



भारतीय राष्ट्रीय राजमार्ग प्राधिकरण
National Highways Authority of India

(सड़क परिवहन और राजमार्ग मंत्रालय)
(Ministry of Road Transport and Highways)
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भाराराप्रा/पक्रिई/हरदा/रा.रा.-47/इ.ह.पै.-2/वन/देवास/2024/

दिनांक: 29.01.2024

प्रति,

वनमंडलाधिकारी,

देवास,

जिला- देवास (म.प्र.)

विषय : देवास जिले में राष्ट्रीय राजमार्ग क्रमांक 47 (पुराना NH-59A) इन्दौर-हरदा मार्ग को फोरलेन किए जाने हेतु 39.367 हे. (ऑनलाईन आवेदित 40.053 हे.) वनभूमि भारतीय राष्ट्रीय राजमार्ग प्राधिकरण, हरदा को उपयोग पर देने बाबत। (ऑनलाईन प्रकरण क्रमांक /FP/MP/Road/149883/2021)।

संदर्भ : प्रधान मुख्य वनसंरक्षक (भू-प्रबंध) वन भवन, म.प्र. भोपाल का पत्र क्रमांक 279 दिनांक 15.01.2024।

महोदय,

उपरोक्त संदर्भित पत्र क्रमांक का अवलोकन करने का कष्ट करे। जिसके माध्यम से कार्यालय प्रधान मुख्य वनसंरक्षक (भू-प्रबंध) वन भवन, म.प्र. भोपाल द्वारा लेख किया गया है कि, भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय, भोपाल ने विषयांकित प्रकरण की सैद्धांतिक स्वीकृति जारी करने के पूर्व 10 बिन्दुओं पर जानकारी वन मण्डलाधिकारी के माध्यम से चाही गई है, ताकि प्रकरण में सैद्धांतिक स्वीकृति प्राप्त करने की कार्यवाही की जा सके।

उपरोक्त के परिपालन में चाही गई जानकारी बिन्दुवार पालन प्रतिवेदन पत्र के साथ संलग्न कर आपकी ओर सादर प्रेषित हैं। अतः आपसे अनुरोध है कि उक्त पालन प्रतिवेदन आपके माध्यम से कार्यालय प्रधान मुख्य वनसंरक्षक (भू-प्रबंध) वन भवन, म.प्र. भोपाल को प्रेषित करने का कष्ट करे। जिससे सैद्धांतिक स्वीकृति प्राप्त हो सके एवं निर्माण कार्य प्रारंभ किया जा सके।

सधन्यवाद

संलग्न- उपरोक्तानुसार।

परियोजना निदेशक
भा.रा.रा.प्रा.,प.क्रि.ई.,हरदा

- प्रतिलिपि:- 1. अपर प्रधान मुख्य वनसंरक्षक (भू-प्रबंध), म.प्र. भोपाल की ओर सादर सूचनार्थ प्रेषित।
2. वन संरक्षण (क्षेत्रीय), उज्जैन वृत्त, उज्जैन मध्यप्रदेश की ओर सादर सूचनार्थ प्रेषित।

Point wise Compliance of Observation raised by of Regional Office MoEF&CCon dated 23.12.2023 in regarding Online Proposal No. FP/MP/ROAD/149883/2021

Ob.N.	Observation of Regional Office	Compliance				
1	The detailed land schedule shall be provided showing chainage wise length, width and area requirement in forest and non-forest land.	The forest area is 39.367 ha. And the non-forest area is 327.91 ha. Chainage wise length, width & area required in forest & non- forest land is attached as Annexure-1				
2	The area in online portal shall corrected as 39.367 ha in place of 40.053 ha. Further, the State Govt. shall revise the KML and geo-referenced map showing complete alignment proposed in forest as well as in non-forest area with different colour.	The area has been revised as 39.367 ha. instead of 40.053 ha. in part-II of online Parivesh Portal. KML has also been revised showing forest area as pink colour and non- forest area has no colour geo-referenced map also attached. Annexure-2, Annexure-2A & Annexure-2B.				
3	The DFO commented in his SIR that the suitable structure(underpasses/overpasses and water harvesting structures at suitable locations) should also be constructed to facilitate movement and provision of water for wild animals in the area. Therefore, undertaking shall be submitted by the PP mentioning that at the time of construction of the proposed road, appropriate structures as suggested by the "Wildlife Instituten of India" in its report issued in this regard will be included in the proposal to protect the wild animals near by and appropriate budget will also be provided for it.	Compliance is as under Annexure-3 & 3A attached.				
4	A detailed muck disposal plan countersigned by DFO shall be submitted.	<table><tr><td>Total muck generated due to cutting (in cum)</td><td>Total filling required for embankment in project road (in cum)</td></tr><tr><td>408136</td><td>491158</td></tr></table> Since, filling required in embankment of project road is much more than the muck generated in cutting, the generated muck can be utilised for required filling and there will be no need for muck dumping. Annexure-4	Total muck generated due to cutting (in cum)	Total filling required for embankment in project road (in cum)	408136	491158
Total muck generated due to cutting (in cum)	Total filling required for embankment in project road (in cum)					
408136	491158					
5	The Administrative Approval for the project shall be submitted.	The Administration Approval is attached as Annexure-5 . The details of Administrative Approval is shown on page no.15				
6	In view of the fact that proposal involves felling of 10422 trees 0.5% of project cost proportionate to the extent of forest land in volved, shall be paid by the user agency, and the same shall be deposited into the CAMP Account. The State Government shall ensure that details of the finalized SMC Plan and disposition of amount and payment of deficit amount, if, any, etc. shall be approved by the competent authority and concurred by the RO Bhopal with in aperiod of one year from the date of deposit of the said amount. The above detail shall be submitted.	Yes, NHAI will submit the requisite amount. Annexure-6				
7	Road side plantation scheme shall be submitted.	Compliance is as under Annexure-7 & 7A .				
8	As per SIR of DFO, status of displacement of persons/families shall be submitted	There is no any persons/Families are being displaced by proposed road alignment.				
9	No objection certificates of concerned departments (Railway, Pipeline, TL, etc) shall be submitted.	- The proposed alignment does not cross any rail line or pipelines. Therefore, there is no requirement for an objection certificate from the concerned department. However new Indore-Budari line is proposed after our proposal so they are taking NOC from NHAI Dept. - The LT line i.e. 11 KV & 33KV line is crossing the proposed alignment and MPPK/VCL has demanded by their letter number 2847 Dated 06.03.2019 (copy enclosed as Annexure-8). The NHAI will be sanctioned the estimates accordingly. no any HT line is crossing the alignment. The cost of shifting of LT line will be borne by the NHAI as per tender agreement and in supervision of owning agency.				
10.	The date of site inspection will be decided by the RO, Bhopal and accordingly arrangements will be carried out.	The site inspection has been carried out on dated 11.01.2024 by REC members with user agency NHAI PIU-Harda representative wherein REC members are agreed with the proposed alignment in forest area except from Chainage km 81.000 to km 81.800 and it was instructed to shift the alignment near existing road. Accordingly, the KML from Chainage km 81.000 to km 81.800 has been revised, which is also uploaded on parivesh portal.				



**Project Director
NHAI, PIU-Harda (M.P.)**

Annexure-1							
Forest Land Details							
Sr No	Range	Compartment No	Chainage	Km.	Width of road (ROW)	Required Forest Area (Ha.)	Type of Forest
1	2	3	4	5		6	7
1	Dewas	21	(Ch.30.200 to Ch. 30.730)	0.53	36.4	1.456	RF
2		20			22.4	0.672	
3		28			53	0.795	
4	Bagli	844		15	0.18		
5	Jinwanee	95	(Ch.55.620 to Ch. 57.000, Ch.57.650 to Ch.58.330 , Ch.59.200 to Ch.59.930 , Ch.60.200 to Ch.60.400,61.150 to 61.450)	5.198	45	5.535	
6		96			45	1.35	
7		97			45	2.25	
8		100			45	0.09	
9		784			45	1.35	
10	Panigaon	131	(Ch.61.450 to Ch.63.500 Ch.74.000 to Ch.74.200 Ch.78.380 t0 Ch.78.750 Ch.78.750 to Ch.80.520 Ch.81.000 to Ch.81.808)	3.29	45	12.24	
11		104			45	9	
12		105			45	1.575	
13		133			45	0.45	
14		149			30	2.424	
Total				9.018		39.367	
Note:-The non forest land is 54.652 Km, for which the proposed ROW is 60m also the total land required for construction of such stretch is 327.91 Hac.							



[Signature]
Project Director
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PART-II

(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal : MP-085/2022

1. Location of the project/Scheme : Madhya Pradesh

- (i) State / Union Territory : Madhya Pradesh
(ii) District : Dewas
(iii) Forest Division : Dewas(T)
(iv) Area of forest land proposed for diversion (in ha.) : 40.053
(v) Category of the Proposal: Road

2. Legal status of forest land proposed for diversion

S. No.	Division	Forest Land(ha.)	Legal Status
1	Dewas(T)	39.367	Reserved Forest
Total		39.367	

Division 1. : Dewas(T)

3. District wise area to be diverted in the division

S. No.	District	Area(ha.)
1	Dewas	39.367
Total		39.367

4. Details of Vegetation available in the forest land proposed for diversion**(i) Density of vegetation**

S. No.	Area(in ha.)	Density	Eco-Class
1	12.42	0.6	Eco 3
2	26.947	0.3	Eco 3
Total.	39.367		

(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Tectona Grandis	Tèak	1116	3098	1500	684	189	71
2	Misc. Species	Satkata	908	1684	693	344	112	23
Total			2024	4782	2193	1028	301	94
Sub Total (No of Trees.)			10422					

5. Working plan prescription for the forest land proposed for diversion :

The compartment are in following working circle Range Dewas : RF 21, (RDF) RF 20 (RDF), RF 28 (Plantation) RangePanigaon : - RF131(SCI), RF104(IWC), RF105(RDF), RF133(RDF), RF 149 (VVN)



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Range Bagali : RF844 (IWC) Range Jinwatee : RF 95(RDF), RF 96(RDF), RF 97(RDF), RF 100(RDF)
784 (IWC)

6. Brief note on vulnerability of the forest area to erosion : -

7.

Approximate distance of the proposed site for diversion from boundary of forest(in km.) :

0

8. Significance of the forest land proposed for diversion from wildlife point of view

- (i). Details of wildlife present in and around the forest land proposed for diversion : Leopard, Jackal, Hyena, Langor. Hare, Blue bull, Barking deer, Monkey etc.
- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No
- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ): No
- (iv). Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : No
- (v). Whether any rare/endangered/unique species of flora and fauna found in the area : No

9.

Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any

- (i). Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No

10.

Comment as to the reasonability of the extent of the forest land proposed for diversion

- (i). Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes

11. Details of violation(s), if any ,committed

- (i). Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No

12. Whether work in violation is still in progres(Yes/No) : NIL

13. Details of compensatory afforestation scheme

Patch wise details for Degraded Area (To be earmarked by DFO)



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(i). Total Financial Outlay for C.A(lacs): 41140000

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
1	1	40	PF	Dewas	46	 View file
2	2	45	PF	Dewas	46	 View file

(ii). Copy of CA scheme details: (iii). Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or Total Station: (iv). Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.: (V). Copy of NOC from Competent Authority : 

Additional information Details

S. No.	Documents	Remarks
1		Tree Goshwara
2		TS
3		Project Report
4		minimum forest

14. District Profile

S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	Dewas	702000	203096.42	6387.264	53	0	16/06/2023	18291.717	1620.407

15.

Site inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land

Division Name	Circle	Site inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
Dewas(T)	Ujjain(T)	DFO	Yes	One		14/06/2023

(Specific recommendation of the DFO/CCF/Nodal Officer with(Part II,III & Part IV)).

16.

Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed



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NHAI, PIU-Harda (M.P.)

Dewas(T)	Ujjain(T)	DFO	Recommended	In order to add in the efforts for the rapid economic growth of area in tune with the economic growth of the state and country, safe and efficient movement of people and goods is essential. Therefore, rehabilitation and upgrading project road to 4 lane divided carriage way configuration of Indore Harda Section of NH 59 A is needed with proper engineering improvements and enforcement of the rules and regulations of the road/Indian Road Congress IRC Guidelines, so that there should also be a marked reduction in road traffic accidents and smooth flow of traffic. Hence, 4 lane up gradation Indore - Harda Section of NH 47 Old NH 59A A will contribute in alleviation of the current poor conditions of		
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NHAI, PIU-Harda (M.P.)

				the project road connecting the villages and towns, with one another and to the National Highway network for the benefit of the road users at large		
	Ujjain(T)	CF	Recommended	Forest land required is bare minimum for the project. Hence the proposal recommended for acceptance.		Yes
		Nodal Officer	Recommended	Recommended		

Specific recommendation of the State Government(Part V)

17.

Specific recommendation of the State Government for acceptance or otherwise of the proposal with reason (Part V)

State	Recommendation By	Recommendation	Recommendation Date	Remarks	Signing Authority	Notification	Recommendation Letter
Madhya Pradesh	State Secretary	Recommended	14/11/2023	.	State Govt. Officer	No Data	

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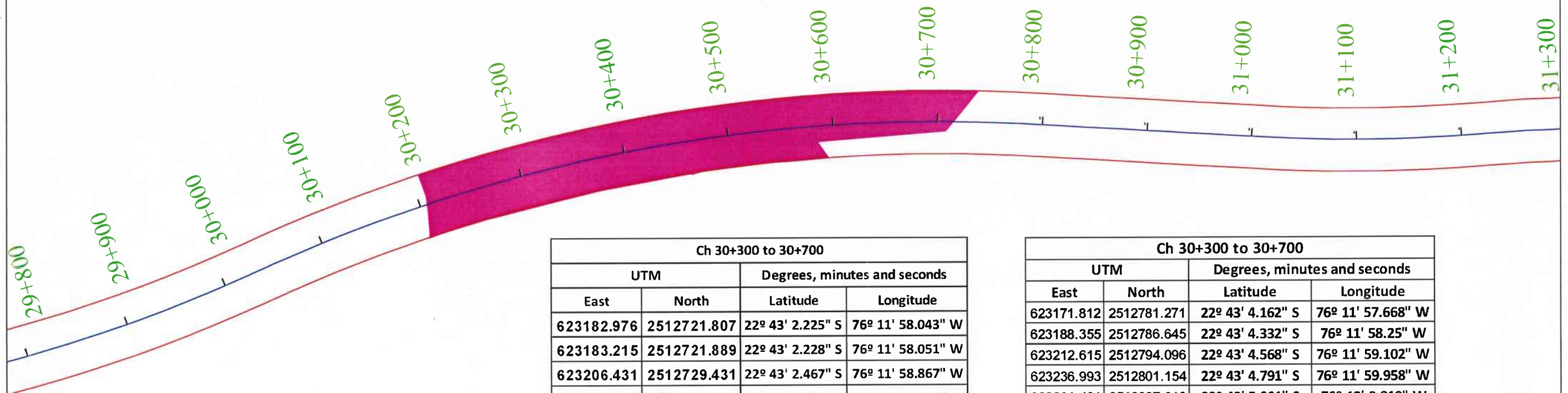
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Project Director
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<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

Annexure-2B



Ch 30+300 to 30+700			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
623182.976	2512721.807	22° 43' 2.225" S	76° 11' 58.043" W
623183.215	2512721.889	22° 43' 2.228" S	76° 11' 58.051" W
623206.431	2512729.431	22° 43' 2.467" S	76° 11' 58.867" W
623229.767	2512736.597	22° 43' 2.694" S	76° 11' 59.687" W
623253.215	2512743.386	22° 43' 2.908" S	76° 12' 0.511" W
623276.769	2512749.796	22° 43' 3.111" S	76° 12' 1.338" W
623300.424	2512755.825	22° 43' 3.3" S	76° 12' 2.169" W
623324.173	2512761.472	22° 43' 3.478" S	76° 12' 3.003" W
623348.010	2512766.735	22° 43' 3.643" S	76° 12' 3.84" W
623371.928	2512771.614	22° 43' 3.795" S	76° 12' 4.679" W
623395.923	2512776.105	22° 43' 3.935" S	76° 12' 5.521" W
623419.986	2512780.209	22° 43' 4.062" S	76° 12' 6.366" W
623444.113	2512783.925	22° 43' 4.176" S	76° 12' 7.213" W
623468.296	2512787.250	22° 43' 4.278" S	76° 12' 8.061" W
623492.530	2512790.186	22° 43' 4.367" S	76° 12' 8.911" W
623516.808	2512792.730	22° 43' 4.443" S	76° 12' 9.763" W
623541.124	2512794.882	22° 43' 4.507" S	76° 12' 10.616" W
623561.392	2512796.347	22° 43' 4.549" S	76° 12' 11.327" W

Ch 30+300 to 30+700			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
623171.812	2512781.271	22° 43' 4.162" S	76° 11' 57.668" W
623188.355	2512786.645	22° 43' 4.332" S	76° 11' 58.25" W
623212.615	2512794.096	22° 43' 4.568" S	76° 11' 59.102" W
623236.993	2512801.154	22° 43' 4.791" S	76° 11' 59.958" W
623261.481	2512807.818	22° 43' 5.001" S	76° 12' 0.819" W
623286.074	2512814.086	22° 43' 5.199" S	76° 12' 1.682" W
623310.764	2512819.957	22° 43' 5.383" S	76° 12' 2.549" W
623335.546	2512825.429	22° 43' 5.554" S	76° 12' 3.419" W
623360.413	2512830.500	22° 43' 5.713" S	76° 12' 4.292" W
623385.358	2512835.170	22° 43' 5.858" S	76° 12' 5.168" W
623410.376	2512839.437	22° 43' 5.99" S	76° 12' 6.046" W
623435.459	2512843.299	22° 43' 6.109" S	76° 12' 6.926" W
623460.601	2512846.757	22° 43' 6.215" S	76° 12' 7.808" W
623485.796	2512849.809	22° 43' 6.307" S	76° 12' 8.692" W
623511.036	2512852.454	22° 43' 6.387" S	76° 12' 9.578" W
623536.316	2512854.691	22° 43' 6.453" S	76° 12' 10.464" W
623561.629	2512856.521	22° 43' 6.506" S	76° 12' 11.352" W
623586.968	2512857.942	22° 43' 6.545" S	76° 12' 12.24" W
623612.326	2512858.954	22° 43' 6.571" S	76° 12' 13.13" W
623637.698	2512859.557	22° 43' 6.584" S	76° 12' 14.019" W
623663.076	2512859.751	22° 43' 6.584" S	76° 12' 14.908" W
623688.454	2512859.535	22° 43' 6.57" S	76° 12' 15.798" W
623704.266	2512859.146	22° 43' 6.553" S	76° 12' 16.352" W

Project Director
NHA, PIU-Harda (M.P.)



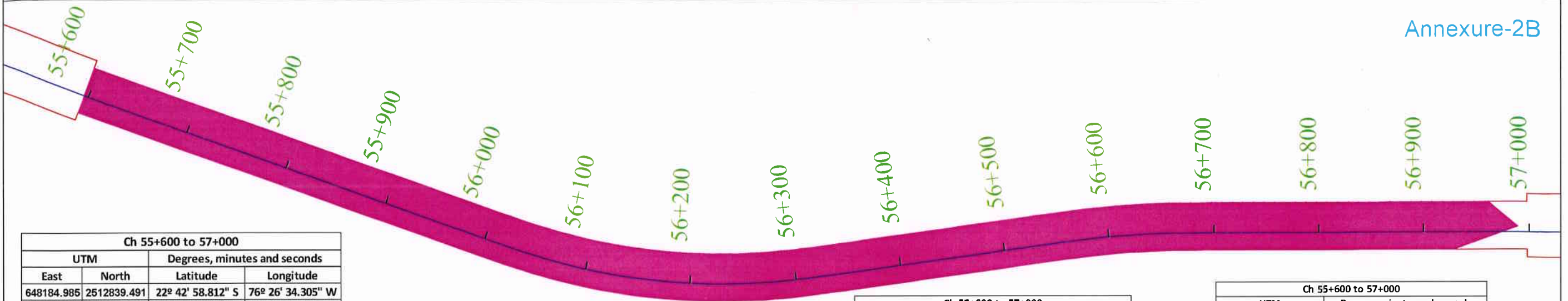
REV NO.	DATE	DESCRIPTION	CLIENT: NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Surface Transport) PIU-NATIONAL HIGHWAY AUTHORITY OF INDIA, H.NO. 54-55 Akash colony Near IBS College, HARDA - (MP)-481331.	DPR CONSULTANT: HOLTEC CONSULTING PRIVATE LIMITED HOLTEC CENTRE, A BLOCK, SUSHANT LOK, GURGAON, 122001 HARYANA, INDIA	PROJECT: Four laning of Indore to Harda section of NH-47 (Old NH-59A) under Bharatmala Pariyojna Phase I (Economic Corridor) in the State of Madhya Pradesh on HAM mode - Package II	TITLE: Forest Georeference Map of Pkg-II Indore - Harda NH - 47	DRG. NO. DRAWN M.P. CHECKED V.P. APPROVED R.S.	Scale: 1:4000 LEGEND:- Existing Center Line Proposed Center Line Existing Row. Proposed Row.
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<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

Annexure-2B



Ch 55+600 to 57+000				
UTM		Degrees, minutes and seconds		
East	North	Latitude	Longitude	
648184.985	2512839.491	22° 42' 58.812" S	76° 26' 34.305" W	
648194.254	2512836.047	22° 42' 58.697" S	76° 26' 34.628" W	
648203.539	2512832.650	22° 42' 58.583" S	76° 26' 34.953" W	
648222.258	2512825.935	22° 42' 58.359" S	76° 26' 35.606" W	
648231.675	2512822.570	22° 42' 58.247" S	76° 26' 35.935" W	
648241.092	2512819.205	22° 42' 58.134" S	76° 26' 36.264" W	
648250.508	2512815.840	22° 42' 58.022" S	76° 26' 36.593" W	
648259.925	2512812.475	22° 42' 57.91" S	76° 26' 36.922" W	
648269.342	2512809.110	22° 42' 57.797" S	76° 26' 37.251" W	
648278.759	2512805.745	22° 42' 57.685" S	76° 26' 37.579" W	
648288.176	2512802.380	22° 42' 57.573" S	76° 26' 37.908" W	
648297.593	2512799.016	22° 42' 57.46" S	76° 26' 38.237" W	
648316.426	2512792.286	22° 42' 57.235" S	76° 26' 38.895" W	
648325.843	2512788.921	22° 42' 57.123" S	76° 26' 39.224" W	
648335.260	2512785.556	22° 42' 57.011" S	76° 26' 39.553" W	
648363.511	2512775.461	22° 42' 56.674" S	76° 26' 40.539" W	
648372.928	2512772.096	22° 42' 56.561" S	76° 26' 40.868" W	
648382.345	2512768.731	22° 42' 56.449" S	76° 26' 41.197" W	
648410.595	2512758.637	22° 42' 56.112" S	76° 26' 42.183" W	
648420.012	2512755.272	22° 42' 55.999" S	76° 26' 42.512" W	
648429.429	2512751.907	22° 42' 55.887" S	76° 26' 42.841" W	
648467.096	2512738.447	22° 42' 55.437" S	76° 26' 44.157" W	
648476.513	2512735.083	22° 42' 55.325" S	76° 26' 44.485" W	
648485.930	2512731.718	22° 42' 55.213" S	76° 26' 44.814" W	
648504.764	2512724.988	22° 42' 54.988" S	76° 26' 45.472" W	
648514.181	2512721.623	22° 42' 54.875" S	76° 26' 45.801" W	
648542.431	2512711.528	22° 42' 54.538" S	76° 26' 46.787" W	
648551.848	2512708.163	22° 42' 54.426" S	76° 26' 47.116" W	
648558.347	2512705.841	22° 42' 54.348" S	76° 26' 47.343" W	
648579.951	2512698.182	22° 42' 54.093" S	76° 26' 48.098" W	
648589.239	2512694.978	22° 42' 53.985" S	76° 26' 48.422" W	
648598.496	2512691.881	22° 42' 53.882" S	76° 26' 48.745" W	
648616.898	2512686.114	22° 42' 53.688" S	76° 26' 49.388" W	
648626.211	2512683.439	22° 42' 53.599" S	76° 26' 49.714" W	
648654.211	2512676.398	22° 42' 53.361" S	76° 26' 50.693" W	
648663.618	2512674.364	22° 42' 53.292" S	76° 26' 51.022" W	
648692.025	2512669.204	22° 42' 53.115" S	76° 26' 52.015" W	
648701.547	2512667.800	22° 42' 53.066" S	76° 26' 52.349" W	
648730.235	2512664.544	22° 42' 52.951" S	76° 26' 53.353" W	
648739.830	2512663.778	22° 42' 52.923" S	76° 26' 53.689" W	

Ch 55+600 to 57+000				
UTM		Degrees, minutes and seconds		
East	North	Latitude	Longitude	
648768.670	2512662.440	22° 42' 52.871" S	76° 26' 54.699" W	
648778.295	2512662.314	22° 42' 52.863" S	76° 26' 55.036" W	
648787.919	2512662.349	22° 42' 52.862" S	76° 26' 55.373" W	
648816.772	2512663.417	22° 42' 52.887" S	76° 26' 56.385" W	
648826.405	2512664.095	22° 42' 52.906" S	76° 26' 56.723" W	
648845.602	2512665.921	22° 42' 52.959" S	76° 26' 57.396" W	
648855.278	2512667.043	22° 42' 52.993" S	76° 26' 57.736" W	
648865.004	2512668.271	22° 42' 53.03" S	76° 26' 58.077" W	
648874.782	2512669.579	22° 42' 53.069" S	76° 26' 58.42" W	
648884.617	2512670.940	22° 42' 53.11" S	76° 26' 58.765" W	
648891.057	2512671.843	22° 42' 53.137" S	76° 26' 58.991" W	
648914.301	2512675.108	22° 42' 53.236" S	76° 26' 59.807" W	
648924.204	2512676.498	22° 42' 53.278" S	76° 27' 0.154" W	
648953.913	2512680.670	22° 42' 53.404" S	76° 27' 1.197" W	
648963.816	2512682.061	22° 42' 53.447" S	76° 27' 1.544" W	
648993.524	2512686.233	22° 42' 53.573" S	76° 27' 2.587" W	
649003.427	2512687.624	22° 42' 53.615" S	76° 27' 2.934" W	
649033.135	2512691.795	22° 42' 53.741" S	76° 27' 3.977" W	
649043.038	2512693.186	22° 42' 53.783" S	76° 27' 4.324" W	
649072.747	2512697.358	22° 42' 53.909" S	76° 27' 5.367" W	
649075.759	2512697.781	22° 42' 53.922" S	76° 27' 5.673" W	
649102.641	2512701.487	22° 42' 54.034" S	76° 27' 6.416" W	
649112.707	2512702.790	22° 42' 54.073" S	76° 27' 6.769" W	
649136.137	2512705.486	22° 42' 54.153" S	76° 27' 7.591" W	
649143.251	2512706.183	22° 42' 54.174" S	76° 27' 7.841" W	
649173.985	2512708.479	22° 42' 54.239" S	76° 27' 8.919" W	
649184.206	2512708.986	22° 42' 54.252" S	76° 27' 9.277" W	
649204.731	2512709.637	22° 42' 54.266" S	76° 27' 9.996" W	
649214.908	2512709.811	22° 42' 54.269" S	76° 27' 10.353" W	
649248.270	2512710.004	22° 42' 54.264" S	76° 27' 11.522" W	
649255.172	2512710.017	22° 42' 54.263" S	76° 27' 11.764" W	
649315.172	2512710.134	22° 42' 54.247" S	76° 27' 13.867" W	
649325.172	2512710.153	22° 42' 54.245" S	76° 27' 14.217" W	
649405.172	2512710.309	22° 42' 54.224" S	76° 27' 17.021" W	
649415.172	2512710.329	22° 42' 54.222" S	76° 27' 17.371" W	
649445.172	2512710.387	22° 42' 54.214" S	76° 27' 18.423" W	
649455.172	2512710.407	22° 42' 54.212" S	76° 27' 18.773" W	
649465.172	2512710.426	22° 42' 54.209" S	76° 27' 19.123" W	
649495.171	2512710.484	22° 42' 54.201" S	76° 27' 20.175" W	
649505.171	2512710.504	22° 42' 54.199" S	76° 27' 20.525" W	
649508.537	2512710.510	22° 42' 54.198" S	76° 27' 20.643" W	

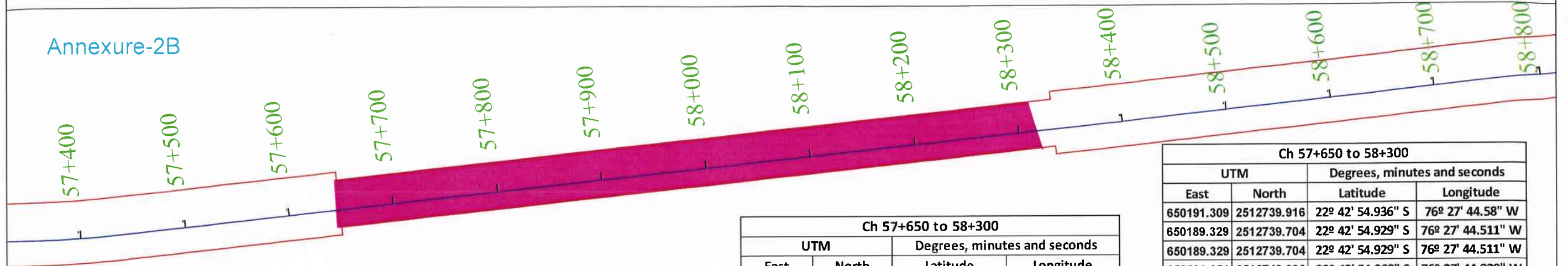
Ch 55+600 to 57+000				
UTM		Degrees, minutes and seconds		
East	North	Latitude	Longitude	
648169.313	2512797.308	22° 42' 57.445" S	76° 26' 33.741" W	
648178.687	2512793.825	22° 42' 57.329" S	76° 26' 34.068" W	
648188.184	2512790.351	22° 42' 57.213" S	76° 26' 34.4" W	
648197.672	2512786.933	22° 42' 57.099" S	76° 26' 34.731" W	
648216.533	2512780.194	22° 42' 56.874" S	76° 26' 35.39" W	
648225.949	2512776.829	22° 42' 56.762" S	76° 26' 35.719" W	
648235.366	2512773.464	22° 42' 56.649" S	76° 26' 36.048" W	
648254.200	2512766.734	22° 42' 56.424" S	76° 26' 36.706" W	
648263.617	2512763.369	22° 42' 56.312" S	76° 26' 37.034" W	
648273.034	2512760.004	22° 42' 56.2" S	76° 26' 37.363" W	
648282.451	2512756.640	22° 42' 56.087" S	76° 26' 37.692" W	
648301.284	2512749.910	22° 42' 55.863" S	76° 26' 38.35" W	
648310.701	2512746.545	22° 42' 55.75" S	76° 26' 38.679" W	
648320.118	2512743.180	22° 42' 55.638" S	76° 26' 39.008" W	
648329.535	2512739.815	22° 42' 55.525" S	76° 26' 39.336" W	
648367.203	2512726.356	22° 42' 55.076" S	76° 26' 40.652" W	
648376.619	2512722.991	22° 42' 54.963" S	76° 26' 40.981" W	
648386.036	2512719.626	22° 42' 54.851" S	76° 26' 41.31" W	
648395.453	2512716.261	22° 42' 54.739" S	76° 26' 41.638" W	
648433.121	2512702.801	22° 42' 54.289" S	76° 26' 42.954" W	
648442.538	2512699.436	22° 42' 54.177" S	76° 26' 43.283" W	
648451.954	2512696.072	22° 42' 54.064" S	76° 26' 43.612" W	
648489.622	2512682.612	22° 42' 53.615" S	76° 26' 44.927" W	
648499.039	2512679.247	22° 42' 53.503" S	76° 26' 45.256" W	
648508.456	2512675.882	22° 42' 53.39" S	76° 26' 45.585" W	
648517.873	2512672.517	22° 42' 53.278" S	76° 26' 45.914" W	
648546.124	2512662.422	22° 42' 52.941" S	76° 26' 46.9" W	
648555.604	2512659.046	22° 42' 52.828" S	76° 26' 47.231" W	
648565.143	2512655.688	22° 42' 52.716" S	76° 26' 47.564" W	
648601.065	2512643.880	22° 42' 52.32" S	76° 26' 48.819" W	
648604.239	2512642.931	22° 42' 52.289" S	76° 26' 48.93" W	
648614.149	2512640.005	22° 42' 52.193" S	76° 26' 49.276" W	
648695.356	2512623.226	22° 42' 51.619" S	76° 26' 52.116" W	
648705.644	2512621.885	22° 42' 51.572" S	76° 26' 52.476" W	
648715.952	2512620.715	22° 42' 51.531" S	76° 26' 52.837" W	
648726.279	2512619.716	22° 42' 51.495" S	76° 26' 53.199" W	
648767.710	2512617.448	22° 42' 51.408" S	76° 26' 54.65" W	
648778.084	2512617.313	22° 42' 51.4" S	76° 26' 55.013" W	
648788.458	2512617.351	22° 42' 51.398" S	76° 26' 55.377" W	
648798.831	2512617.562	22° 42' 51.402" S	76° 26' 55.741" W	
648829.876	2512619.228	22° 42' 51.446" S	76° 26' 56.829" W	

<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

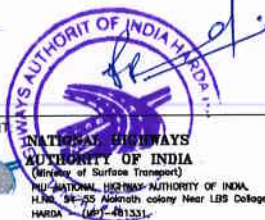
Annexure-2B



Ch 57+650 to 58+300			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
650192.306	2512694.774	22° 42' 53.468" S	76° 27' 44.6" W
650206.150	2512696.263	22° 42' 53.512" S	76° 27' 45.085" W
650216.091	2512697.352	22° 42' 53.544" S	76° 27' 45.434" W
650245.912	2512700.618	22° 42' 53.641" S	76° 27' 46.48" W
650255.853	2512701.707	22° 42' 53.673" S	76° 27' 46.829" W
650265.793	2512702.796	22° 42' 53.705" S	76° 27' 47.178" W
650275.734	2512703.885	22° 42' 53.737" S	76° 27' 47.526" W
650295.615	2512706.062	22° 42' 53.802" S	76° 27' 48.224" W
650305.556	2512707.151	22° 42' 53.834" S	76° 27' 48.573" W
650315.496	2512708.240	22° 42' 53.866" S	76° 27' 48.921" W
650325.437	2512709.328	22° 42' 53.898" S	76° 27' 49.27" W
650345.318	2512711.506	22° 42' 53.963" S	76° 27' 49.967" W
650355.258	2512712.595	22° 42' 53.995" S	76° 27' 50.316" W
650365.199	2512713.683	22° 42' 54.027" S	76° 27' 50.665" W
650414.902	2512719.127	22° 42' 54.188" S	76° 27' 52.409" W
650424.842	2512720.216	22° 42' 54.22" S	76° 27' 52.757" W
650434.783	2512721.305	22° 42' 54.253" S	76° 27' 53.106" W
650454.664	2512723.482	22° 42' 54.317" S	76° 27' 53.803" W
650494.426	2512727.837	22° 42' 54.446" S	76° 27' 55.198" W
650564.010	2512735.458	22° 42' 54.671" S	76° 27' 57.639" W
650573.951	2512736.547	22° 42' 54.703" S	76° 27' 57.988" W
650593.832	2512738.725	22° 42' 54.768" S	76° 27' 58.686" W
650653.475	2512745.257	22° 42' 54.961" S	76° 28' 0.778" W
650663.416	2512746.346	22° 42' 54.993" S	76° 28' 1.127" W
650693.237	2512749.612	22° 42' 55.09" S	76° 28' 2.173" W
650703.178	2512750.701	22° 42' 55.122" S	76° 28' 2.522" W
650742.940	2512755.056	22° 42' 55.251" S	76° 28' 3.917" W
650752.881	2512756.145	22° 42' 55.283" S	76° 28' 4.265" W
650762.821	2512757.234	22° 42' 55.315" S	76° 28' 4.614" W
650772.762	2512758.322	22° 42' 55.347" S	76° 28' 4.963" W
650802.583	2512761.589	22° 42' 55.444" S	76° 28' 6.009" W
650812.524	2512762.677	22° 42' 55.476" S	76° 28' 6.358" W
650842.346	2512765.944	22° 42' 55.573" S	76° 28' 7.404" W
650852.286	2512767.032	22° 42' 55.605" S	76° 28' 7.753" W
650863.273	2512768.236	22° 42' 55.641" S	76° 28' 8.138" W

Ch 57+650 to 58+300			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
650191.309	2512739.916	22° 42' 54.936" S	76° 27' 44.58" W
650189.329	2512739.704	22° 42' 54.929" S	76° 27' 44.511" W
650189.329	2512739.704	22° 42' 54.929" S	76° 27' 44.511" W
650201.251	2512740.996	22° 42' 54.968" S	76° 27' 44.929" W
650231.072	2512744.262	22° 42' 55.064" S	76° 27' 45.975" W
650241.013	2512745.351	22° 42' 55.096" S	76° 27' 46.324" W
650250.953	2512746.439	22° 42' 55.129" S	76° 27' 46.673" W
650270.835	2512748.617	22° 42' 55.193" S	76° 27' 47.37" W
650280.775	2512749.706	22° 42' 55.225" S	76° 27' 47.719" W
650290.716	2512750.795	22° 42' 55.257" S	76° 27' 48.068" W
650300.656	2512751.883	22° 42' 55.29" S	76° 27' 48.416" W
650320.537	2512754.061	22° 42' 55.354" S	76° 27' 49.114" W
650330.478	2512755.150	22° 42' 55.386" S	76° 27' 49.462" W
650340.418	2512756.238	22° 42' 55.418" S	76° 27' 49.811" W
650380.181	2512760.593	22° 42' 55.547" S	76° 27' 51.206" W
650390.121	2512761.682	22° 42' 55.58" S	76° 27' 51.555" W
650400.062	2512762.771	22° 42' 55.612" S	76° 27' 51.904" W
650410.002	2512763.860	22° 42' 55.644" S	76° 27' 52.252" W
650449.765	2512768.215	22° 42' 55.773" S	76° 27' 53.647" W
650459.705	2512769.303	22° 42' 55.805" S	76° 27' 53.996" W
650469.646	2512770.392	22° 42' 55.837" S	76° 27' 54.345" W
650499.467	2512773.658	22° 42' 55.934" S	76° 27' 55.391" W
650509.408	2512774.747	22° 42' 55.966" S	76° 27' 55.74" W
650539.230	2512778.013	22° 42' 56.063" S	76° 27' 56.786" W
650549.170	2512779.102	22° 42' 56.095" S	76° 27' 57.135" W
650578.992	2512782.368	22° 42' 56.191" S	76° 27' 58.181" W
650588.932	2512783.457	22° 42' 56.224" S	76° 27' 58.529" W
650618.754	2512786.723	22° 42' 56.32" S	76° 27' 59.576" W
650628.695	2512787.812	22° 42' 56.352" S	76° 27' 59.924" W
650638.635	2512788.901	22° 42' 56.385" S	76° 28' 0.273" W
650678.397	2512793.256	22° 42' 56.513" S	76° 28' 1.668" W
650688.338	2512794.345	22° 42' 56.546" S	76° 28' 2.017" W
650738.041	2512799.789	22° 42' 56.707" S	76° 28' 3.76" W
650747.981	2512800.877	22° 42' 56.739" S	76° 28' 4.109" W
650787.743	2512805.232	22° 42' 56.868" S	76° 28' 5.504" W
650797.684	2512806.321	22° 42' 56.9" S	76° 28' 5.853" W
650827.506	2512809.587	22° 42' 56.996" S	76° 28' 6.899" W
650837.446	2512810.676	22° 42' 57.029" S	76° 28' 7.248" W
650847.387	2512811.765	22° 42' 57.061" S	76° 28' 7.597" W
650850.385	2512812.093	22° 42' 57.07" S	76° 28' 7.702" W

Project Director
NHAI, PIU-Harda (M.P.)



PROJECT :

Four laning of Indore to Harda section of NH-47 (Old NH-59A) under Bharatmala Pariyojna Phase I (Economic Corridor) in the State of Madhya Pradesh on HAM mode - Package II

TITLE:

Forest Georeference Map of Pkg-II

Indore - Harda NH - 47

DRG. NO.

DRAWN

M.P.

CHECKED

V.P.

APPROVED

R.S.

LEGEND:-

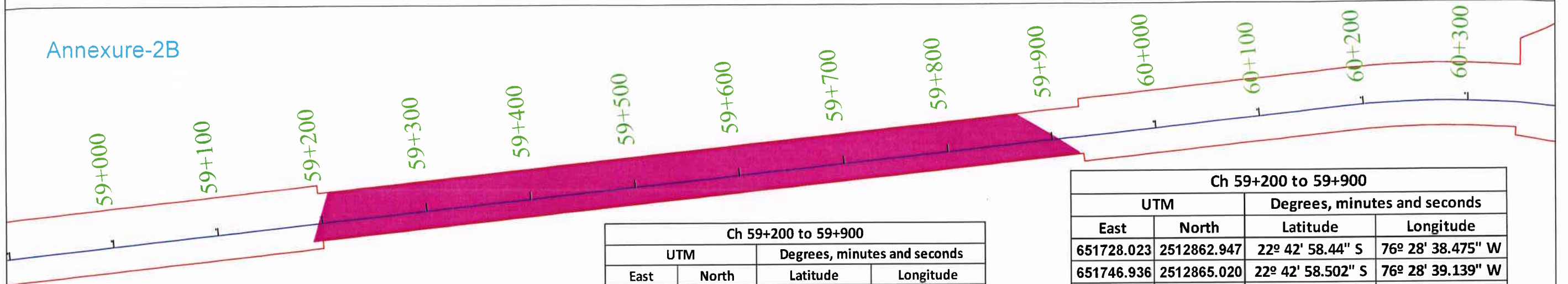
Existing Center Line
Proposed Center Line
Existing Row
Proposed Row

<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

Annexure-2B



Ch 59+200 to 59+900			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
651741.938	2512909.742	22° 42' 59.957" S	76° 28' 38.979" W
651742.037	2512909.753	22° 42' 59.958" S	76° 28' 38.983" W
651751.977	2512910.842	22° 42' 59.99" S	76° 28' 39.331" W
651761.918	2512911.930	22° 43' 0.022" S	76° 28' 39.68" W
651791.739	2512915.197	22° 43' 0.119" S	76° 28' 40.726" W
651801.680	2512916.285	22° 43' 0.151" S	76° 28' 41.075" W
651811.620	2512917.374	22° 43' 0.183" S	76° 28' 41.424" W
651831.502	2512919.652	22° 43' 0.247" S	76° 28' 42.121" W
651841.442	2512920.640	22° 43' 0.279" S	76° 28' 42.47" W
651851.383	2512921.729	22° 43' 0.312" S	76° 28' 42.819" W
651861.323	2512922.818	22° 43' 0.344" S	76° 28' 43.167" W
651881.204	2512924.996	22° 43' 0.408" S	76° 28' 43.865" W
651891.145	2512926.084	22° 43' 0.44" S	76° 28' 44.214" W
651901.085	2512927.173	22° 43' 0.472" S	76° 28' 44.562" W
651970.669	2512934.794	22° 43' 0.698" S	76° 28' 47.003" W
651980.610	2512935.883	22° 43' 0.73" S	76° 28' 47.352" W
652060.134	2512944.593	22° 43' 0.987" S	76° 28' 50.142" W
652070.075	2512945.682	22° 43' 1.019" S	76° 28' 50.491" W
652080.015	2512946.771	22° 43' 1.052" S	76° 28' 50.84" W
652089.956	2512947.859	22° 43' 1.084" S	76° 28' 51.188" W
652099.896	2512948.948	22° 43' 1.116" S	76° 28' 51.537" W
652139.659	2512953.303	22° 43' 1.245" S	76° 28' 52.932" W
652149.599	2512954.392	22° 43' 1.277" S	76° 28' 53.281" W
652159.540	2512955.481	22° 43' 1.309" S	76° 28' 53.629" W
652199.302	2512959.836	22° 43' 1.438" S	76° 28' 55.024" W
652239.064	2512964.191	22° 43' 1.566" S	76° 28' 56.419" W
652249.005	2512965.280	22° 43' 1.598" S	76° 28' 56.768" W
652288.767	2512969.635	22° 43' 1.727" S	76° 28' 58.163" W
652298.708	2512970.723	22° 43' 1.759" S	76° 28' 58.512" W
652328.529	2512973.990	22° 43' 1.856" S	76° 28' 59.558" W
652358.351	2512977.256	22° 43' 1.952" S	76° 29' 0.604" W
652388.173	2512980.522	22° 43' 2.049" S	76° 29' 1.65" W
652396.657	2512981.451	22° 43' 2.076" S	76° 29' 1.948" W

Ch 59+200 to 59+900			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
651728.023	2512862.947	22° 42' 58.44" S	76° 28' 38.475" W
651746.936	2512865.020	22° 42' 58.502" S	76° 28' 39.139" W
651756.876	2512866.109	22° 42' 58.534" S	76° 28' 39.487" W
651796.639	2512870.464	22° 42' 58.663" S	76° 28' 40.882" W
651806.579	2512871.553	22° 42' 58.695" S	76° 28' 41.231" W
651816.520	2512872.642	22° 42' 58.727" S	76° 28' 41.58" W
651836.401	2512874.819	22° 42' 58.791" S	76° 28' 42.277" W
651846.341	2512875.908	22° 42' 58.824" S	76° 28' 42.626" W
651856.282	2512876.997	22° 42' 58.856" S	76° 28' 42.975" W
651866.223	2512878.086	22° 42' 58.888" S	76° 28' 43.323" W
651886.104	2512880.263	22° 42' 58.952" S	76° 28' 44.021" W
651896.044	2512881.352	22° 42' 58.984" S	76° 28' 44.37" W
651905.985	2512882.441	22° 42' 59.017" S	76° 28' 44.718" W
651935.806	2512885.707	22° 42' 59.113" S	76° 28' 45.765" W
651955.688	2512887.884	22° 42' 59.177" S	76° 28' 46.462" W
651965.628	2512888.973	22° 42' 59.21" S	76° 28' 46.811" W
652035.212	2512896.594	22° 42' 59.435" S	76° 28' 49.252" W
652045.153	2512897.683	22° 42' 59.467" S	76° 28' 49.601" W
652094.855	2512903.127	22° 42' 59.628" S	76° 28' 51.344" W
652104.796	2512904.216	22° 42' 59.66" S	76° 28' 51.693" W
652154.499	2512909.659	22° 42' 59.821" S	76° 28' 53.437" W
652194.261	2512914.014	22° 42' 59.949" S	76° 28' 54.832" W
652204.201	2512915.103	22° 42' 59.982" S	76° 28' 55.18" W
652253.904	2512920.547	22° 43' 0.142" S	76° 28' 56.924" W
652293.666	2512924.902	22° 43' 0.271" S	76° 28' 58.319" W
652303.607	2512925.991	22° 43' 0.303" S	76° 28' 58.668" W
652333.429	2512929.257	22° 43' 0.4" S	76° 28' 59.714" W
652343.369	2512930.346	22° 43' 0.432" S	76° 29' 0.063" W
652373.191	2512933.612	22° 43' 0.528" S	76° 29' 1.109" W
652412.953	2512937.967	22° 43' 0.657" S	76° 29' 2.504" W
652422.894	2512939.056	22° 43' 0.689" S	76° 29' 2.853" W
652458.976	2512943.008	22° 43' 0.806" S	76° 29' 4.118" W

Project Director
NHAI, PIU-Harda (M.P.)

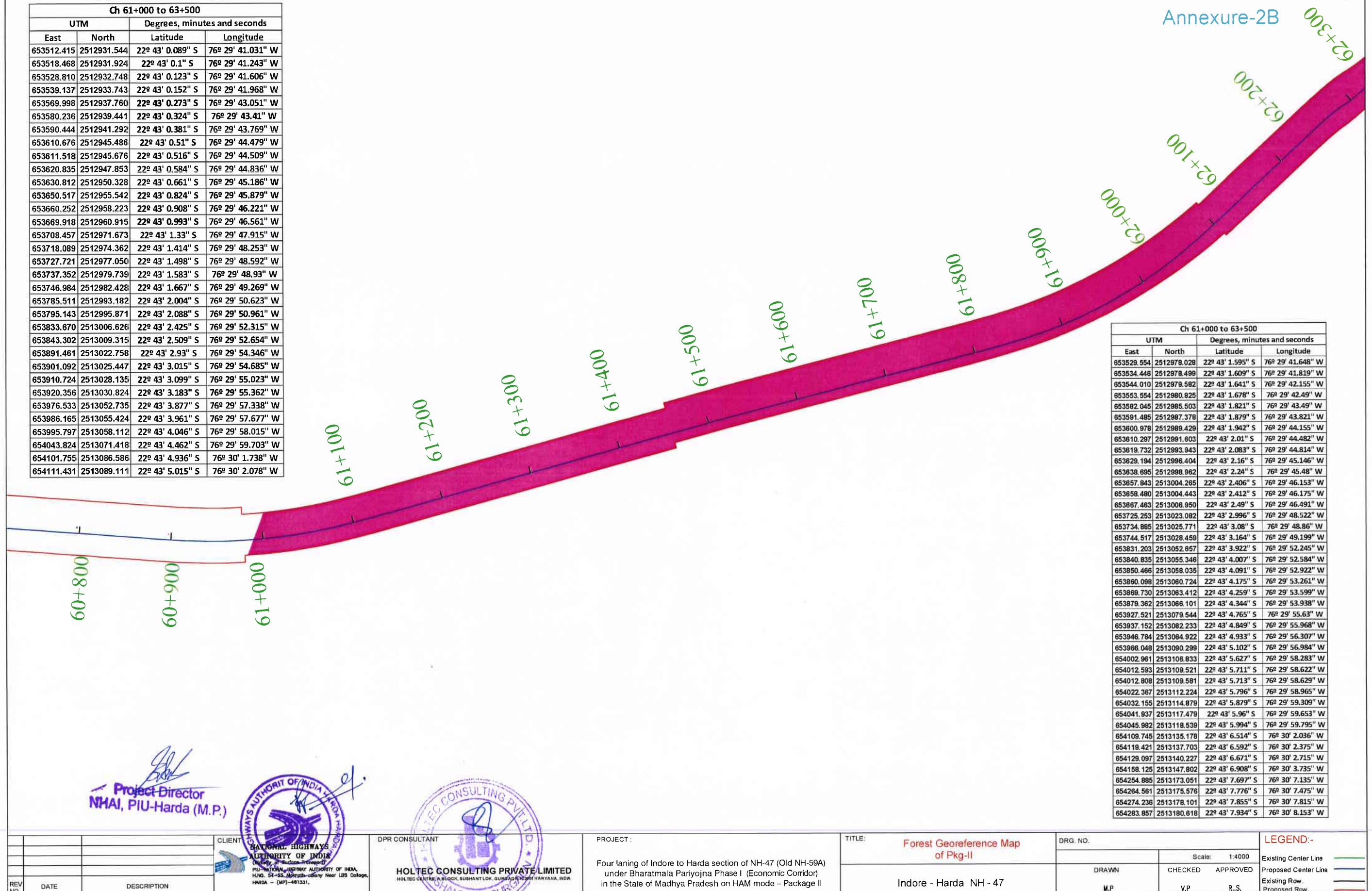


REV NO.	DATE	DESCRIPTION	CLIENT:	DPR CONSULTANT:	PROJECT:	TITLE:	DRG. NO.	Scale:	LEGEND:-
			NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Surface Transport) PIU-NATIONAL HIGHWAYS AUTHORITY OF INDIA H.NO. 54-55 Akasht colony Near LBS College, HARDA - (MP)-461331.	HOLTEC CONSULTING PRIVATE LIMITED MULTI-CENTRE, A BLOCK, SUSHANT LOK, GURGAON-122001 HARYANA, INDIA	Four laning of Indore to Harda section of NH-47 (Old NH-59A) under Bharatmala Pariyojna Phase I (Economic Corridor) in the State of Madhya Pradesh on HAM mode - Package II	Forest Georeference Map of Pkg-II Indore - Harda NH - 47		1:4000	Existing Center Line Proposed Center Line Existing Row. Proposed Row.
							DRAWN M.P.	CHECKED V.P.	APPROVED R.S.

<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>



<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

Annexure-2B



Project Director
NHAI, PIU-Harda (M.P.)



DPR CONSULTANT

HOLTEC CONSULTING PRIVATE LIMITED
HOLTEC CENTRE, A BLOCK, SUSHANT LOK, SURGAON, GURGAON, HARYANA, INDIA

PROJECT :

Four laning of Indore to Harda section of NH-47 (Old NH-59A)
under Bharatmala Pariyojna Phase I (Economic Corridor)
in the State of Madhya Pradesh on HAM mode - Package II

TITLE:

Forest Georeference Map
of Pkg-II

Indore - Harda NH - 47

DRG. NO.

DRAWN
M.P.

CHECKED
V.P.

APPROVED
R.S.

LEGEND:-

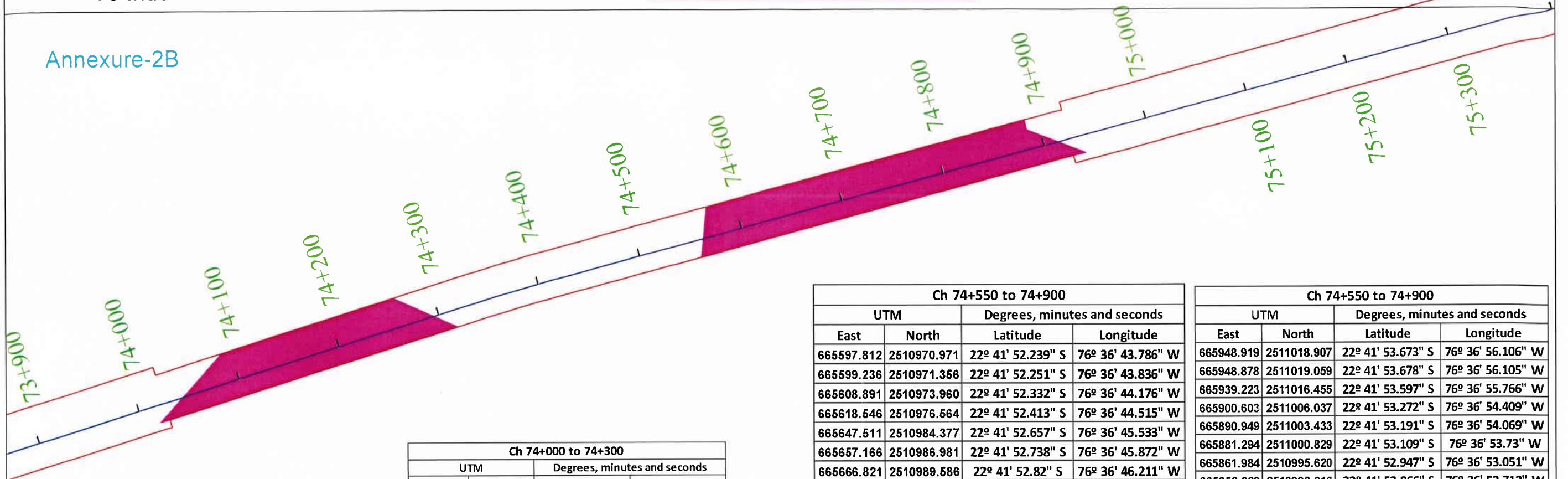
Existing Center Line
Proposed Center Line
Existing Row
Proposed Row

<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

Annexure-2B



Ch 74+000 to 74+300			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
665134.514	2510833.473	22° 41' 47.932" S	76° 36' 27.502" W
665141.232	2510835.600	22° 41' 47.999" S	76° 36' 27.738" W
665150.766	2510838.617	22° 41' 48.094" S	76° 36' 28.073" W
665160.299	2510841.635	22° 41' 48.189" S	76° 36' 28.408" W
665172.390	2510845.462	22° 41' 48.309" S	76° 36' 28.833" W
665191.457	2510851.498	22° 41' 48.498" S	76° 36' 29.504" W
665210.525	2510857.533	22° 41' 48.688" S	76° 36' 30.174" W
665229.593	2510863.568	22° 41' 48.877" S	76° 36' 30.844" W
665248.660	2510869.603	22° 41' 49.067" S	76° 36' 31.515" W
665262.146	2510873.872	22° 41' 49.201" S	76° 36' 31.989" W
665271.679	2510876.890	22° 41' 49.296" S	76° 36' 32.324" W
665281.213	2510879.907	22° 41' 49.39" S	76° 36' 32.659" W
665290.747	2510882.925	22° 41' 49.485" S	76° 36' 32.994" W
665290.748	2510882.925	22° 41' 49.485" S	76° 36' 32.994" W

Ch 74+000 to 74+300			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
665360.050	2510857.660	22° 41' 48.639" S	76° 36' 35.413" W
665351.996	2510855.111	22° 41' 48.559" S	76° 36' 35.13" W
665342.462	2510852.093	22° 41' 48.464" S	76° 36' 34.795" W
665332.928	2510849.076	22° 41' 48.37" S	76° 36' 34.459" W
665323.394	2510846.058	22° 41' 48.275" S	76° 36' 34.124" W
665313.860	2510843.040	22° 41' 48.18" S	76° 36' 33.789" W
665304.327	2510840.023	22° 41' 48.085" S	76° 36' 33.454" W
665294.793	2510837.005	22° 41' 47.991" S	76° 36' 33.119" W
665285.259	2510833.987	22° 41' 47.896" S	76° 36' 32.783" W
665275.725	2510830.970	22° 41' 47.801" S	76° 36' 32.448" W
665262.240	2510826.701	22° 41' 47.667" S	76° 36' 31.974" W
665243.172	2510820.666	22° 41' 47.478" S	76° 36' 31.304" W
665224.105	2510814.631	22° 41' 47.288" S	76° 36' 30.633" W
665205.037	2510808.595	22° 41' 47.099" S	76° 36' 29.963" W
665185.969	2510802.560	22° 41' 46.909" S	76° 36' 29.293" W
665173.880	2510798.733	22° 41' 46.789" S	76° 36' 28.868" W
665164.345	2510795.715	22° 41' 46.694" S	76° 36' 28.532" W
665154.811	2510792.697	22° 41' 46.6" S	76° 36' 28.197" W
665145.278	2510789.680	22° 41' 46.505" S	76° 36' 27.862" W
665142.014	2510788.647	22° 41' 46.472" S	76° 36' 27.747" W
665135.744	2510786.662	22° 41' 46.41" S	76° 36' 27.527" W
665126.210	2510783.644	22° 41' 46.315" S	76° 36' 27.192" W
665116.676	2510780.627	22° 41' 46.221" S	76° 36' 26.857" W
665107.142	2510777.609	22° 41' 46.126" S	76° 36' 26.521" W
665097.609	2510774.591	22° 41' 46.031" S	76° 36' 26.186" W
665088.075	2510771.574	22° 41' 45.936" S	76° 36' 25.851" W
665085.049	2510770.616	22° 41' 45.906" S	76° 36' 25.745" W

Ch 74+550 to 74+900			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
665597.812	2510970.971	22° 41' 52.239" S	76° 36' 43.786" W
665599.236	2510971.366	22° 41' 52.251" S	76° 36' 43.836" W
665608.891	2510973.960	22° 41' 52.332" S	76° 36' 44.176" W
665618.546	2510976.564	22° 41' 52.413" S	76° 36' 44.515" W
665647.511	2510984.377	22° 41' 52.657" S	76° 36' 45.533" W
665657.166	2510986.981	22° 41' 52.738" S	76° 36' 45.872" W
665666.821	2510989.686	22° 41' 52.82" S	76° 36' 46.211" W
665686.131	2510994.794	22° 41' 52.982" S	76° 36' 46.89" W
665696.786	2510997.399	22° 41' 53.063" S	76° 36' 47.229" W
665705.440	2511000.003	22° 41' 53.145" S	76° 36' 47.568" W
665715.095	2511002.607	22° 41' 53.226" S	76° 36' 47.908" W
665734.405	2511007.816	22° 41' 53.388" S	76° 36' 48.586" W
665744.060	2511010.420	22° 41' 53.47" S	76° 36' 48.925" W
665753.715	2511013.024	22° 41' 53.551" S	76° 36' 49.265" W
665763.370	2511015.629	22° 41' 53.632" S	76° 36' 49.604" W
665773.025	2511018.233	22° 41' 53.713" S	76° 36' 49.943" W
665782.680	2511020.837	22° 41' 53.795" S	76° 36' 50.282" W
665821.300	2511031.254	22° 41' 54.12" S	76° 36' 51.64" W
665830.955	2511033.859	22° 41' 54.201" S	76° 36' 51.979" W
665840.609	2511036.463	22° 41' 54.282" S	76° 36' 52.318" W
665850.264	2511039.067	22° 41' 54.363" S	76° 36' 52.657" W
665859.919	2511041.672	22° 41' 54.445" S	76° 36' 52.997" W
665879.229	2511046.880	22° 41' 54.607" S	76° 36' 53.675" W
665888.884	2511049.485	22° 41' 54.688" S	76° 36' 54.014" W
665898.539	2511052.089	22° 41' 54.77" S	76° 36' 54.354" W
665901.371	2511052.853	22° 41' 54.794" S	76° 36' 54.453" W

Ch 74+550 to 74+900			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
665948.919	2511018.907	22° 41' 53.673" S	76° 36' 56.106" W
665948.878	2511019.059	22° 41' 53.678" S	76° 36' 56.105" W
665939.223	2511016.455	22° 41' 53.597" S	76° 36' 55.766" W
665900.603	2511006.037	22° 41' 53.272" S	76° 36' 54.409" W
665890.949	2511003.433	22° 41' 53.191" S	76° 36' 54.069" W
665881.294	2511000.829	22° 41' 53.109" S	76° 36' 53.73" W
665861.984	2510995.620	22° 41' 52.947" S	76° 36' 53.051" W
665852.329	2510993.016	22° 41' 52.866" S	76° 36' 52.712" W
665842.674	2510990.412	22° 41' 52.784" S	76° 36' 52.373" W
665833.019	2510987.807	22° 41' 52.703" S	76° 36' 52.034" W
665813.709	2510982.599	22° 41' 52.541" S	76° 36' 51.355" W
665804.054	2510979.994	22° 41' 52.459" S	76° 36' 51.016" W
665794.399	2510977.390	22° 41' 52.378" S	76° 36' 50.677" W
665736.470	2510961.764	22° 41' 51.891" S	76° 36' 48.641" W
665726.815	2510959.160	22° 41' 51.809" S	76° 36' 48.302" W
665717.160	2510956.556	22° 41' 51.728" S	76° 36' 47.962" W
665707.505	2510953.951	22° 41' 51.647" S	76° 36' 47.623" W
665697.850	2510951.347	22° 41' 51.566" S	76° 36' 47.284" W
665649.575	2510938.326	22° 41' 51.159" S	76° 36' 45.588" W
665639.920	2510935.721	22° 41' 51.078" S	76° 36' 45.248" W
665620.611	2510930.513	22° 41' 50.916" S	76° 36' 44.57" W
665610.956	2510927.909	22° 41' 50.834" S	76° 36' 44.23" W
665601.301	2510925.304	22° 41' 50.753" S	76° 36' 43.891" W
665593.296	2510923.145	22° 41' 50.686" S	76° 36' 43.61" W

Project Director
NHAI, PIU-Harda (M.P.)



PROJECT :
Four laning of Indore to Harda section of NH-47 (Old NH-59A)
under Bharatmala Pariyojna Phase I (Economic Corridor)
in the State of Madhya Pradesh on HAM mode - Package II

TITLE: Forest Georeference Map
of Pkg-II
Indore - Harda NH - 47

DRG. NO.:
Scale: 1:4000
DRAWN: M.P.
CHECKED: V.P.
APPROVED: R.S.

LEGEND:-
Existing Center Line
Proposed Center Line
Existing Row
Proposed Row

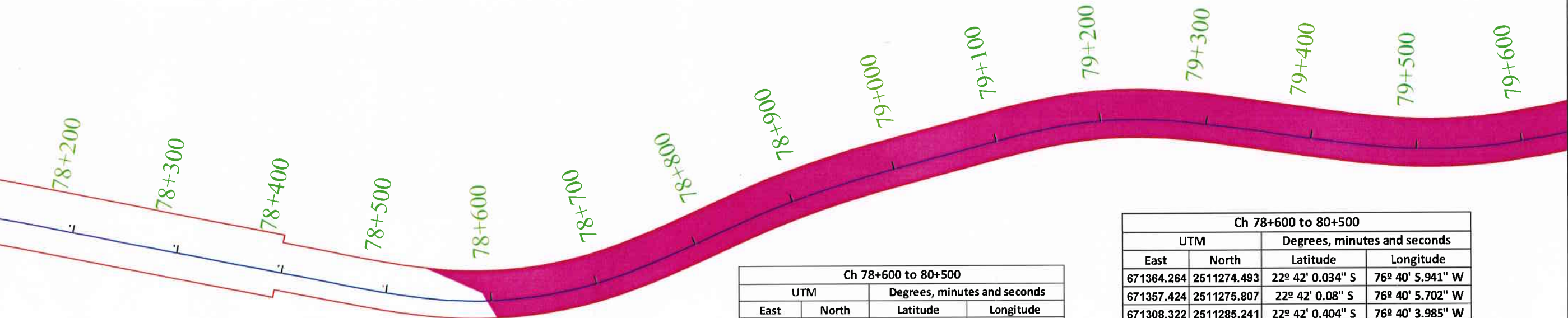
REV NO.	DATE	DESCRIPTION

<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

Annexure-2B



Ch 78+600 to 80+500			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
669491.727	2510979.335	22° 41' 51.12" S	76° 39' 0.218" W
669502.253	2510978.164	22° 41' 51.078" S	76° 39' 0.587" W
669515.687	2510977.121	22° 41' 51.039" S	76° 39' 1.057" W
669526.911	2510976.609	22° 41' 51.019" S	76° 39' 1.45" W
669565.134	2510977.377	22° 41' 51.03" S	76° 39' 2.79" W
669580.796	2510978.814	22° 41' 51.071" S	76° 39' 3.339" W
669596.384	2510980.903	22° 41' 51.133" S	76° 39' 3.886" W
669627.233	2510987.017	22° 41' 51.321" S	76° 39' 4.969" W
669642.594	2510991.074	22° 41' 51.447" S	76° 39' 5.509" W
669647.108	2510992.400	22° 41' 51.488" S	76° 39' 5.667" W
669660.695	2510996.752	22° 41' 51.625" S	76° 39' 6.145" W
669687.474	2511006.705	22° 41' 51.939" S	76° 39' 7.087" W
669702.440	2511012.903	22° 41' 52.135" S	76° 39' 7.614" W
669717.403	2511019.425	22° 41' 52.342" S	76° 39' 8.141" W
669732.417	2511026.186	22° 41' 52.556" S	76° 39' 8.67" W
669746.263	2511032.516	22° 41' 52.757" S	76° 39' 9.157" W
669793.449	2511053.623	22° 41' 53.426" S	76° 39' 10.819" W
669809.363	2511060.214	22° 41' 53.634" S	76° 39' 11.379" W
669825.458	2511066.529	22° 41' 53.834" S	76° 39' 11.945" W
669889.645	2511088.354	22° 41' 54.52" S	76° 39' 14.202" W
669906.189	2511093.159	22° 41' 54.67" S	76° 39' 14.784" W
669922.669	2511097.725	22° 41' 54.813" S	76° 39' 15.363" W
669938.387	2511101.977	22° 41' 54.945" S	76° 39' 15.916" W
670052.574	2511131.923	22° 41' 55.877" S	76° 39' 19.928" W
670069.436	2511135.541	22° 41' 55.989" S	76° 39' 20.52" W
670087.018	2511138.781	22° 41' 56.088" S	76° 39' 21.137" W
670104.825	2511141.401	22° 41' 56.166" S	76° 39' 21.762" W
670121.365	2511143.162	22° 41' 56.218" S	76° 39' 22.343" W
670208.619	2511142.071	22° 41' 56.151" S	76° 39' 25.399" W
670225.674	2511140.241	22° 41' 56.085" S	76° 39' 25.996" W
670374.258	2511120.069	22° 41' 55.375" S	76° 39' 31.194" W

Ch 78+600 to 80+500			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
671364.264	2511274.493	22° 42' 0.034" S	76° 40' 5.941" W
671357.424	2511275.807	22° 42' 0.08" S	76° 40' 5.702" W
671308.322	2511285.241	22° 42' 0.404" S	76° 40' 3.985" W
671193.984	2511307.101	22° 42' 1.157" S	76° 39' 59.988" W
671177.889	2511309.907	22° 42' 1.254" S	76° 39' 59.425" W
671161.876	2511312.407	22° 42' 1.341" S	76° 39' 58.865" W
671132.393	2511315.901	22° 42' 1.465" S	76° 39' 57.833" W
671117.586	2511316.950	22° 42' 1.505" S	76° 39' 57.315" W
671114.561	2511317.095	22° 42' 1.511" S	76° 39' 57.209" W
671098.653	2511317.453	22° 42' 1.528" S	76° 39' 56.652" W
671067.229	2511316.197	22° 42' 1.499" S	76° 39' 55.55" W
671051.584	2511314.588	22° 42' 1.452" S	76° 39' 55.001" W
671036.019	2511312.329	22° 42' 1.384" S	76° 39' 54.455" W
670975.097	2511296.884	22° 42' 0.904" S	76° 39' 52.314" W
670960.714	2511291.602	22° 42' 0.738" S	76° 39' 51.808" W
670946.555	2511285.740	22° 42' 0.553" S	76° 39' 51.31" W
670931.451	2511278.747	22° 42' 0.331" S	76° 39' 50.778" W
670917.239	2511271.535	22° 42' 0.101" S	76° 39' 50.277" W
670853.059	2511234.036	22° 41' 58.906" S	76° 39' 48.014" W
670846.672	2511230.117	22° 41' 58.781" S	76° 39' 47.789" W
670804.054	2511203.968	22° 41' 57.946" S	76° 39' 46.285" W
670761.437	2511177.819	22° 41' 57.112" S	76° 39' 44.782" W
670752.572	2511172.379	22° 41' 56.938" S	76° 39' 44.469" W
670688.605	2511134.769	22° 41' 55.739" S	76° 39' 42.213" W
670673.373	2511126.828	22° 41' 55.486" S	76° 39' 41.676" W
670668.145	2511124.233	22° 41' 55.404" S	76° 39' 41.492" W
670654.185	2511117.653	22° 41' 55.195" S	76° 39' 41.001" W
670639.938	2511111.448	22° 41' 54.998" S	76° 39' 40.499" W
670625.493	2511105.662	22° 41' 54.815" S	76° 39' 39.991" W
670541.984	2511081.398	22° 41' 54.057" S	76° 39' 37.055" W
670524.858	2511078.233	22° 41' 53.96" S	76° 39' 36.454" W
670472.981	2511072.182	22° 41' 53.783" S	76° 39' 34.634" W

Project Director
NHAI, PIU-Harda (M.P.)



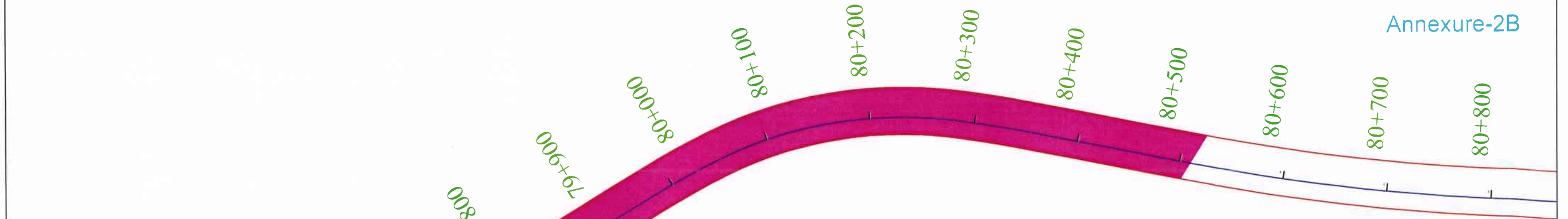
CLIENT: NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Surface Transport), PIU - Indore, Indore Authority of India, H.NO. 51-53, Annapurna colony, Near LBS College, HARDA - (M.P.)-461331.			DPR CONSULTANT: HOLTEC CONSULTING PRIVATE LIMITED, HOLTEC CENTRE, A BLOCK SUSHANT LOK, SURFASH-135001 HARTANA, INDIA		PROJECT: Four laning of Indore to Harda section of NH-47 (Old NH-59A) under Bharatmala Pariyojna Phase I (Economic Corridor) in the State of Madhya Pradesh on HAM mode - Package II		TITLE: Forest Georeference Map of Pkg-II		DRG. NO.		LEGEND:-	
REV NO.			DATE		DESCRIPTION		Indore - Harda NH - 47		DRAWN: M.P.		CHECKED: V.P. APPROVED: R.S.	
											Existing Center Line	
											Proposed Center Line	
											Existing Row.	
											Proposed Row.	

<<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>>

Annexure-2B



Ch 78+600 to 80+500			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
670388.474	2511118.576	22° 41' 55.321" S	76° 39' 31.691" W
670402.660	2511117.377	22° 41' 55.277" S	76° 39' 32.188" W
670485.869	2511118.406	22° 41' 55.281" S	76° 39' 35.104" W
670501.677	2511120.250	22° 41' 55.335" S	76° 39' 35.658" W
670517.416	2511122.619	22° 41' 55.406" S	76° 39' 36.211" W
670594.446	2511142.243	22° 41' 56.016" S	76° 39' 38.917" W
670609.419	2511147.700	22° 41' 56.188" S	76° 39' 39.444" W
670622.584	2511152.973	22° 41' 56.355" S	76° 39' 39.907" W
670695.501	2511190.410	22° 41' 57.545" S	76° 39' 42.477" W
670712.260	2511200.472	22° 41' 57.866" S	76° 39' 43.068" W
670737.903	2511216.174	22° 41' 58.367" S	76° 39' 43.972" W
670780.520	2511242.323	22° 41' 59.202" S	76° 39' 45.476" W
670823.137	2511268.472	22° 42' 0.036" S	76° 39' 46.979" W
670829.557	2511272.411	22° 42' 0.162" S	76° 39' 47.206" W
670847.798	2511283.561	22° 42' 0.518" S	76° 39' 47.849" W
670881.154	2511303.130	22° 42' 1.142" S	76° 39' 49.025" W
670896.299	2511311.371	22° 42' 1.404" S	76° 39' 49.559" W
670911.810	2511319.242	22° 42' 1.654" S	76° 39' 50.106" W
670928.488	2511326.964	22° 42' 1.899" S	76° 39' 50.693" W
670944.344	2511333.528	22° 42' 2.107" S	76° 39' 51.251" W
670960.454	2511339.444	22° 42' 2.293" S	76° 39' 51.818" W
671063.559	2511361.057	22° 42' 2.958" S	76° 39' 55.439" W
671081.130	2511362.126	22° 42' 2.987" S	76° 39' 56.055" W
671098.729	2511362.463	22° 42' 2.991" S	76° 39' 56.672" W
671168.304	2511356.949	22° 42' 2.786" S	76° 39' 59.107" W
671185.225	2511354.307	22° 42' 2.694" S	76° 39' 59.699" W
671201.967	2511351.388	22° 42' 2.593" S	76° 40' 0.285" W
671267.709	2511338.866	22° 42' 2.162" S	76° 40' 2.583" W
671316.812	2511329.433	22° 42' 1.838" S	76° 40' 4.3" W
671365.914	2511319.999	22° 42' 1.513" S	76° 40' 6.016" W
671389.691	2511315.300	22° 42' 1.352" S	76° 40' 6.848" W

Ch 78+600 to 80+500			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
670455.586	2511071.321	22° 41' 53.761" S	76° 39' 34.024" W
670438.173	2511071.040	22° 41' 53.758" S	76° 39' 33.414" W
670384.229	2511073.775	22° 41' 53.867" S	76° 39' 31.525" W
670369.114	2511075.362	22° 41' 53.924" S	76° 39' 30.996" W
670343.936	2511078.512	22° 41' 54.035" S	76° 39' 30.115" W
670265.266	2511089.569	22° 41' 54.423" S	76° 39' 27.363" W
670242.769	2511092.703	22° 41' 54.533" S	76° 39' 26.576" W
670220.433	2511095.545	22° 41' 54.634" S	76° 39' 25.795" W
670158.970	2511099.726	22° 41' 54.792" S	76° 39' 23.643" W
670142.050	2511099.397	22° 41' 54.787" S	76° 39' 23.05" W
670125.191	2511098.315	22° 41' 54.758" S	76° 39' 22.459" W
670062.507	2511088.030	22° 41' 54.447" S	76° 39' 20.259" W
670046.714	2511084.270	22° 41' 54.33" S	76° 39' 19.704" W
670030.859	2511080.225	22° 41' 54.205" S	76° 39' 19.147" W
669934.551	2511054.322	22° 41' 53.397" S	76° 39' 15.763" W
669918.472	2511049.867	22° 41' 53.258" S	76° 39' 15.197" W
669902.572	2511045.249	22° 41' 53.114" S	76° 39' 14.639" W
669826.192	2511018.477	22° 41' 52.271" S	76° 39' 11.952" W
669811.029	2511012.197	22° 41' 52.073" S	76° 39' 11.418" W
669796.330	2511005.808	22° 41' 51.87" S	76° 39' 10.901" W
669751.012	2510985.207	22° 41' 51.217" S	76° 39' 9.305" W
669735.633	2510978.281	22° 41' 50.997" S	76° 39' 8.764" W
669689.782	2510959.344	22° 41' 50.398" S	76° 39' 7.15" W
669675.113	2510954.118	22° 41' 50.234" S	76° 39' 6.634" W
669660.314	2510949.377	22° 41' 50.085" S	76° 39' 6.113" W
669603.289	2510936.426	22° 41' 49.685" S	76° 39' 4.11" W
669585.842	2510934.088	22° 41' 49.615" S	76° 39' 3.498" W
669568.312	2510932.480	22° 41' 49.569" S	76° 39' 2.883" W
669558.398	2510931.985	22° 41' 49.557" S	76° 39' 2.536" W

Project Director
NHAI, PIU-Harda (M.P.)



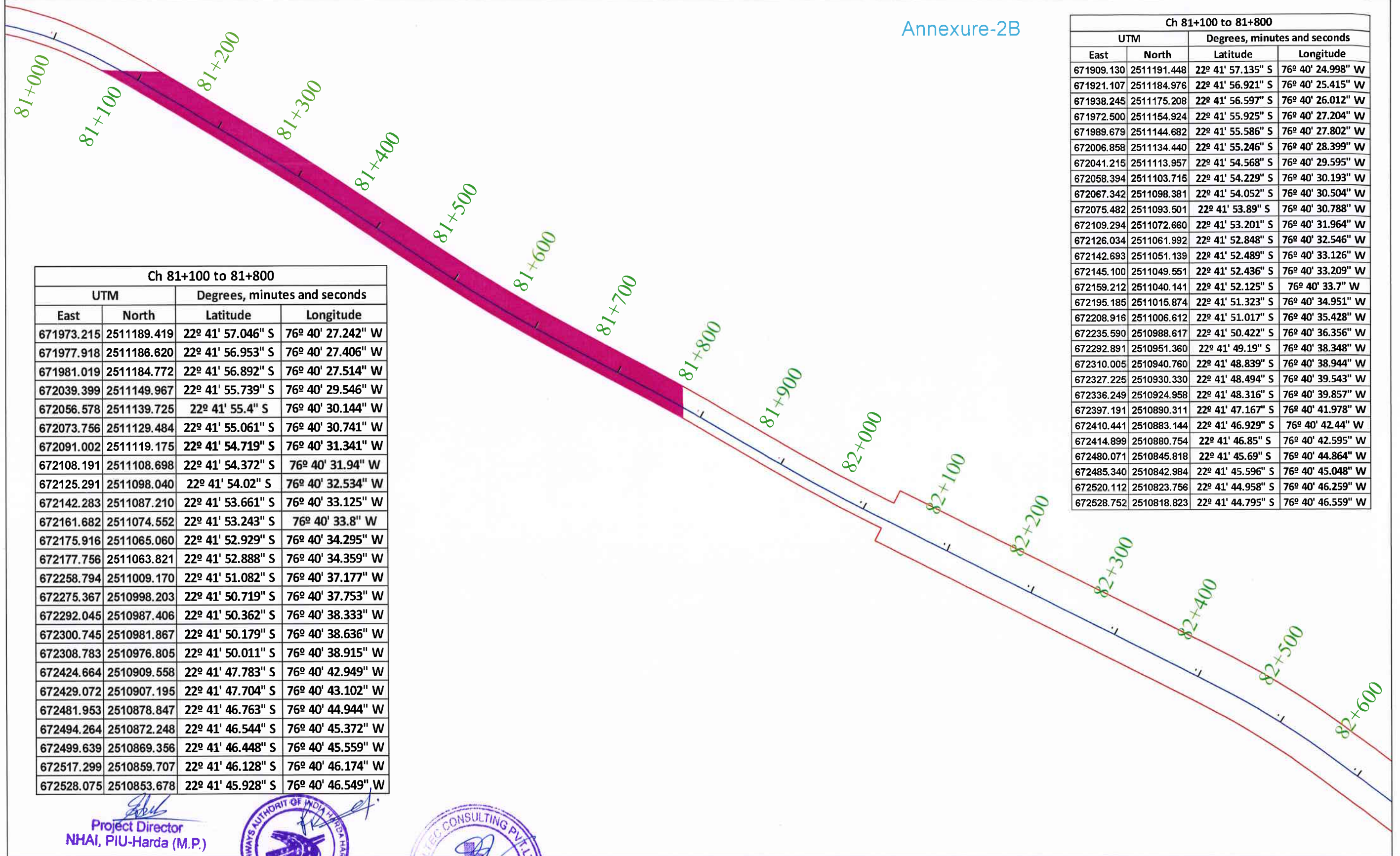
REV NO.	DATE	DESCRIPTION	CLIENT	DPR CONSULTANT	PROJECT	TITLE	DRG. NO.	LEGEND:-
			NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Surface Transport) PIU-NATIONAL HIGHWAYS AUTHORITY OF INDIA, H.NO. 54-55 Akash colony Near IBS College, HARDA - (MP)-481331.	HOLTEC CONSULTING PRIVATE LIMITED HOLTEC CENTRE, A BLOCK, SUBHANT KOW, GURGAON-122001 HARYANA, INDIA	Four laning of Indore to Harda section of NH-47 (Old NH-59A) under Bharatmala Pariyojna Phase I (Economic Corridor) in the State of Madhya Pradesh on HAM mode - Package II	Forest Georeference Map of Pkg-II Indore - Harda NH - 47	Scale: 1:4000 DRAWN M.P. CHECKED V.P. APPROVED R.S.	Existing Center Line Proposed Center Line Existing Row Proposed Row

<<<<<To Indore

GEO-REFERENCE MAP

To Harda>>>>>

Annexure-2B



Ch 81+100 to 81+800			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
671973.215	2511189.419	22° 41' 57.046" S	76° 40' 27.242" W
671977.918	2511186.620	22° 41' 56.953" S	76° 40' 27.406" W
671981.019	2511184.772	22° 41' 56.892" S	76° 40' 27.514" W
672039.399	2511149.967	22° 41' 55.739" S	76° 40' 29.546" W
672056.578	2511139.725	22° 41' 55.4" S	76° 40' 30.144" W
672073.756	2511129.484	22° 41' 55.061" S	76° 40' 30.741" W
672091.002	2511119.175	22° 41' 54.719" S	76° 40' 31.341" W
672108.191	2511108.698	22° 41' 54.372" S	76° 40' 31.94" W
672125.291	2511098.040	22° 41' 54.02" S	76° 40' 32.534" W
672142.283	2511087.210	22° 41' 53.661" S	76° 40' 33.125" W
672161.682	2511074.552	22° 41' 53.243" S	76° 40' 33.8" W
672175.916	2511065.060	22° 41' 52.929" S	76° 40' 34.295" W
672177.756	2511063.821	22° 41' 52.888" S	76° 40' 34.359" W
672258.794	2511009.170	22° 41' 51.082" S	76° 40' 37.177" W
672275.367	2510998.203	22° 41' 50.719" S	76° 40' 37.753" W
672292.045	2510987.406	22° 41' 50.362" S	76° 40' 38.333" W
672300.745	2510981.867	22° 41' 50.179" S	76° 40' 38.636" W
672308.783	2510976.805	22° 41' 50.011" S	76° 40' 38.915" W
672424.664	2510909.558	22° 41' 47.783" S	76° 40' 42.949" W
672429.072	2510907.195	22° 41' 47.704" S	76° 40' 43.102" W
672481.953	2510878.847	22° 41' 46.763" S	76° 40' 44.944" W
672494.264	2510872.248	22° 41' 46.544" S	76° 40' 45.372" W
672499.639	2510869.356	22° 41' 46.448" S	76° 40' 45.559" W
672517.299	2510859.707	22° 41' 46.128" S	76° 40' 46.174" W
672528.075	2510853.678	22° 41' 45.928" S	76° 40' 46.549" W

Ch 81+100 to 81+800			
UTM		Degrees, minutes and seconds	
East	North	Latitude	Longitude
671909.130	2511191.448	22° 41' 57.135" S	76° 40' 24.998" W
671921.107	2511184.976	22° 41' 56.921" S	76° 40' 25.415" W
671938.245	2511175.208	22° 41' 56.597" S	76° 40' 26.012" W
671972.500	2511154.924	22° 41' 55.925" S	76° 40' 27.204" W
671989.679	2511144.682	22° 41' 55.586" S	76° 40' 27.802" W
672006.858	2511134.440	22° 41' 55.246" S	76° 40' 28.399" W
672041.215	2511113.957	22° 41' 54.568" S	76° 40' 29.595" W
672058.394	2511103.715	22° 41' 54.229" S	76° 40' 30.193" W
672067.342	2511098.381	22° 41' 54.052" S	76° 40' 30.504" W
672075.482	2511093.501	22° 41' 53.89" S	76° 40' 30.788" W
672109.294	2511072.660	22° 41' 53.201" S	76° 40' 31.964" W
672126.034	2511061.992	22° 41' 52.848" S	76° 40' 32.546" W
672142.693	2511051.139	22° 41' 52.489" S	76° 40' 33.126" W
672145.100	2511049.551	22° 41' 52.436" S	76° 40' 33.209" W
672159.212	2511040.141	22° 41' 52.125" S	76° 40' 33.7" W
672195.185	2511015.874	22° 41' 51.323" S	76° 40' 34.951" W
672208.916	2511006.612	22° 41' 51.017" S	76° 40' 35.428" W
672235.590	2510988.617	22° 41' 50.422" S	76° 40' 36.356" W
672292.891	2510951.360	22° 41' 49.19" S	76° 40' 38.348" W
672310.005	2510940.760	22° 41' 48.839" S	76° 40' 38.944" W
672327.225	2510930.330	22° 41' 48.494" S	76° 40' 39.543" W
672336.249	2510924.958	22° 41' 48.316" S	76° 40' 39.857" W
672397.191	2510890.311	22° 41' 47.167" S	76° 40' 41.978" W
672410.441	2510883.144	22° 41' 46.929" S	76° 40' 42.44" W
672414.899	2510880.754	22° 41' 46.85" S	76° 40' 42.595" W
672480.071	2510845.818	22° 41' 45.69" S	76° 40' 44.864" W
672485.340	2510842.984	22° 41' 45.596" S	76° 40' 45.048" W
672520.112	2510823.756	22° 41' 44.958" S	76° 40' 46.259" W
672528.752	2510818.823	22° 41' 44.795" S	76° 40' 46.559" W

Project Director
NHAI, PIU-Harda (M.P.)



														
			CLIENT NATIONAL HIGHWAYS AUTHORITY OF INDIA (Ministry of Surface Transport) P.O. - National Highway Authority of India, H.NO. 54-55 Akashnagar colony Near LBS Dargah, HARDA - (MP)-461331.		DPR CONSULTANT HOLTEC CONSULTING PRIVATE LIMITED HOLTEC CENTRE, A BLOCK, SUSHANT LOK, SURROUNDING 20001 HARTAMA, INDIA		PROJECT : Four laning of Indore to Harda section of NH-47 (Old NH-59A) under Bharatmala Pariyojna Phase I (Economic Corridor) in the State of Madhya Pradesh on HAM mode – Package II		TITLE: Forest Georeference Map of Pkg-II		DRG. NO.		LEGEND:-	
REV NO.			DATE		DESCRIPTION		Indore - Harda NH - 47		DRAWN M.P.		CHECKED V.P.		APPROVED R.S.	
													Existing Center Line	
													Proposed Center Line	
													Existing Row	
													Proposed Row	

Annexure-3

**UNDERTAKING FOR CONSTRUCTION OF STRUCTURES AS SUGGESTED BY WILDLIFE
INSTITUTE OF INDIA**

This is to certify that I/We "National Highways Authority of India have applied for diversion of 39.367 ha forest land falling under Dewas, Baglijiwani and Panigaon Forest Ranges in Dewas division. We hereby undertake that, appropriate structures (list enclosed as Annexure -3A) has been proposed to facilitate movement and provision of water for wild animals in the forest area in the construction of project highway.

Place - Harda




Project Director
NHAI, PIU-Harda (M.P.)

Annexure-3A

Sl. No.	Chainage	Span Arrangement	Type of Structure
01	30.644	1X2X2.5	Box Culvert
02	55.881	1X4X4.5	Box Culvert
03	56.770	1X4X3.5	Box Culvert
04	57.885	1X2X2.5	Box Culvert
05	59.900	1X3X3	Box Culvert
06	61.040	1X2X2.5	Box Culvert
07	61.480	3X20	Minor Bridge
08	61.695	3X20	Minor Bridge
09	62.383	1X4X4.5	Box Culvert
10	62.930	1X3X3	Box Culvert
11	63.310	1X2X3	Box Culvert
12	74.146	1X20	Minor Bridge
13	74.866	5X30	Major Bridge
14	78.720	1X5X4	Box culvert
15	79.335	1X2X4	Box Culvert
16	79.780	1X2X2.5	Box Culvert
17	80.351	1X3X3	Slab Culvert
18	81.139	1X10	Minor Bridge
19	81.313	1X3X3	Box Culvert
20	81.439	1X25	Minor Bridge
21	81.772	1X4x4.5	Box Culvert

1. Box Culvert – 14
2. Minor Bridge – 05
3. Major Bridge – 01
4. Slab Culvert – 01



[Signature]
Project Director
NHAI, PIU-Harda (M.P.)

Annexure-4

Observation of Regional Office	Reply	
The detail muck dumping plan showing total generation, utilization and required to dump may be ask considering swelling factor for the area.		
	Total muck generated due to cutting (in cum)	Total filling required for embankment in project road (in cum)
	408136	491158
	Since, filling required in embankment of project road is much more than the muck generated in cutting, the generated muck can be utilised for required filling and there will be no need for muck dumping.	




Project Director
 NHAI, PIU-Harda (M.P.)

Ministry of Road Transport and Highways

Guidelines and Standard Operating Procedure (SOP) for implementation of Bharatmala Pariyojana Program

The Cabinet Committee on Economic Affairs has approved the implementation of an umbrella programme for the National Highway Road Sector – “Bharatmala Pariyojana Phase-1”, spanning over a period of 5 years (2017-2022) at an estimated outlay of Rs. 5,35,000 crore, as communicated by the Cabinet Secretariat vide its No. CCEA/26/2017(i) dated 26th October 2017.

1 - OVERVIEW OF THE PROGRAM

1 About the Program:

- 1.1 The objective of the program is to optimize the efficiency of freight and passenger movement across the country by bridging critical infrastructure gaps through **development of Economic Corridors, Inter Corridors and Feeder Routes, National Corridor Efficiency Improvement, Border and International connectivity roads, Coastal and Port connectivity roads and Green-field expressways.**
- 1.2 Identification of the project stretches under the components of the proposed program is based on detailed Origin-Destination (O-D) study, freight flow projections and verification of the identified infrastructure gaps through geo-mapping.
- 1.3 Construction of a total length of about 24,800 kms is being taken up under Phase-I of Bharatmala Pariyojana. In addition, Phase-I would also include about 10,000 kms of residual works of National Highway Development Project (NHDP).

2 Components of the program and fund allocation:

- 2.1 As per the CCEA approval, Phase-I of Bharatmala Pariyojana program is to be implemented over a period of five years i.e. FY 2017-18 to FY -2021-22. The summary of components identified under Phase-I and the approved outlay for the same are as follows:

Sr. No.	Components	Length (in km)	Outlay – (Rs crore)
A.	Bharatmala		
1	Economic corridors development	9,000	1,20,000
2	Inter-corridor & feeder roads	6,000	80,000
3	National Corridors Efficiency improvements:	5,000	100,000
4	Border & International connectivity roads	2,000	25,000
5	Coastal & port connectivity roads	2,000	20,000



Project Director
NHAI, PIU-Harda (M.P.)

List of Economic Corridors with designated Implementation Agency

Sr. No.	Economic Corridor	Alignment	Length (km)	Implementation Agency
1	Mumbai-Kolkata	Mumbai (Thane) - Nashik - Aurangabad - Jalna - Karanja - Amravati - Nagpur - Raipur - Sambalpur - Deogarh - Kharagpur - Kolkata	1,854	NHAI
2	Mumbai-Kanyakumari	Mumbai (Panvel) - Mahad - Chiplun - Panjim - Karwar - Bhatkal - Udupi - Mangalore - Kannur - Kozhikode - Cochin - Alappazuha-Kollam-Thiruvananthapuram-Nagercoil-Kanyakumari	1,619	NHAI
3	Amritsar-Jamnagar	Amritsar - Faridkot - Bhatinda - Abohar - Sri Ganganagar - Bikaner - Nagaur - Jodhpur - Radhanpur - Samkhiyali - Jamnagar	1,316	NHAI
4	Kandla-Sagar	Kandla - Dhrangadhra - Ahmedabad - Godhra - Dahod - Indore - Dewas - Bhopal - Sagar	1,038	NHAI
5	Agra-Mumbai	Agra - Gwalior - Shivpuri - Guna - Biaora - Dewas - Indore - Sendhwa - Dhule - Malegaon - Nashik - Mumbai (Thane)	964	NHAI
6	Pune-Vijayawada	Pune - Solapur - Hyderabad - Vijaywada	906	NHAI
7	Raipur-Dhanbad	Raipur - Bilaspur - Gumla - Ranchi - Bokaro - Dhanbad	707	NHAI
8	Ludhiana - Ajmer	Ludhiana-Sangrur-Hisar-Sadulpur-Ajmer	618	NHAI
9	Surat-Nagpur	Surat - Bardoli - Dhule - Jalgaon - Khamgaon - Akola - Amravati - Nagpur	593	NHAI
10	Hyderabad-Panaji	Hyderabad - Mahbubnagar - Deosugur - Lingsugur - Bagalkot - Belagavi - Panjim	593	NHAI
11	Jaipur-Indore	Jaipur - Tonk - Bundi - Kota - Jhalawar - Ujjain - Indore	574	NHAI
12	Solapur - Nagpur	Solapur-Latur-Nanded-Yavatmal-Wardha-Nagpur	563	NHAI
13	Sagar-Varanasi	Sagar - Damoh - Katni - Rewa - Varanasi	524	NHAI
14	Kharagpur - Siliguri	Kharagpur - Ghatal - Arambagh - Burdwar - Nabadwib - Plassey - Behrampur - Farakka - Malda - Raiganj - Kishanganj - Islampur - Bagdogra	516	NHAI, EAP Wing, MoRTH ¹
15	Raipur - Vishakhapatnam	Raipur-Kurud-Umerkote-Sunabeda-Salur-Vishakhapatnam	506	NHAI
16	Delhi - Lucknow	Delhi-Moradabad-Bareilly-Shahjahanpur-Hardoi-Lucknow	494	NHAI
17	Chennai - Kurnool	Chennai - Puttur - Kadappa - Nandyal - Kurnool	482	NHAI



Project Director
NHAI, PIU-Harda (M.P.)

Ministry of Road Transport and Highways

Sr. No.	Economic Corridor	Alignment	Length (km)	Implementation Agency
18	Indore-Nagpur	Indore - Harda - Betul - Nagpur	464	NHAI
19	Chennai - Madurai	Chennai - Tindivanam - Trichy - Madurai	464	NHAI
20	Mangalore-Raichur	Mangalore - Chitradurga - Bellari - Raichur	461	NHAI
21	Tuticorin - Cochin	Tuticorin - Aruppukottai - Madurai - Usilampatti - Theni - Bodi - Muvattupuzha - Cochin	443	NHAI
22	Solapur - Bellary - Gooty	Solapur - Bijapur - Kushtagi - Hospet - Bellary - Gooty	434	NHAI
23	Hyderabad - Aurangabad	Aurangabad-Jalna-Nanded-Degloor-Sangareddy-Hyderabad	427	NHAI
24	Delhi - Kanpur	Delhi - Ghaziabad - Aligarh - Kannauj - Kanpur	424	NHAI
25	Tharad-Phalodi	Phalodi - Balotra - Tharad	394	NHAI
26	Nagaur - Mandi Dabawli	Nagaur - Sujargarh - Ratangarh - Pallu - Rawatsar - Hanumangarh - Mandi Dabwali	387	NHAI
27	Sagar-Lucknow	Sagar - Banda - Chhatargarh - Mahoba - Kabrai - Hamirpur - Kanpur - Lucknow	361	NHAI
28	Sambalpur-Paradeep	Sambalpur - Angal - Dhenekal - Cuttack - Paradeep	360	NHAI
29	Amreli - Vadodra	Amreli - Bhavnagar - Tarapur - Borsad - Vadodra	341	NHAI
30	Godhra - Khargone	Godhra - Halol - Chote Udepur - Khargone	337	NHAI
31	Sambalpur-Ranchi	Sambalpur - Jharsuguda - Sundargarh - Rourkela - Simdega - Kalebira - Khunti - Ranchi	329	NHAI
32	Bangalore - Mallapuram	Bangalore - Mandya - Mysore - Nilgiri - Mallapuram	323	NHAI
33	Raisen - Pathariya	Raisen - Raisen - Udaipura - Shahpura - Jabalpur - Lakhnadaon - Pathariya	320	NHAI
34	Bangalore-Mangalore	Bangalore - Kunnigal - Hasan - Mangalore	319	NHAI
35	Chittaurgarh - Indore	Chittaurgarh-Pratapgarh-Ratlam-Indore	303	NHAI
36	Bilaspur - New Delhi	Bilaspur - Jagadhri - Yamunanagar - Saharanpur - Roorkee - Muzzafarnagar - Meerut - Ghaziabad - Delhi	302	NHAI
37	Solapur - Mahabubnagar	Solapur-Akkalkot-Kalaburagi-Mahabubnagar	290	NHAI
38	Bangalore - Nellore	Bangalore-Kolar-Chittoor-Tirupati-Naidupeta-Nellore	286	NHAI
39	Ajmer - Udaipur	Ajmer - Beawar - Rajsamand - Udaipur	286	NHAI
40	Sirsa - Delhi	Sirsa - Hissar - Rohtak - Delhi	278	NHAI
41	Sirohi - Beawar	Sirohi - Sumerpur - Pali - Beawar	255	NHAI



[Signature]
Project Director
NHAI, PIU-Harda (M.P.)

UNDERTAKING

I hereby declare that the 0.5% of project cost proportionate to the extent of forest land involved and other mentioned charges as described in Regional Officer observation No-6, will be paid by NHAI in CAMPA account as decided by the concerned department within time frame.

Place - Harda




Project Director
NHAI, PIU-Harda (M.P.)

Annexure-7

Observation of Regional Office	Reply
Road side plantation scheme not submitted.	Road side plantation would be done as per fig. 8 of IRC SP-21:2009 (Figure attached as Annexure-I for ready reference) as per available ROW. A minimum total of 61457 trees would be planted. Details are as per Annexure-7A




Project Director
NHAI, PIU-Harda (M.P.)

Annexure-7A

Total Length of Project road - 63.670 Km

Length of project in forest area – 9.018 Km

Length of structures (Bridges, Grade separators etc.) – 1.944 Km

Length of project road for road side plantation = 63.670-9.018-1.944 = 52.708 Km

Minimum numbers of trees = 52.708 * 583 * 2 = 61457 Trees

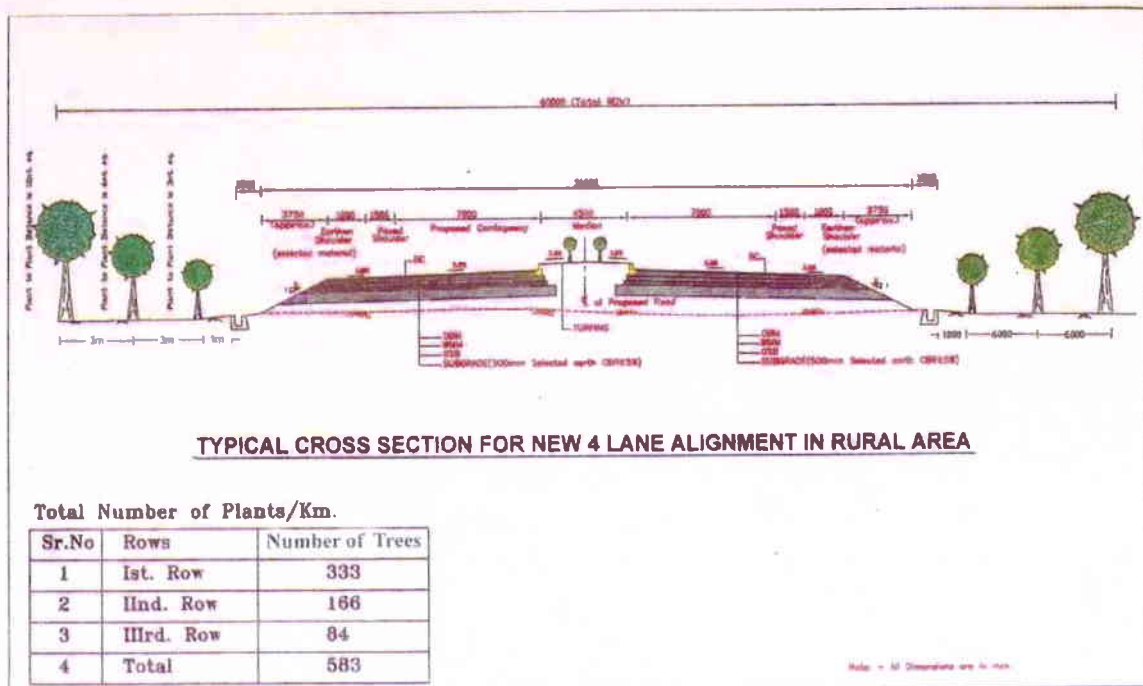


Fig. 8 Typical Cross Section For New 4 Lane Alignment In Rural Area

IRC.SP.21-2009



Project Director
NHAI, PIU-Harda (M.P.)

मध्यप्रदेश पश्चिम क्षेत्र विधुत वितरण कंपनी लिमिटेड

Annexure - 8

(म.प्र.शासन का उपक्रम)

कार्यालय कार्यपालन यंत्री (सं/सं.) संभाग कन्नौद

सतवास रोड, कन्नौद जिला देवास (म.प्र.) - 455332

दुरभाष क्रमांक 07273-222205, 222241

CIN:U40109MP2002SGC015121, Website: www.mprwz.co.in, E-mail ID: eekannodidivision@gmail.com

क्रमांक/काय/कार्य/ 2847

कन्नौद दिनांक 06.03.19

प्रति,

परियोजना निदेशक

भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

14 सम्पत हिल्स सहारा सिटी के सामने

बिचोली मर्दाना इंदौर

विषय :- डिमांड नोट बाबद ।

विषयातर्गत प्राक्लन क्रमांक 190695 एवं 191844 नेशनल हाईवे कन्नौद-नेमावर एवं धनतलाब-कन्नौद जिसकी स्वीकृति मुख्य अभियंता महोदय उज्जैन के द्वारा पत्र से जारी की गयी है के मांग पत्र 2.5 प्रतिशत सुपरविजन चार्ज दर से इस पत्र के साथ संलग्न कर आपकी ओर भेजा जा रहा है ।

संलग्न :- उपरोक्तानुसार ।

01 प्राक्लन क्रमांक 191844 रुपये 2762073/-

02 प्राक्लन क्रमांक 190695 रुपये 3395713/-

कार्यपालन यंत्री (सं./सं.)
म.प्र.प.क्षे.वि.वि.कं.लि.कन्नौद



Project Director
NHAI, PIU-Harda (M.P.)