



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन एवं राजमार्ग मंत्रालय, भारत सरकार)

NATIONAL HIGHWAYS AUTHORITY OF INDIA

(Ministry of Road Transport and Highways, Govt. of India)

क्षेत्रीय कार्यालय / REGIONAL OFFICE

ई-6/47, स्मृति परिसर, साईबोर्ड के पास, अरेरा कॉलोनी, भोपाल (म.प्र.)-462016

E-6/47, Smriti Parisar, Near Sai Board, Arera Colony, Bhopal (M.P.)-462016

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



NHAI/RO-MP/PIU-BPL/Geology & Mining/2024/52558

Date - 19.12.2024

Invitation of Public Comments

Sub: Balance work of 4-lane of Obedullaganj - Itarsi section of NH-69 from Km. 2.800 to Km. 8.300 and from Km. 20.700 to Km. 63.000 design length 46.3 km., excluding from Km. 8.300 to Km. 20.700 Wild Life Area in the state of MP (Package-I/NH-69) on EPC mode - **Proposal for permission for installation of I-Check Gate at Gadariya Nala Tehsil Budhni district Sehore MP - reg.**

Ref: PD, PIU Bhopal e-file no. 267138.

1. PD, PIU Bhopal, NHAI vide ~~email~~ dated ~~28.11.2024~~ has submitted the proposal for installation of Installation of I-checkgate at new Ch, ~~26.903~~ RHS of NH- 46 of ~~08D-Itarsi~~.
2. As per Ministry vide OM No. RW/NII-JJ044 S&R (R) dated 22.11.2016, the application shall be put out in public domain for 30 days for seeking claims and objections (on ground of public inconvenience, safety and general public interest).
3. Accordingly, the public comments are hereby invited on the above proposal (copy of application enclosed) for seeking claims and objections within 30 days (i.e. by ~~12.01.2025~~) on public portal {i.e. website of MoRTH (www.morth.nic.in)} beyond which no comments will be considered. The address of comments inviting authority is as under:

The Highway Administrator
O/o Regional Officer,
National Highways Authority of India
E-6/47, Smriti Parisar, Near Sai Board
Arera Colony, Bhopal (MP) - 462016
E-mail ID: robhopal@nhai.org

4. This is being issued with the approval of Regional Officer cum Highway Administration.

(Paras Bansal)
Manager (T)
RO - Bhopal

Copy to:

- (i) Web Admin, NHAI-HQ-with request for uploading on the NHAI website.
- (ii) The Senior Technical Director, NIC, Transport Bhawan, New Delhi-110001 for uploading on Ministry's Website.
- (iii) The Project Director, NHAI, PIU- Bhopal (M.P.) for information.
- (iv) Directorate of Geology & Mining, Bhopal (MP) (Email: dirgeomn@nic.in).

Check List - Sehore - GadariyaNala - Madhya Pradesh			
Project - AI Based system to curb illegal transportation of Minerals			
Sr No	Description	As per Site	Remarks
1	State Highway No	NH-46	
2	Crossing Name	Gadariyanala, Budhni, Sehore	
3	System of supply (i.e. Volatage) frquesncy, no of phases wheather	2 kilo watts	
4	Position of Tower	Latitude-22.8061847,Longitude-77.6968584	
5	Normal / Basic Span of gantry	17 Mtr	
6	Maximum Sag at Normal Span of gantry	22 Mtr	2.5 Mtr both side will be spared from the shoulder of the road. (As per MORTH Norms)
7	Crossing Span of gantry	Both Side of Road	
8	Preceding Span with LOC	Both Side of Road	
9	Successing Span With LOC	Both Side of Road	
10	Height of structure above ground and Below Ground Separately	Above=7mtr & Below=2.30 mtr	both sides of gantry structure
11	gantry height & weidth	height= 6.5 mtr & weidth=22 mtr	
12	Clearance Over Road	7.0 mtr	
13	Hegiht of lower base / founduatiion of gantry	2.65 mtr	
14	Height / Difference of Lower foundation from level of NH at LOC	2.65 mtr	
15	Angle of Road crossing	90 degree	with respect to ground
16	Distance from NH Boundry from center of tower/ gantry	500 mtr	Location comes under NHAI jurisdiction
17	Perndicular distance from center of Tower to Center of Road	6.5 mtr	
18	Protection of gantry	GI with 86 micron	
19	Foundation Type	square foundation with M-25 grade	
20	No of Stay required	NA	
21	Minimum factor of Safety	2	
22	Two legs of Toweer earthend	Yes as per specification	
23	Plain paper digram	profile enclosed	
24	Earthing	Pipe Type	
25	Praposal to lay underground electrical cable/OFC/Water-Pipeline	Yes as per specification	
25A	Left side from central line towards increasing chainage/km direction.	NA	
25B	Right side from centre line towards increasing chainage/km direction	NA	
26	Proposal to aquire Land		
26A	Left side from centre Line	8.5 Mtr	Includes 2.5 meters from shoulder of road as spare
26B	Right side from centre line	8.5 Mtr	Includes 2.5 meters from shoulder of road as spare
27	Whether proposal is in the same side where land is not to be acquired	Yes as per specification	
27A	if not then where to lay the cable	NA	
28	Details of already laid services, if any, along with the proposed route	NA	
29	Number of Existing Lanes (2/4/6/8 Lanes)	4 Lane	
30	Proposed number of Lanes (2 Lanes with paved shoulders/4/6/8 lanes)	NA	
31	Service road existing or not	NA	
	if yes then which side	NA	
31A	Left side from centre line	NA	
31B	Right side of centre line	NA	
32	Proposed service road	NA	
32A	Left side from centre line	NA	
32B	Right side of centre line	NA	
33	Whether proposal to lay water pipeline is after the service roador between the service road or main carriageway	NA	
34	Whether carrying of sewage / water pipeline has been proposed on highway bridges, if yes then mention the methodology proposed for same	NA	
35	Whether carrying of sewage / water pipeline has been proposed on the parapet/any part of the bridges, if yes then mention the methodology proposed for the same	NA	
36	if crossing of the road involved	Yes	
37	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 as per specification	
38	whether existings drainage structure are allowed to carry sewage / water pipeline	NA	
39	is it on a line Normal to NH	Yes	

40	What is the distance of crossing the sewage /water pipeline from the existing structures, shall not be too near the existing structure on the national highway, the minimum distance being 15 meters.	NA	
41	the casing pipe (or conduit pipe in the case of electric / OFC 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	Yes	
42	Ends of the casing conduit pipe shall be sealed from the outside so that it does not act as a drainage path	Yes	
43	the casing/conduit pipe should be at least 1.2 meter below the surface of the road subject to being atleast 0.3 meter below the drain inverts, Mention the proposed details	Yes as per specification	
44	Mention the methodology proposed for crossing of road for the proposed water pipeline crossing shall be by boring method (Trench-less technology) especially where the existing road Pavement is of cement concrete or dense bituminous concrete type	NA	
45	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	
46	Document / Drawing to be enclosed with the proposal	Yes , Enclosed	
47	gross section showing the size of trench for open trenching method (is it normal size of 1.2 m deep X 0.3m wide	Yes	
48	Should not be greater than 60cm wider than the outer diameter of the pipe	Yes as per specification	
49	Located as close to the extreme edge of the right of way as possible but not less than 10meters from the centrelines of the nearest carriageway	Yes as per specification	
50	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	NA	
51	These should be so laid that their top is atleast 0.6 meter below the ground level so as not to obstruct drainage of the road land	Yes as per specification	
52	Cross section showing the size of pit and location of cable for HDD method	Yes as per specification	
53	Strip plan / route plan showing water pipeline chainage width of ROW, distance of Proposed water pipeline with OFC from the edge of ROW important milestone intersection, cross drainage works etc	Yes as per enclosed Drawing	
54	Methodology for laying of water pipeline	NA	
55	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	NA	
56	The trench width should be at least 30cm but not more than 60cm wider than the outer diameter of the pipe	NA	
57	for filling of the trench, bedding shall be to a depth of 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 edged should be excavated and replaced by selected material	NA	
58	the backfill shall be completed in two stages 1) side fill to the level of the top to the pipe and 2) overfill to the bottom of the road crust	Yes as per enclosed Drawing	
59	the side fill shall consist of granular material laid in 15cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctors density, over fill shall be compacted to the same density as the material that had been removed, consolidation by saturation of pending will not be permitted	Yes as per enclosed Drawing	
60	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 dip at the trench	Yes	
61	The excavation shall be protected by flagman signs and barricades and red light during night hours	Yes as per specification	

Manager (Tech.)
NHAI, PIU-Bhopal

परियोजना निदेशक
Project Director
भा.स.रा.प. परियोजना इकाई भोपाल
NHAI PIU-Bhopal (M.P.)



कार्यालय प्रमुख
संचालनालय मौसिकी तथा खनिकर्म
मध्य प्रदेश, भोपाल




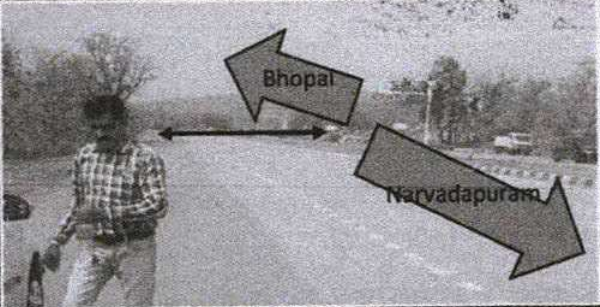
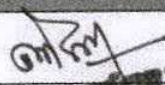
SURVEY REPORT

AI-Based Smart Enforcement System to Curb Illegal Transportation of Minerals

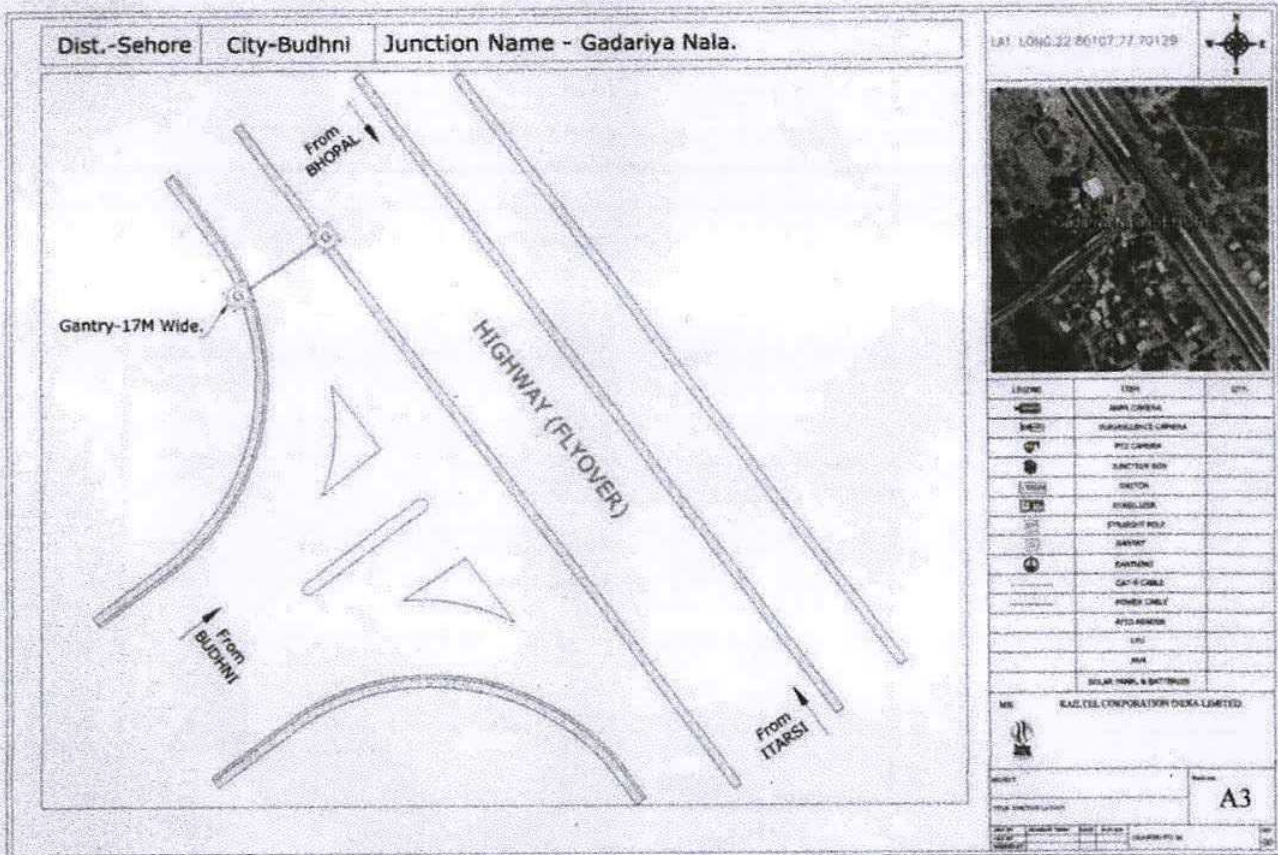
The survey covered various aspects, including structural integrity, equipment functionality, safety measures, and Soil bearing capacity. Through on-site inspections, interviews with relevant stakeholders, and the examination of technical specifications, the report provides a detailed overview of the surveyed areas.

Site Name	Gadariyanala		
Address/Location	Gadariyanala, Budhni, Sehore		
District	Sehore	Tehsil	Budhni
Site Visit Date	02-03-2024	Survey Number	
Latitude	22.8061847	Longitude	77.6968584
Lane Type	4 Lane	Nearby Outpost/Toll Plaza	Rajput Dhawa
Internet Connectivity	No	Electricity Connectivity	No.
Temperature Condition	30 Degree	Dust Condition	Normal
Wind Condition	13 KM/h	Rain Condition	NA
Survey Point			
Sr. No.	Particular		
#1	NH_46_4_Lane		
#2	Havey Vehicle (Normal Traffic)		
#3	Average Speed 80-90KM/H		
#4	22 Meter		
Attachment/Photo			
Photo 1		Photo 2	
			

*verified
see*

Photo 3		Photo 4	
			
Approval Authority			
Sr. No.	Prepared By/Department	Approved By/Reviewed By & Department	
#1		 राकेश प्रसूद संचालनालय भूमिकी तथा खनिकी मध्य प्रदेश भोपाल	
#2			
Surveyor			
Name		Team/Dept.	
Mr. Rakesh		Mining Officer	
Imran		Surveyor	
Remark			
Site Survey done on # Distance Measured by Rodo Meter and Laser Distance Meter # Power Distance nearby road distance 600MTR. # Red & Black Soil. # Its National Highway and need permission from NH & Govt. Officials. # Electricity : 1 KM Away # Internet : 1.5 Km Away : Airtel & Jio # Stret Light : No # Security : 50 Mtr.			

Verified.
ee



(Signature)

कार्यालय प्रमुख
संचालनालय भौतिकी तथा खनिकर्म
राजप्रदेश, भोपाल



**National Accreditation Board for
Testing and Calibration Laboratories**
NABL

CERTIFICATE OF ACCREDITATION

BHOJ GEOTECH LABORATORY

has been assessed and accredited in accordance with the standard

ISO/IEC 17025:2017

**"General Requirements for the Competence of Testing &
Calibration Laboratories"**

for its facilities at

B-17, JAI BHAWANI, PHASE-II, BHOPAL, MADHYA PRADESH, INDIA

In the field of

TESTING

Certificate Number: TC-9646

Issue Date: 13/09/2023

Valid Until: 12/09/2025

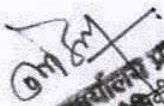
This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.
(To see the scope of accreditation of this laboratory, you may also visit NABL website www.nabl-india.org)

Name of Legal Entity: BHOJ GEOTECH LABORATORY

Signed for and on behalf of NABL



N. Venkateswaran
 Chief Executive Officer


कार्यालय मुख
संचालनालय भौतिकी तथा खनिकर्म
मध्यप्रदेश, भोपाल

