



मध्यप्रदेश रोड डेवलपमेंट कार्पोरेशन लि.

(म.प्र. राज्य राजमार्ग प्राधिकरण)
(म.प्र. शासन का उपक्रम)

45-ए, अरेरा हिल्स, भोपाल-462011

☎ : (ऑफिस) 0755-2597290/2765205, फैक्स : 0755-2572643, वेबसाइट : mprdc.gov.in

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क्र. 7572 / एमपीआरडीसी / संभाग भोपाल / 2024

भोपाल दिनांक 27.02.2024

प्रति,

वन मण्डल अधिकारी
सामान्य वनमण्डल, रायसेन
जिला-रायसेन (म.प्र.)

विषय:-बैगमगंज-सुल्तानगंज मार्ग निर्माण हेतु 2.060 हेक्टेयर वन भूमि मध्यप्रदेश सड़क विकास निगम,
भोपाल को उपयोग पर देने बावत्।

संदर्भ :-कार्यालय प्रधान मुख्य वन वन संरक्षक (कक्ष भू-प्रबंध), वन भवन, मध्यप्रदेश भोपाल का पत्र

क-एफ-5 / 1295 / 2023 / 10-11 / 1048 भोपाल दिनांक 15.02.2024

(FP/MP/Road/149613/2021)


उपरोक्त विषयांतर्गत कृपया अपर प्रधान मुख्य वन संरक्षक (कक्ष भू-प्रबंध), वन भवन, मध्यप्रदेश भोपाल के कार्यालय से प्राप्त संदर्भित पत्र दिनांक 03.02.2024 का अवलोकन करने का कष्ट करें, जिसके माध्यम से इस कार्यालय द्वारा प्रस्तुत ऑनलाईन प्रकरण में भारत सरकार वन एवं जलवायु परिवर्तन मंत्रालय भोपाल से सैद्धांतिक स्वीकृति प्राप्त की जाने के पूर्व 04 बिन्दुओं पर जानकारी चाही गई हैं।

उक्त संबंध में सैद्धांतिक स्वीकृति जारी करने के पूर्व चाही गई बिन्दुओं पर इस कार्यालय द्वारा अभिमत निम्नानुसार है:-

Sr. No.	QUERY	COMPLAINCE
1	It has been submitted that the muck will be used for embankment but no calculation is provided.	मार्ग निर्माण में 2930 x 10 x 0.08= 2344 cum muck का इस्तेमाल रायसेन जिले ग्राम मोदकपुर के समीप स्थित प्लांट में रिसाईकल कर मार्ग निर्माण में उपयोग किया जावेगा।
2	The component wise break up involved only one component which is widening of road. Does it not included any other components like culverts, bridges etc?	आपके द्वारा चाही गई जानकारी के अनुसार शेडयूल-बी की छायाप्रति संलग्न है।
3	Road side plantation scheme shall be submit	आपके द्वारा चाही गई जानकारी के अनुसार शेडयूल-बी की छायाप्रति संलग्न है।
4	This is not clear whether the existing road is part of the diversion or not, Further, it is also not clear that diversion/de-reservation was given for the construction of the existing road prior 1980 by notification or order. Therefore, this may be included in the area proposed for diversion..	मार्ग का निर्माण दोनों तरफ किया जाना है। यह मार्ग 1980 के पूर्व का बना हुआ है टोपों सीट क-55 I/6 के अनुसार। टोपो सीट संलग्न है।

उपरोक्त संबंध में प्रधान मुख्य वन संरक्षक (भू-प्रबंध) के कार्यालय से प्राप्त पत्र पर, इस कार्यालय का अभिमत सहित संबंधित दस्तावेज इस पत्र के साथ संलग्न प्रेषित है। अतः आपसे अनुरोध है कि उक्त संबंध में अग्रिम कार्यवाही करते हुए, प्रधान कार्यालय को भिजवाने का कष्ट करें, जिससे स्टेट-1 स्वीकृति जल्द से जल्द प्राप्त कर बैंगमगंज-सुल्तानगंज तक मार्ग निर्माण प्रारंभ किया जा सकें।

संलग्न:-उपरोक्तानुसार।


संभागीय प्रबंधक
म.प्र.सड़क विकास निगम
भोपाल

कार्यालय प्रधान मुख्य वन संरक्षक (कक्ष भू-प्रबंध), वन भवन, मध्यप्रदेश, भोपाल
क्रमांक/एफ-5/1295/2023/10-11/1048 भोपाल, दिनांक 15-2-24
प्रति,

संभागीय प्रबंधक,

म.प्र. सड़क विकास निगम लिमिटेड, भोपाल, म.प्र.।

विषय:- रायसेन जिले में बेगमगंज से सुल्तानगंज तक मार्ग निर्माण हेतु 2.060 हेक्टेयर वनभूमि मध्यप्रदेश सड़क विकास निगम, भोपाल को उपयोग पर देने बाबत।
(FP/MP/Road/149613/2021)

संदर्भ:- भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय, भोपाल का पत्र क्रमांक/6-MPB 055/2023-BHO/ दिनांक 12.02.2024 .

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उपरोक्त संदर्भित पत्र का अवलोकन करने का कष्ट करें, त्वरित संदर्भ हेतु छायाप्रति संलग्न है। भारत सरकार, पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, क्षेत्रीय कार्यालय, भोपाल ने विषयांकित प्रकरण की सैद्धांतिक स्वीकृति जारी करने के पूर्व 04 बिन्दुओं पर जानकारी चाही गई है।

अतः भारत सरकार के चाहे अनुसार बिन्दुवार जानकारी आपसे संबंधित तैयार कर वन मण्डल अधिकारी के माध्यम से इस कार्यालय को भिजवायें, ताकि प्रकरण में सैद्धांतिक स्वीकृति प्राप्त करने की कार्यवाही की जा सके।

संलग्न:-उपरोक्तानुसार।


(एच.एस. मोहन्ता)

अपर प्रधान मुख्य वन संरक्षक (भू-प्रबंध)
मध्य प्रदेश, भोपाल

पृ. क्रमांक/एफ-5/1295/2023/10-11/1049
प्रतिलिपि:-

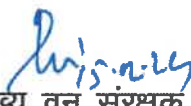
भोपाल, दिनांक 15-2-24

1- वन संरक्षक (क्षेत्रीय), भोपाल वृत्त, भोपाल, मध्यप्रदेश।

2- वन मण्डलाधिकारी, सामान्य वन मण्डल, रायसेन, मध्यप्रदेश।

की ओर भेजकर लेख है कि आपसे संबंधित जानकारी तैयार कर एवं आवेदक से संबंधित जानकारी प्राप्त कर एकजाई जानकारी इस कार्यालय को भिजवायें, ताकि प्रकरण में सैद्धांतिक स्वीकृति प्राप्त करने की कार्यवाही की जा सके।

संलग्न:-उपरोक्तानुसार।


अपर प्रधान मुख्य वन संरक्षक (भू-प्रबंध)
मध्यप्रदेश, भोपाल



भारत सरकार / GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

क्षेत्रीय कार्यालय, भोपाल / REGIONAL OFFICE, BHOPAL

Kendriya Paryavaran Bhavan, Link Road No.3, E-5, Ravi Shankar Nagar,
BHOPAL - 462016 (M.P.)

TEL: 0755-2466525 E-mail: rowz.bpl-mef@nic.in



क्रमांक: 6-एमपीआर 055/2023-बीएचओ/

दिनांक : 12/02/2024.

प्रति,

प्रधान सचिव (वन)
मध्यप्रदेश शासन,
वल्लभ भवन, भोपाल,
(मध्यप्रदेश)।

विषय: रायसेन जिले में बेगमगंज से सुल्तानगंज तक मार्ग निर्माण हेतु 2.060 हेक्टेयर संरक्षित वनभूमि संभागीय प्रबंधक, मध्यप्रदेश सड़क विकास निगम लिमिटेड, भोपाल को उपयोग पर देने बाबत (FP/MP/Road/149613/2021)।

संदर्भ: 1) कार्यालय का पत्र क्रमांक 6-एमपीबी 055/2023-बीएचओ दिनांक 27/11/2023.

2) नोडल अधिकारी, म.प्र. का पत्र क्रमांक एफ-5/1295/2023/10-11/139 दिनांक 05/01/2024.

महोदय,

उपरोक्त विषयक एवं संदर्भित पत्रों के संदर्भ में अधोहस्ताक्षरी को यह सूचित करने का निर्देश हुआ है कि प्रस्ताव से संबंधित अन्य वांछित जानकारियों/स्पष्टीकरण की आवश्यकता है। अतः निम्नलिखित जानकारियों/ दस्तावेज प्रेषित करने का कष्ट करें :-

1. It has been submitted that the muck will be used for embankment but no calculation is provided.
2. The component wise break up involved only one component which is widening of road. Does it not include any other components like culverts, bridges etc.?
3. Road side plantation scheme shall be submit.
4. This is not clear whether the existing road is part of the diversion or not. Further, it is also not clear that diversion/de-reservation was given for the construction of the existing road prior 1980 by notification or order. Therefore, this may be included in the area proposed for diversion.

उपरोक्त जानकारी प्रेषित किये जाने का अनुरोध है जिससे प्रस्ताव में आगामी कार्यवाही की जा सके।


(डॉ. योगेश गैरोला)

तकनीकी अधिकारी (वानिकी)

प्रतिलिपि:

अपर प्रधान मुख्य वन संरक्षक (भू-प्रबंध) एवं नोडल अधिकारी, मध्यप्रदेश शासन, वन भवन, तुलसीनगर, भोपाल।

(b) Details of reconstruction of existing culverts to Box Barrel

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Details of Proposed Structure		
			Type of Structure	No of Span X Width of Spans (m)	Formation Width (m)
NIL					

(c) Details of widening with Strengthening & rehabilitation of PIPE s (Total 34 Nos.):

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Details of Proposed Structure		
			Type of Structure	No of Span X Width of Span (m)	Total Length of Proposed Pipe (m)
1	00+000	00+000	PIPE	1X1.0	
2	00+500	00+500	PIPE CANAL	1X1.0	
3	00+725	00+725	PIPE	2X1.0	
4	00+915	00+915	PIPE	2X1.0	
5	03+100	03+100	PIPE	2X1.0	
6	03+640	03+640	PIPE	1X1.0	
7	06+110	06+110	PIPE	1X1.0	
8	06+380	06+380	PIPE	1X1.0	
9	06+475	06+485	PIPE	1X1.0	
10	06+620	06+620	PIPE	1X1.0	
11	06+700	06+705	PIPE	1X1.0	
12	07+650	07+635	PIPE	1X1.0	
13	08+300	08+280	PIPE	1X1.0	
14	09+050	09+045	PIPE	1X1.0	
15	09+135	09+125	PIPE	1X1.0	
16	09+250	09+240	PIPE	1X1.0	
17	10+400	10+385	PIPE	1X1.0	
18	12+120	12+085	PIPE	2x1.0	
19	12+650	12+615	PIPE	2X1.0	
20	13+015	12+980	PIPE	1X1.0	
21	13+225	13+205	PIPE	1X1.0	
22	13+430	13+410	PIPE	1X0.9	
23	13+580	13+560	PIPE	2X0.9	
24	14+885	14+870	PIPE	3X1.200	
25	16+830	16+815	PIPE	1x0.9	
26	17+335	17+310	PIPE	2x0.9	
27	17+900	17+880	PIPE	1x1.0	
28	20+170	20+150	PIPE	2x0.9	
29	20+340	20+315	PIPE	2X0.9	
30	21+150	21+125	PIPE	2X0.9	
31	22+040	22+020	PIPE	1X0.9	
32	23+020	23+000	PIPE	1x0.9	

2-laning of BEGAMGANJ-SULTANGANJ ROAD (SH-30) from design Ch. 0.000 to Ch. 25.196 In the State of Madhya Pradesh

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33	23+170	25+155	PIPE	1x1.0	
34	25+135	25+110	PIPE	2x1.0	

(d) Details of widening with Strengthening & rehabilitation of SLAB s (Total 02 Nos.):

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Details of Proposed Structure		
			Type of Structure	No of Span X Width of Span (m)	Formation Width (m)
1	05+200	05+205	SLAB	1X3	12.0
2	10+060	10+045	CANAL SLAB	1X5	12.0

(e) Details of widening with Strengthening & rehabilitation (Total 07 Nos.):

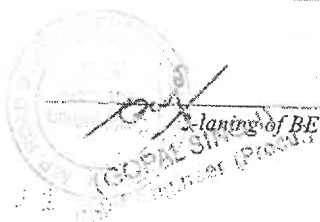
Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Existing Details	
			Type of Structure	No of Span X Width of Span (m)
1	11+440	11+420	PIPE	2x1.0
2	11+685	11+665	PIPE	2x1.0
3	15+830	15+810	PIPE	2x0.9
4	22+615	22+590	PIPE	1x0.9
5	22+840	22+820	PIPE	1x0.9
6	23+830	23+810	PIPE	1x0.9
7	24+120	24+100	PIPE	1x1.0

(f) Details of Widening with Strengthening & rehabilitation of RCC MNB):-

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Details of Proposed Structure		
			Type of Structure	No of Span X Width of Span (m)	Formation Width (m)
Nil					

(a) Details of retaining with Strengthening & rehabilitation of PIPE (Total 01 Nos.):

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Details of Proposed Structure		
			Type of Structure	No of Span X Width of Span (m)	Total Length of Proposed Pipe (m)
1	3+290	3+290	PIPE CANAL	1X1200	14.3



Planing of BEGAMGANJ-SULTANGANJ ROAD (SH-30) from design Ch. 0.000 to Ch. 25.196 In the State of Madhya Pradesh

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Note:- Repair and strengthening of culvert & Structures :

The existing PIPE to be repaired / strengthen/rehabilitated as per manual requirement. Repair shall include but not limited to general cleaning of culvert and area around culvert, restoration of slopes and protective works, removal and relaying of existing bearing coat, repair and replacement of drainage spouts, construction of new crash barrier in place of old railing, providing of new expansion joints and bearing in place of old ones wherever required and repair & rehabilitation of damaged concrete if any etc. to the complete satisfaction of Independent's Engineer. All the repair and rehabilitation works shall be carried out as per standards and manuals.

(b) Details of New Proposed PIPE s -1nos

Sr. No.	Design Ch. (Km)	Details of Proposed Structure		
		Type of Structure	No of Span X Width of Span (m)	Total Length of Proposed Pipe (m)
1	25+196	BARREL	1X3x2	15

(a) Details of New Construction of PIPE on realignment / bypass (Nil)

Sr. No.	Design Ch. (Km)	Details of Proposed Structure		
		Type of Structure	No of Span X Width of Spans (m)	Total Length of Proposed Pipe (m)
Nil.				

(b) In addition PIPE s shall be constructed for junction locations on cross roads as mentioned below (17 Nos.)

Sr. No.	Design Ch. (Km)	Type of Junction	No of Structure	Type of Structure	No of Span X Width of Span (m)	Destination	
						Towards LHS	Towards RHS
1	3+400	T	1	BARREL	1X1.0	HIPPSALI	
2	3+650	Y	1	BARREL	1X1.0	VILLAGE ROAD	
3	3+960	T	1	BARREL	1X1.0	VEERPUR	
4	4+120	T	1	BARREL	1X1.0		SALAIYA
5	5+060	T	1	BARREL	1X1.0		VILLAGE ROAD
6	6+770	Y	1	BARREL	1X1.0		VILLAGE ROAD
7	9+220	T	1	BARREL	1X1.0		PIPALIYA PATHAK
8	9+830	Y	1	BARREL	1X1.0	BIJORA	
9	10+420	T	1	BARREL	1X1.0	JARUA	
10	13+400	T	1	BARREL	1X1.0		MADNI GAON
11	15+300	T	1	BARREL	1X1.0	MARKHEDI	
12	16+760	Y	1	BARREL	1X1.0	BHAINSA	

2-laning of BEGAMGANJ-SULTANGANJ ROAD (SH-30) from design Ch. 0.000 to Ch. 25.196 In the State of Madhya Pradesh
Chief Engineer (Roads)

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Sr. No.	Design Ch. (Km)	Type of Junction	No of Structure	Type of Structure	No of Span X Width of Span (m)	Destination	
						Towards LHS	Towards RHS
13	17+560	Y	1	BARREL	1X1.0		KUND / SUNETI
14	19+700	T	1	BARREL	1X1.0	BANKARI	
15	21+470	T	1	BARREL	1X1.0	TEKANPUR KALAN	
16	22+400	Y	1	BARREL	1X1.0		JASRATHI
17	24+580	Y	1	BARREL	1X1.0	SUNVAHA	

- (c) In addition to that Utilities pipes shall be provided for Agriculture @ 500m c/c and built-up locations @ 250m c/c across the pavement except Forest / Hill Portions along the project highway:-

Providing and laying of reinforced cement concrete pipe duct 300mm across the road (new construction) extending from drain to drain in cuts and toe of slope to toe of slope in fills constructing head walls at both ends providing a minimum full of granular material over top and sides of RCC Pipe as per IRC: 98-1997, bedded on a 0.3 m thick layer of granular material free of Rock pieces outer to Outer distance of pipe at least half the diameter subject to minimum 450 mm in case of double and triple row ducts, joints to be made leak proof invert level of duct to be above higher than ground level to prevent entry of water and duct all as per IRC 98-1997 and as per enclosed Miscellaneous drawings at **Minimum 55 number locations in consultation** with Independent Engineer / Authority.

- 7.1.2 Structures in marine environment : - Nil
- 7.1.3 The railings of all existing bridges shall be replaced by crash barrier as per manual.
- 7.1.4 Repair/replacement of railing / parapets, bearing, expansion joints of the existing bridge shall be undertaken as per manual.
- 7.1.5 Drainage system for bridge decks: An effective drainage system for bridge decks shall be provided as specified in paragraph 7.20 of the manual.
- 7.1.6 **Repair and strengthening of Bridges & Structures :**

The existing bridges and structures to be repaired / strengthen/rehabilitated as per manual requirement. Repair shall include but not limited to general cleaning of bridge and area around bridge, restoration of slopes and protective works, removal and relaying of existing bearing coat, repair and replacement of drainage spouts, construction of new crash barrier in place of old railing, providing of new expansion joints and bearing in place of old ones wherever required and repair & rehabilitation of damaged concrete if any etc. to the complete satisfaction of Independent's Engineer. All the repair and rehabilitation works shall be carried out as per standards and manuals.

7.2 Rail-road bridges: - Nil

New Rail over bridge (R.O.B.) at the following location on the Project Highway shall be constructed.

Sl. No.	Existing Chainage	Design Chainage	Proposed span arrangement (m)	Width (m)	Track	Lane
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(Gopal Singh) 24/11/2019
Chief Engineer (Project)
BEGAMGANJ-SULTANGANJ ROAD (SH-30) from design Ch. 0.000 to Ch. 25.196 In the State of Madhya Pradesh
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- (c) In Forest Country, 2.5m earthen shoulders on either side of carriageway shall be provided as per Fig-2.11 of schedule 'D' in the following locations:-

Sr No	Proposed Ch. (Km)			Reference TCS	Remarks	Land use
	From	To	Length			
1	11+200	11+700	00+500	Fig: 2.11 of schedule 'D'	2.5m earthen shoulders on either side	Forest Country
2	15+850	16+450	00+600	Fig: 2.11 of schedule 'D'		Forest Country
3	19+600	20+030	00+430	Fig: 2.11 of schedule 'D'		Forest Country
4	21+450	21+850	00+400	Fig: 2.11 of schedule 'D'		Forest Country
5	22+250	22+900	00+650	Fig: 2.11 of schedule 'D'		Forest Country
6	24+400	24+750	00+350	Fig: 2.11 of schedule 'D'		Forest Country

Note: Design and specifications of paved shoulders shall conform to the requirements specified in the Manual and specifications as per MoRT&H specification & as per instruction of Independent Engineer. Earthen shoulders shall conform to the requirements specified in the Manual and having **soaked CBR not less than 12%.**

- (d) In Forest Country, 2.5m Paver block on either side of carriageway shall be provided as per fig-2.13 of schedule 'D' in the following locations:-

Sr No	Proposed Ch. (Km)			Reference TCS	Remarks	Land use
	From	To	Length			
1	11+200	11+700	00+500	Fig: 2.13 of schedule 'D'	2.5m Paver block on either side	Forest Country
2	21+450	21+590	00+140	Fig: 2.13 of schedule 'D'		Forest Country
3	22+490	22+900	00+410	Fig: 2.13 of schedule 'D'		Forest Country
4	24+400	24+600	00+200	Fig: 2.13 of schedule 'D'		Forest Country

Note: Design and specifications of paved shoulders shall conform to the requirements specified in the Manual and specifications as per MoRT&H specification & as per instruction of Independent Engineer. Earthen shoulders shall conform to the requirements specified in the Manual and having **soaked CBR not less than 12%**

(GOPAL SINGH)
Chief Engineer (Procu.)

(Signature)

(e) In open country, 2.5m Earthen shoulders on either side of two lane carriageway as per Fig-2.2 of modified of manual in the following locations:-

Sr No	Proposed Ch. (Km)			Reference TCS	Remarks	Land use
	From	To	Length			
1	00+300	06+700	06+400	Fig: 2.2 (modified)	2.5m earthen shoulders on either side	Open Country
2	07+180	10+900	03+720	Fig: 2.2 (modified)		Open Country
3	11+970	14+550	02+580	Fig: 2.2 (modified)		Open Country
4	15+450	15+850	00+400	Fig: 2.2 (modified)		Open Country
5	16+450	19+600	03+150	Fig: 2.2 (modified)		Open Country
6	20+030	21+140	01+110	Fig: 2.2 (modified)		Open Country
7	21+850	22+250	00+400	Fig: 2.2 (modified)		Open Country
8	22+900	23+280	00+380	Fig: 2.2 (modified)		Open Country
9	24+750	25+000	00+250	Fig: 2.2 (modified)		Open Country
Total			18+390			

Note: Design and specifications of paved shoulders shall conform to the requirements specified in the Manual and specifications as per MoRT&H specification. Earthen shoulders shall conform to the requirements specified in the Manual and having soaked CBR not less than 12%.

2.6 Lateral and vertical clearances at underpasses: -

2.6.1 Lateral and vertical clearances at underpasses and provision of guar drains/ crash barriers shall be as per paragraphs 2.11 of the manual.

2.6.1 Vehicular Underpass shall be constructed at following locations:-

Sl. No.	Design Chainage	Location of Intersecting Roads	Proposed span arrangement (m)	Total width (m)	Remark
Nil					

2.7 Lateral and vertical clearances at overpasses:-

2.7.1 Lateral and vertical clearances at overpasses shall be as per paragraph 2.12 of the Manual.

2.7.2 Overpass shall be constructed at following locations:-

Sl. No.	Design Chainage	Location of Intersecting Roads	Proposed span arrangement (m)	Total width (m)	Remark
Nil					

2.8 Service and Slip roads: -

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2.8.1 Service/Slip roads shall be constructed at the locations as indicated below:

Sr. No.	Design Chainage		Length (km)	Width (m)	Side	Remark
	From	To				
Nil						

Note: Slip roads shall be constructed at all VUP/Flyover/Overpass/PUP locations as per section 3 of Schedule "D" in all four quadrants. Length of slip road shall be provided as per site requirement in consultation with the Independent Engineer. At grade junction below VUP/Flyover/Overpass/PUP with slip road in all four quadrants shall be constructed as per the Manual.

2.9 Grade separated structures

2.9.1 Grade separated structures shall be constructed as per paragraph 2.14 of the Manual. The requisite slip roads of 7.5m width in all four quadrant with RE wall at shall be constructed particulars are given below:

At grade junction below Flyover/Grade separate structure with slip road in all four quadrants shall be constructed as per Fig. 3.12 of the Manual.

S No.	Design Chainage	Location of Intersecting Roads	Proposed span arrangement		Total width of the structure	Remark
			Main Span (m)	Viaduct Span (m)		
Nil						

2.10 Cattle and pedestrian underpass /overpass:-

Cattle/ pedestrian underpasses and provision of guardrails/crash barriers shall be as per paragraph 2.11 of the Manual. Underpass shall be constructed at following locations:-

S. No.	Design Chainage (km)	Location	Proposed Span Arrangement (m)	Width of Structure in m	Remark
Nil					

2.11 Typical Cross Sections of the Project Highway:-

Sr No	From (Km)	To (Km)	Length (Km)	Reference TCS	Remarks	Built-up
1	00+000	00+300	0+300	Fig: 2.12 of schedule 'D'	Reconstruction	BEGUMGANJ
2	00+300	06+700	06+400	Fig: 2.2 (modified)	Reconstruction	Open Country
3	06+700	07+180	0+480	Fig: 2.12 of schedule 'D'	Reconstruction	PANDGIR
4	07+180	10+900	03+720	Fig: 2.2 (modified)	Reconstruction	Open Country
5	10+900	11+200	0+300	Fig: 2.12 of schedule 'D'	Reconstruction	TULSIPAR
6	11+200	11+700	00+500	Fig: 2.13 of schedule 'D'	Reconstruction	Forest Country
7	11+700	11+970	00+270	Fig: 2.14 of schedule 'D'	Reconstruction	Open Country
8	11+970	14+550	02+580	Fig: 2.2 (modified)	Reconstruction	Open Country
9	14+550	15+050	0+500	Fig: 2.12 of schedule 'D'	Reconstruction	MODAKPUR
10	15+050	15+450	00+400	Fig: 2.15 of schedule 'D'	Reconstruction	MODAKPUR
11	15+450	15+850	00+400	Fig: 2.2 (modified)	Reconstruction	Open Country
12	15+850	16+450	00+600	Fig: 2.11 of schedule 'D'	Reconstruction	Forest Country
13	16+450	19+600	03+150	Fig: 2.2 (modified)	Reconstruction	Open Country

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Sr No	From (Km)	To (Km)	Length (Km)	Reference TCS	Remarks	Built-up
14	19+600	20+030	00+430	Fig: 2.11 of schedule 'D'	Reconstruction	Forest Country
15	20+030	21+140	01+110	Fig: 2.2 (modified)	Reconstruction	Open Country
16	21+140	21+450	00+310	Fig: 2.14 of schedule 'D'	Reconstruction	Open Country
17	21+450	21+590	00+140	Fig: 2.13 of schedule 'D'	Reconstruction	Forest Country
18	21+590	21+850	00+260	Fig: 2.11 of schedule 'D'	Reconstruction	Forest Country
19	21+850	22+250	00+400	Fig: 2.2 (modified)	Reconstruction	Open Country
20	22+250	22+490	00+240	Fig: 2.11 of schedule 'D'	Reconstruction	Forest Country
21	22+490	22+900	00+410	Fig: 2.13 of schedule 'D'	Reconstruction	Forest Country
22	22+900	23+280	00+380	Fig: 2.2 (modified)	Reconstruction	Open Country
23	23+280	24+400	01+120	Fig: 2.14 of schedule 'D'	Reconstruction	Open Country
24	24+400	24+600	00+200	Fig: 2.13 of schedule 'D'	Reconstruction	Forest Country
25	24+600	24+750	00+150	Fig: 2.11 of schedule 'D'	Reconstruction	Forest Country
26	24+750	25+000	00+250	Fig: 2.2 (modified)	Reconstruction	Open Country
27	25+000	25+196	0+196	Fig: 2.12 of schedule 'D'	Reconstruction	SULTANGANJ
Total			25+196			

3. INTERSECTIONS AND GRADE SEPARATORS

All intersections and grade separators shall be as per Section 3 of the Manual. Existing intersections which are deficient shall be improved to the prescribed standards.

Properly designed intersections shall be provided at the locations and of the types and features given in the tables below:

(a) At-grade intersections

All intersections and grade separators shall be as per Section 3 of the Manual. Existing intersections which are deficient shall be improved to the prescribed standards.

Properly designed intersections shall be provided at the locations and of the types and features given in the tables below:

1. Major Junctions (3 Nos.)

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Type of Junction	Intersection	
				Direction	
				Towards LHS	Towards Right
1	0+000	0+000	T	TO SAGAR	RAISEN
2	20+850	20+800	X	TO KISLONE	AAWARIA
3	25+222	25+196	T	TO JAISINAGAR	SILWANI

2. Minor Junctions (17 Nos.)

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Type of Junction	Direction	
				Towards LHS	Towards RHS

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Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Type of Junction	Direction	
				Towards LHS	Towards RHS
1	3+400	3+400	T	HIPPSALI	
2	3+650	3+650	Y	VILLAGE ROAD	
3	3+950	3+960	T	VEERPUR	
4	4+120	4+120	T		SALAIYA
5	5+060	5+060	T		VILLAGE ROAD
6	6+770	6+770	Y		VILLAGE ROAD
7	9+250	9+220	T		PIPALIYA PATHAK
8	9+850	9+830	Y	BIJORA	
9	10+450	10+420	T	JARUA	
10	13+400	13+400	T		MADNI GAON
11	15+320	15+300	T	MARKHEDI	
12	16+800	16+760	Y	BHAINSA	
13	17+580	17+560	Y		KUND / SUNETI
14	19+750	19+700	T	BANKARI	
15	21+500	21+470	T	TEKANPUR KALAN	
16	22+450	22+400	Y		JASRATHI
17	24+600	24+580	Y	SUNVAHA	

Note:

It is clarified that if any other deficient junctions with cross BT roads in addition to above list are identified during construction, such junctions shall be improved as per standard set forth in schedule 'D'

4. ROAD EMBANKMENT AND CUT SECTION

- 4.1 Reconstruction and widened of the existing road embankment/cuttings and construction of new road embankment/ cuttings shall conform to the Specifications and Standards given in section 4 of the Manual and the specified cross sectional details. Deficiencies in the plan and profile of the existing road shall be corrected.
- 4.2 **Raising of the existing road:-**The raising of road shall be done in entire length of project road except in built – up section.

5. PAVEMENT DESIGN

- 5.1 Pavement design shall be carried out in accordance with Section 5 of the Manual.

5.2 Design requirements**5.2.1 Design Period and strategy**

- Flexible pavement shall be constructed for widening/ strengthening / reconstruction of the existing road. Flexible pavement shall be designed for a minimum design period of 15 years. Minimum C.B.R. of sub-grade shall be 7%.
- Rigid pavement shall be constructed for widening/ reconstructed of the existing road pavement and it's shall be designed for a minimum design period of 30 years. Minimum C.B.R. of sub-grade shall be 8%.

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5.2.2 Design Traffic

Notwithstanding anything to the contrary contained in this Agreement or the Manual, the Contractor shall design the pavement for minimum design traffic of 10 MSA or as per the actual traffic whichever is higher. Minimum pavement composition to be adopted for reconstruction/ widening/strengthening of main carriageway and service road as below:-

1. Main Carriageway:-

1. Flexible:-

SI. No.	Description	Minimum Crust Composition of Flexible (mm)
1	BC	40
2	DBM	60
3	WMM	250
4	GSB	230
5	Sub Grade	500
	Total	1080

2. Rigid Pavement:-

SI. No.	Description	Minimum Crust Composition of Rigid Pavement (mm)
1	PQC	280
2	DLC	150
3	GSB	150
4	Subgrade	500
	Total	1080

3. Paver Block:-

SI. No.	Description	Minimum Crust Composition of Paver Block (mm)
1	Paved Blocks	150
2	Stone Dust	50
3	WMM	230
4	GSB	150
5	Sub grade	500
	Total	1080

2. Service/Slip Road: - Nil.

5.2.3 Type of pavement :-

Flexible Pavement: - Flexible Pavement shall be reconstructed for open country length of the project highway (20.090 Km).

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Flexible Pavement: - Flexible Pavement shall be reconstructed for Forest country length of the project highway (2.930 Km).

Rigid Pavement: - Rigid Pavement shall be reconstructed for built up area length of the project highway (2+176 Km).

5.3 Reconstruction of existing road.

The following stretches of the existing road shall be reconstructed by dismantling the existing carriageway upto sub-grade level and laying fresh pavement starting from sub-grade level. These shall be designed as new pavement.

5.4 widening of existing road:-NIL

5.4.1 Reconstruction in Built up area: -NIL

5.4.2 Reconstruction in Built up area: -

The existing flexible pavement road reconstruction to two lane with paved shoulder (2.5m paved shoulders + 1.5m paver block flooring + PCC V-shaped drain on either side of carriageway) with provision of all proposed crusts of rigid pavements in 2.176 km length in built-ups area as per Fig-2.12 of schedule 'D'.

5.4.3 Reconstruction in open country:-

The existing flexible carriageway shall be reconstruction to two lane flexible pavement with earthen shoulders (7.0m carriageway + 1.5m earthen shoulders on either side) in open country flexible pavements in flexible 20.090 km length in open area as per Fig-2.2 of modified & Fig-2.14 of modified.

5.4.4 Reconstruction in Forest country:-

The existing flexible carriageway shall be reconstruction to two lane flexible pavement with earthen shoulders (7.0m carriageway + 1.5m earthen shoulders on either side) in open country flexible pavements in flexible 2.930 km length in forest area as per Fig-2.11 of modified & Fig-2.13 of modified.

5.5 New construction of Bypasses and realignments :-

5.4.1 Realignments for geometric improvement:-

S. No.	Existing Chainage (km)		Design Chainage (km)		Length (km)	Remarks
	From	To	From	To		
					Nil.	

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5.4.2 Bypasses (New alignment):-

S. No.	Name of Bypass	Design Chainage		Length (Km)
		From	To	
		Nil		

5.4.3 Geometric improvements:- Geometric improvements shall be done on location as specified Para 2.3 are part of reconstruction stretches as mentioned in clause 5.4.

6. ROADSIDE DRAINAGE

Drainage system including surface and subsurface drains for the Project Road shall be provided as per Section 6 of the Manual.

V shaped PCC drain (M-20) (with Minimum 0.600m width & min 0.225m height) shall be provided in both side of road in Built-up areas/ required locations in the following locations :-

Sr. No.	Design Chainage		Length(m)	Side	Total Length (Km)	Reference TCS	Name of Village
	Km	Km					
1	0+000	0+300	0+300	Both	0+600	Fig-2.12 of schedule 'D'	BEGUMGANJ
2	6+700	7+180	0+480	Both	0+960	Fig-2.12 of schedule 'D'	PANDGIR
3	10+900	11+200	0+300	Both	0+600	Fig-2.12 of schedule 'D'	TULSIPAR
4	14+550	15+450	0+900	Both	1+800	Fig-2.12 of schedule 'D'	MODAKPUR
5	25+000	25+196	0+196	Both	0+392	Fig-2.12 of schedule 'D'	SULTANGANJ
Total Length(Km)			2+176	Total Length(Km)	4+352		

PCC Drains in Hill Portion (M-20) (with Minimum 0.800 m width & min 2.740 m height) shall be provided in both side of road in Forest areas/ required locations in the following locations :-

Sr. No.	Design Chainage		Length(m)	Side	Total Length (Km)	Reference TCS	Land Use
	Km	Km					
1	11+200	11+700	00+500	Both	1+000	Fig: 2.13 of schedule 'D'	Forest Country
2	21+450	21+590	00+140	Both	0+280	Fig: 2.13 of schedule 'D'	Forest Country
3	22+490	22+900	00+410	Both	0+820	Fig: 2.13 of schedule 'D'	Forest Country
4	24+400	24+600	00+200	Both	0+400	Fig: 2.13 of schedule 'D'	Forest Country
Total Length(Km)			1+250	Total Length(Km)	2+500		

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PCC Drains in Hill Portion (M-20) (with Minimum 0.800 m width & min 2.740 m height) shall be provided in both side of road in Open areas/ required locations in the following locations :-

Sr. No.	Design Chainage		Length(m)	Side	Total Length (Km)	Reference TCS	Land use
	Km	Km					
1	11+700	11+970	00+270	Both	0+540	Fig: 2.14 of schedule 'D'	Open Country
2	21+140	21+450	00+310	Both	0+620	Fig: 2.14 of schedule 'D'	Open Country
3	23+280	24+400	01+120	Both	2+240	Fig: 2.14 of schedule 'D'	Open Country
Total Length(Km)			1+700	Total Length(Km)	3+400		

Note: All roadside drainage shall be provided as per Section-6 of Manual. However the Contractor shall provide minimum length of roadside drainage as mentioned above.

7. DESIGN OF STRUCTURES

7.1 General

7.1.1 All bridges, culverts and structures shall be designed and constructed in accordance with section 7 of the Manual and shall conform to the cross-sectional features and other details specified therein.

A) Major Bridges- Nil

Details of retaining with Strengthening & rehabilitation of Major Bridges :-

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Details of Proposed Structure		Formation Width (m)
			Type of Structure	No of Span X Width of Span (m)	
NIL					

B) Minor Bridges-

a) Reconstruction of Existing Culverts/Causeways to Minor Bridges -04 Nos

Sr. No.	Existing Chainage	Design Chainage	Type Of Structures (Pipe, Slab, Box, Arch)	Span Arrangement And Total Vent Way (No. X Length) (M)	Type Of Structures	Span Arrangement	Formation Width (m)
1	1+800	1+800	MNB	3X14	MNB	4X15	12.00
2	4+010	4+010	MNB	2X4.50	MNB	1X10	12.00

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Sr. No.	Existing Chainage	Design Chainage	Type Of Structures (Pipe, Slab, Box, Arch)	Span Arrangement And Total Vent Way (No. X Length) (M)	Type Of Structures	Span Arrangement	Formation Width (m)
3	7+520	7+510	MNB	1X9.5+2X11	MNB	4X10	12.00
4	18+215	18+195	PIPE	4x1200	MNB	1X10	12.00

b) New Proposed of Minor Bridges (Nil)

Sr. No.	Design Ch. (Km)	Details of Proposed Structure		
		Type	No of Span X Width of Spans (m)	Total Width (m)
Nil				

c) New construction of Minor Bridge due to realignment / Bypass (Nil)

Sr. No.	Br. No/ Existing Ch. (Km)	Design Ch. (Km)	No of Span X Width of Spans (m)	Total Width (m)
Nil				

C) Culverts:- (48 Nos.)

(a) Details of reconstruction of existing culverts to PIPE s (02 Nos.):-

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Existing Details		Details of Proposed Structure		
			Type of Structure	No of Span X Width of Spans (m)	Type of Structure	No of Span X Width of Spans (m)	Formation Width (m)
1	09+870	09+860	PIPE	1X0.9	PIPE	1X1.2	
2	11+100	11+090	PIPE	1X1.0	PIPE	1X1.2	

(b) Details of reconstruction of existing F.C.W to PIPE:-

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Existing Details		Details of Proposed Structure		
			Type of Structure	No of Span X Width of Spans (m)	Type of Structure	No of Span X Width of Spans (m)	Total Length of Proposed Pipe (m)
NIL							

(a) Details of reconstruction of existing culverts to RCC Slab Culverts (Total 02 Nos.):-

Sr. No.	Existing Ch. (Km)	Design Ch. (Km)	Existing Details		Details of Proposed Structure		
			Type of Structure	No of Span X Width of Spans (m)	Type of Structure	No of Span X Width of Spans (m)	Formation Width (m)
1	15+500	15+490	PIPE (SKEW)	4x1.2	SLAB	1x5	12.0
2	22+100	22+070	PIPE	4x1.0	SLAB	1x6	12.0

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(Gopal Singh)
Chief Engineer (Produce)



M.P. Road Development Corporation Ltd.

(M.P. State Highway Authority)

(Govt. of M.P. Undertaking)

45-A, Arera Hills, Bhopal-462011

☎ : 0755-2597290 / 2765205 Fax : 0755-2572643, Website : mprdc.gov.in

CIN : U45203MP2004SGC016758

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Azadi Ka
Amrit Mahotsav

No. 15603.../MPRDC/Procu/PPPMRSP/3 Pkgs/563/2022

Date 22.12.2022

To,

M/s Shreeji Haidergarh Begamganj Road Project Private Limited
1180, University Road, South Civil Line,
Pachpedhi, Jabalpur (M.P.) -482001
Email Id: shreejiinfrajb@gmail.com

Sub: Agreement for Development of Haidergarh - Begumganj and Begumganj - Sultanganj Road to two lane in the length of 45.386 km. in the State of Madhya Pradesh on Hybrid Annuity Mode – Package No. – 24 (Tender ID : 2022_ADBRD_204311_1).

Ref: Letter of Award No. 14353/MPRDC/Procu/PPPMRSP/3 Pkgs/563/2022, dated 28.11.2022

In reference to above, the concession agreement has been executed with **M/s Shreeji Haidergarh Begamganj Road Project Private Limited (Concessionaire)** on 22.12.2022. The details are as follows:

- | | |
|---------------------|--|
| 1. Agreement No. | : 788./2022 |
| 2. Bid Project Cost | : INR 119,16,00,000/- (INR One Hundred Nineteen Crore Sixteen Lakh Only) |

You are requested to make further correspondence with Chief Engineer (ADB-VI).

(Signature)
22/12/2022
o/c (Gopal Singh)

Chief Engineer (Procu.)

Tel: 0755-2597216

Email Id: procu-mprdc@mp.gov.in

Endt. No. 15604.../MPRDC/Procu/PPPMRSP/3 Pkgs/563/2022

Date 22.12.2022

Copy to:

1. Principal Secretary, Government of Madhya Pradesh Public Works Department, Mantralaya, Bhopal: For information, please.
2. The Director, Institutional Finance, Finance Department, Government of Madhya Pradesh, Vindhyachal Bhavan, Bhopal.

direction/ valley side of ghat/ outer edge of sharp curves as per the Fig: 9.11 of the manual.

- 9.6 **Reflective Pavement Markers (Road Studs):** Minimum 304 Nos of road studs (100mm x 100mm x 10mm) with reflective panels of dual prismatic cube capable of providing total reflection of light entering the lens face for lane marking and delineation for night time visibility for the entire Project Highway shall be provided as per table 9.1 of the manual.
- 9.7 **Road delineators:** Minimum 456 Nos. of Road delineators shall be provided as per clause 9.4 of Manual.
- 9.8 **Pedestrian Facilities:** The additional pedestrians' facilities in the form of guard rails, footpath, pedestrian crossings etc. shall be provided as per clause 9.8 of the manual.
- 9.9 **Boundary Pillar:** Minimum 251 Nos. of boundary pillars (Reinforced cement concrete M15 grade) of standard design as per IRC:25-1967, fixed in position including finishing and lettering but excluding painting)

10. COMPULSORY AFFORESTATION

Compulsory afforestation shall be done with minimum ~~1000~~ trees along the right of way or at place identified by the Independent Engineer/ Authority or as per IRC: SP-21-2009. The Concessionaire shall plant new Shisham, Peepal, Bargad, Imli, Kabeet, Jacaranda, Palash, Kadam, Amaltas, Mahua, Mango, Gulmohar, Karaj, Jamun of average height 3.0m & average girth 0.125m. The Concessionaire shall also be responsible for maintenance, safety (fencing, tree guard, watch & ward etc.), replacement & survival of planted trees during the concession period.

10A Utilities Shifting

Shifting of obstructing existing utilities indicated in Schedule A to an appropriate location in accordance with the standards and specifications of concerned Utility Owning Department is part of the scope of work of the Contractor/Concessionaire*. The bidders may visit the site and assess the quantum of shifting of utilities for the project before submission of their bid. All other items required to carry out utility shifting work will be considered as incidental to the work and it is deemed that the cost of such items have been included in submitted price bid by the Concessionaire. Copy of utility relocation plan is enclosed with Schedule- A. The specifications of concerned Utility Owning Department shall be applicable and followed.

Note 1: -

- A. The type/spacing/size/specifications of poles/towers/lines/cables/ pipes etc. to be used in shifting work shall be as per the guidelines of Utility Owning Department and it is to be agreed solely between the Concessionaire and the Utility Owning Department. No change of scope shall be admissible and no cost shall be paid for using different type/spacing/ size/specifications in shifted work in comparison to those in the existing work or for making any overhead crossings to underground as per requirement of Utility Owning Department and/or construction of project highway. The Concessionaire shall carry out joint inspection with Utility Owning Department and get the estimates from Utility Owning Department. The assistance of the Authority is limited to giving forwarding letter on the proposal of Concessionaire to Utility Owning Department whenever asked by the Concessionaire. The decision/approval of Utility owning Department shall be binding on the Concessionaire.

2-lanes of BGSAMGANJ-SULTANGANJ ROAD (SH-30) from design Ch. 0.000 to Ch. 25.196 In the State of Madhya Pradesh

B-21

205

DIST: SAGAR
BLOCK: RAHATGARH
RAHATGARH

RAHATGARH

INDIA
REFER TO THIS MAP AS: 1:50,000
SHEET 55 1/6 FIRST EDITION

FIRST EDITION

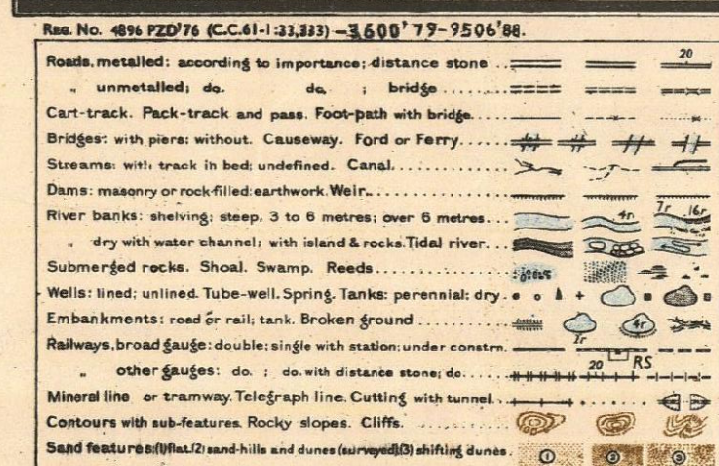
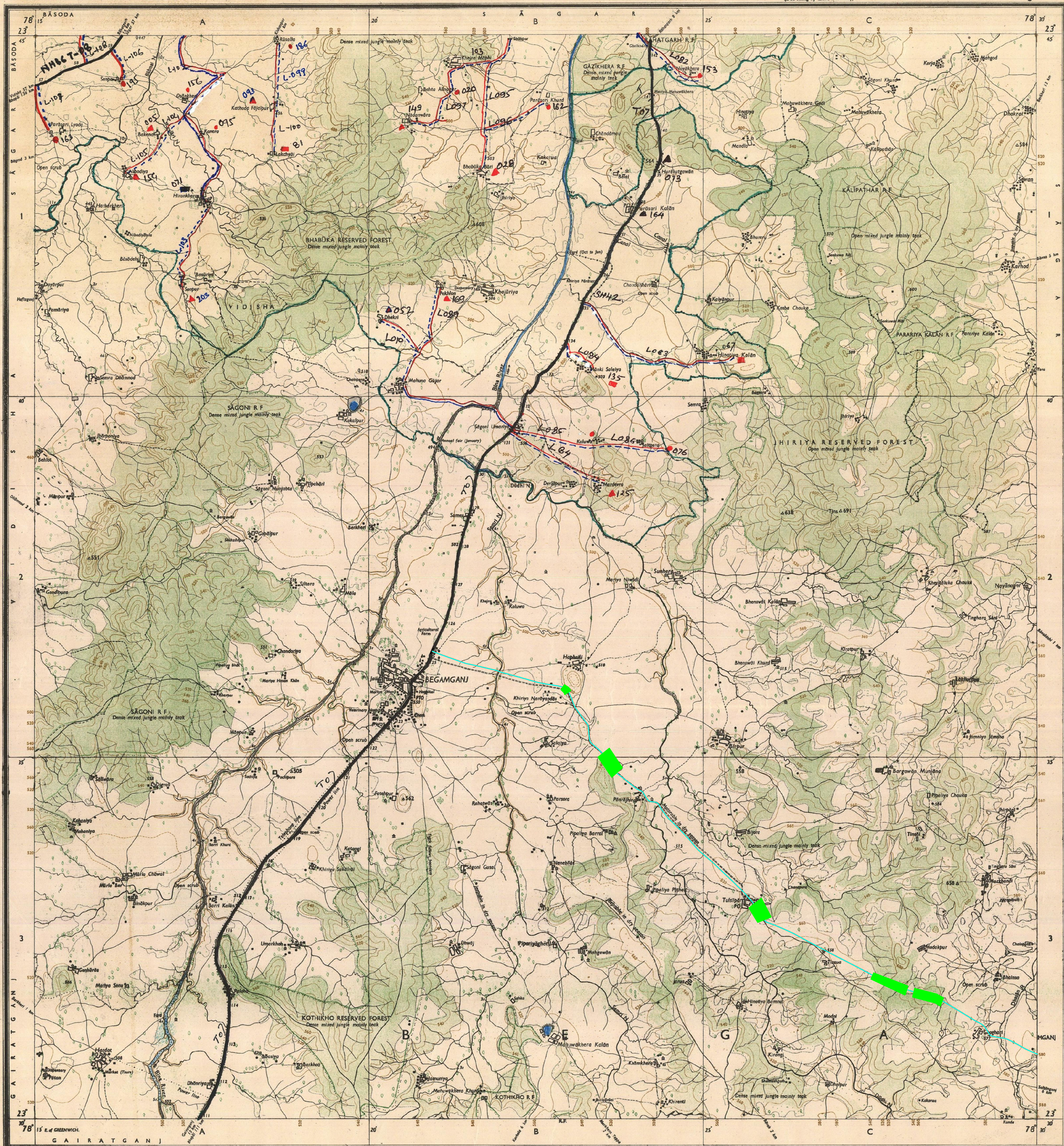
MADHYA PRADESH

Magnetic Variation from True North about $\frac{1}{2}^{\circ}$ West in 1970.
(Decreasing by about $1'$ annually)

No. 55 $\frac{1}{6}$

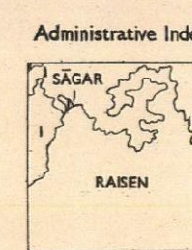
RAISEN, SAGAR & VIDISHA DISTRICTS.

Surveyed 1970-71.



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55 1/2	55 1/5	55 1/9
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Points of Interest

Towns or Villages inhabited	...
Temples, Churches, Mosques, etc.	...
Lighthouses, Lightships, etc.	...
Min. Vins, etc.	...
Palms, palms, etc.	...
Boundary, international	...
State, demarcated, undemarcated	...
Boundary pillars, surveyed, uncoloured, village, trilateral	...
Height, triangulated, station point, approximate	...
Bench mark, Geodetic, tertiary, etc.	...
Post office, Telegraph office, Combined office, Police station	...
Buildings, other than houses, etc.	...
Circuit house, Camping ground, Forest, reserved, protected	...
Spaced names, administrative, locality or tribal	...

PIW. SAGAR

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INDIA