 122102</p>	<p>APPROVED: R. S. Raji CHECKED: V. T. DESIGNED: D. S. DRAWN: K. K.</p>	<p>PROJECT: Construction of Four Laning of Dhangraon to Boregon From (Design Ch.81.000/Existing Ch.85.000) to (Design Ch.139.000/Existing Ch.143.000) Section of NH-347BG & 783L (Design Length - 58.000 Km) Under Bharatmala Paryojana Phase-I (Inter Corridor) in The State of Madhya Pradesh on Hybrid Annuity Mode - Package-IV</p> <p>TITLE: PLAN & PROFILE FROM KM 84+000 TO KM 85+000</p> <p>DRAWING NO.: KCCB/D-B/PKG-IV/HWP&P/MCW/004</p> <p>DATE: Aug, 2021 SCALE: HOR: 1:200 VER: 1:200 SHEET: 04 OF 04 FORMAT: A2</p>
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