

SCHEDULE-A

Construction of VUPs and widening of MNBs structure including widening of Culverts and other works in Borkhedi-Wadner-Kelapur Project from km 36+600 to 175+000 section on NH-44(old NH-7) in the State of Maharashtra.

**Annexure-I
(Schedule-A)
THE SITE**

1. THE SITE

The start point of the Project stretch is near Borkhedi village at existing km 36+600 and end point is at existing km 175+000(existing km stone of km 175+000 is fixed at km 174+750) before the approach of major bridge on Penganga River at Maharashtra / Telangana border.

The existing project stretch is 4-lane with paved shoulder and divided carriageway configuration in the State of Maharashtra. The length of the project stretch as per km stone is 138.400 km and actual length at site is 138.150 km. For avoidance of doubt, Contractor shall fulfil its obligation of the Operation and Maintenance etc. for the execution of works as mentioned in Schedule-B, without attracting any liability, whatsoever, towards the Authority.

The project road can be divided into two homogenous sections based on the traffic characteristics as given below:

Sr no	Homogeneous Section	Existing Km	
		From	To
1	Section 1 Borkhedi to Wadki/ Bori	36+600	113+000
2	Section 2 Wadki/ Bori to MH/ TS Border	113+000	175+000*

*The existing km stone of km 175+000 is fixed at km 174+750.



Figure 1: Index Map of Project Highway

The Project Features mentioned in Schedule A are tentative in nature. Existing features of the site will be clearly brought out during the Handing over of the Project site to the EPC Contractor in accordance with Article 8.2 of the Contract Agreement

The land, carriageway and structures comprising the site are broadly described below based on the existing km stones fixed at site. However, the Contractor has to mandatorily visit the site and verify the land, carriageway, structures, junctions etc. and all other inventories provided in Schedule-A. The Contractor shall visit the Site and assess the durability and strength of Project Assets and make his own assessment for construction, and maintenance as per Specifications and Standards and bear and pay all costs, expenses and charges in connection with or incidental to the performance of Construction, management and maintenance.

LHS AND RHS

All details of Project Highway are provided in this Schedule with respect to LHS and RHS. Description of LHS and RHS are given below.

Direction	Existing km		Remarks
	From	To	
Left Hand Side (LHS)	36+600	175+000	From Borkhedi to Maharashtra/Telangana Border
Right Hand Side (RHS)	175+000	36+600	From Maharashtra/Telangana Border to Borkhedi

2. BUILT UP SETTLEMENTS ALONG THE PROJECT HIGHWAY

The details of settlements along the Project Highway are given below:-

S. No.	Existing km		Length (m)		Name of Built-up Section
	From	To	LHS	RHS	
1	42+400	42+880	-	480	Sonegaon Lodhi
2	46+460	46+745	315	-	Barbadi
3	49+940	50+400	-	460	Kankati
	50+000	50+240	240	-	
4	59+250	59+575	325	325	Shedgaon Pati
5	62+300	63+700	1400	1400	Jamb
6	70+700	78+700	8000	8000	Hinganghat
7	82+400	83+200	800	-	Sonegaon
8	84+850	85+400	650	-	Kutki
9	86+450	87+000	-	550	Ghatsavli
10	89+550	90+650	-	1100	Daroda
11	94+000	95+600	1600	1600	Wadner
12	99+550	100+000	472	472	Pipri
13	105+000	105+550	-	550	Pohana
14	112+450	113+850	1367	1367	Wadki
15	115+300	115+800	-	500	Bori
16	130+000	130+300	300	-	Adani
17	133+000	133+700	700	700	Karanji
18	139+900	140+250	350	-	Sakhara
19	143+600	143+850	-	250	Konghara
20	147+100	149+320	2220	2220	Pandharkawada
21	153+000	153+520	300	300	Kelapur
22	157+625	157+825	-	200	Marath Wakdi
23	158+900	159+100	200	-	Ballarpur
24	169+150	169+650	500	500	Bori
25	174+650	175+000	350	350	Pimpalkhuti
Total Length (m)			20089	21324	-

3. RIGHT OF WAY

Existing Right of Way (ROW) available on the Project Highway is given below.

S. No.	Existing km		Total (m)
	From	To	
1	36+600	47+400	45
2	47+400	58+400	45 to 60
3	58+400	63+800	45
4	63+800	72+060	60
5	72+060	72+700	41
6	72+700	74+010	43.5
7	74+010	74+930	48.5
8	74+930	75+950	43.5
9	75+950	77+100	60
10	77+100	77+910	43.5
11	77+910	93+750	60
12	93+750	93+950	62.23
13	93+950	94+345	55.5
14	94+345	95+350	69.1
15	95+350	95+945	68
16	95+945	97+250	65.4
17	97+250	98+960	61.79
18	98+960	99+970	61.34
19	99+970	100+650	63.98
20	100+650	102+145	59.3
21	102+145	102+845	58
22	102+845	103+940	63.48
23	103+940	105+000	60.12
24	105+000	105+495	60.8
25	105+495	106+050	63.9
26	106+050	106+770	61.25
27	106+770	107+910	61.54
28	107+910	108+950	61.14
29	108+950	110+650	60.1
30	110+650	111+350	59.09
31	111+350	112+440	63.68
32	112+440	113+100	56.12
33	113+100	115+100	66.7
34	115+100	116+000	61.39
35	116+000	116+985	55.64
36	116+985	118+750	63.3
37	118+750	119+560	70.7
38	119+560	123+000	61.44
39	123+000	124+000	55
40	124+000	127+340	35
41	127+340	127+640	45
42	127+640	128+700	35
43	128+700	129+200	55
44	129+200	130+000	45
45	130+000	130+400	55
46	130+400	131+000	45
47	131+000	132+000	35
48	132+000	134+000	45
49	134+000	136+000	40
50	136+000	137+000	55

51	137+000	138+100	60
52	138+100	139+000	45
53	139+000	140+300	55
54	140+300	141+000	45
55	141+000	142+000	60
56	142+000	144+280	50
57	144+280	145+255	45
58	145+255	147+000	40
59	147+000	151+000	50
60	151+000	152+000	35
61	152+000	153+000	45
62	153+000	153+155	54
63	153+155	153+650	57.92
64	153+650	154+795	44.36
65	154+795	155+010	72.56
66	155+010	155+605	46.41
67	155+605	155+805	60.51
68	155+805	156+400	57.69
69	156+400	157+007	61.81
70	157+007	157+407	59.75
71	157+407	157+620	56.48
72	157+620	158+280	58.87
73	158+280	159+005	59.12
74	159+005	159+400	60.39
75	159+400	159+810	56.84
76	159+810	160+810	66.45
77	160+810	161+200	64.41
78	161+200	162+205	41.16
79	162+205	163+790	59.07
80	163+790	163+990	56.52
81	164+000	164+200	38
82	164+200	164+850	50
83	164+850	165+800	52
84	165+800	175+000	60

4. CARRIAGEWAY / PAVED WIDTH

The configuration of project highway is 4-lane divided carriageway having 7m wide carriageway, 0.25m kerb shyness and 1.5m paved shoulder on either side of median except at structures and approaches of grade separated structures. The carriageway width varies at locations of merging and diverging with junctions, median openings, at approaches to structures and for deck width and carriageway width of structures, tables for structures should be referred. The existing width of earthen shoulder varies from

0.75m to 1.0m at locations along the project road except at structure & their approaches. Details of approximate existing paved width are provided below.

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
Left Hand Side				
1	36+600	36+620	20	9.4
2	36+620	36+780	160	8.9
3	36+780	37+200	420	8.9
4	37+200	37+830	630	8.7
5	37+830	37+850	20	8.9
6	37+850	38+030	180	9.1
7	38+030	38+070	40	8.8 to 9.3
8	38+070	39+210	1140	8.8
9	39+210	39+305	95	Varies 8.8 to 12.6
10	39+305	39+325	20	12.6
11	39+325	40+076	751	8.9
12	40+076	40+096	20	11
13	40+096	41+736	1640	9.1
14	41+736	41+756	20	10.4
15	41+756	42+440	684	9.1
16	42+440	42+555	115	Varies 10 to 13.9
17	42+555	42+575	20	9.8
18	42+575	42+695	120	Varies 8.7 to 12
19	42+695	42+720	25	12.8
20	42+720	42+945	225	Varies 8.6 to 12.4
21	42+945	44+250	1305	9
22	44+250	44+360	110	11.2
23	44+360	44+380	20	11.2
24	44+380	44+700	320	8.9
25	44+700	44+825	125	8.9
26	44+825	44+855	30	10.4
27	44+855	45+000	145	Varies 8.9 to 12.7
28	45+000	46+460	1460	9
29	46+460	46+480	20	11.1

30	46+480	46+600	120	Varies 8.9 to 12.7
31	46+600	49+060	2460	8.9
32	49+060	49+150	90	Varies 8.9 to 11.7
33	49+150	49+185	35	11.1
34	49+185	49+270	85	Varies 9.2 to 12
35	49+270	50+090	820	9.2
36	50+090	50+190	100	Varies 9.5 to 12.8
37	50+190	50+210	20	12.1
38	50+210	50+465	255	8.7 to 12.8
39	50+465	50+485	20	10.8
40	50+485	50+735	250	8.9
41	50+735	50+830	95	Varies 9.9 to 11.8
42	50+830	50+850	20	11
43	50+850	51+410	560	9
44	51+410	51+585	175	Varies 8.7 to 12.9
45	51+585	51+605	20	10.9
46	51+605	53+225	1620	9
47	53+225	53+340	115	8.9
48	53+340	53+360	20	10.9
49	53+360	53+460	100	8.5
50	53+460	55+410	1950	9.1
51	55+410	55+500	90	Varies 8.9 to 11.5
52	55+500	55+520	20	11.2
53	55+520	57+290	1770	9.2
54	57+290	57+320	30	9.8
55	57+320	58+000	680	9.1
56	58+000	58+090	90	8.8
57	58+090	58+110	20	13.3
58	58+110	58+200	90	9.1
59	58+200	58+880	680	9.2
60	58+880	59+300	420	9

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & slyness (m)
	From	To		
61	59+300	59+440	140	Varies 10.6 to 17.4
62	59+440	59+470	30	11
63	59+470	59+600	130	Varies 11.8 to 17.7
64	59+600	59+800	200	11.6
65	59+800	60+300	500	8.8
66	60+300	60+790	490	8.8
67	60+790	60+810	20	10
68	60+810	60+885	75	8.6
69	60+885	61+740	855	8.8
70	61+740	62+450	710	8.7
71	62+450	62+470	20	9.9
72	62+470	62+940	470	9.5
73	62+940	63+010	70	11
74	63+010	63+435	425	9.6
75	63+435	63+470	35	10.3
76	63+470	63+600	130	9.5
77	63+600	64+000*	400	9.1
78	64+000*	64+225	225	9.1
79	64+225	64+340	115	Varies 9.6 to 12.5
80	64+340	64+370	30	11
81	64+370	64+490	120	8.9
82	64+490	66+700	2210	8.8
83	66+700	67+630	930	10.7
84	67+630	67+730	100	Varies 8.9 to 12.6
85	67+730	67+880	150	8.9
86	67+880	68+200	320	8.7
87	68+200	68+700	500	8.9
88	68+700	68+835	135	Varies 9.2 to 12.5
89	68+835	68+865	30	11.3
90	68+865	69+000	135	8.9
91	69+000		1460	8.8

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
92	70+460	70+585	125	Varies 8.9 to 12.4
93	70+585	70+615	30	11.2
94	70+615	70+740	125	Varies 8.6 to 12
95	70+740	71+340	600	8.9
96	71+340	71+455	115	Varies 8.9 to 12.6
97	71+455	72+530	1075	8.7
98	72+530	72+660	130	Varies 8.6 to 12.2
99	72+660	72+690	30	10.7
100	72+690	72+800	110	8.7
101	72+800	73+975	1175	8.8
102	73+975	74+950	975	10.8
103	74+950	75+085	135	Varies 10.6 to 12.5
104	75+085	75+120	35	10.9
105	75+120	75+245	125	9
106	75+245	75+525	280	8.9
107	75+525	75+655	130	Varies 8.8 to 12.4
108	75+655	75+685	30	11.2
109	75+685	75+815	130	8.8
110	75+815	75+910	95	9
111	75+910	77+050	1140	11
112	77+050	77+550	500	13
113	77+550	78+105	555	13
114	78+105	78+400	295	13
115	78+400	79+115	715	8.8
116	79+115	79+135	20	12.4
117	79+135	79+385	250	8.6
118	79+385	79+630	245	8.8
119	79+630	80+125	495	Varies 8.8 to 15
120	80+125	80+210	85	7.7
121	80+210	80+235	25	Varies 7.7 to 8.7
122	80+235	80+920	685	8.7

123	80+920	81+400	480	8.7
124	81+400	81+533	133	Varies 8.9 to 12.3
125	81+533	81+563	30	11.1
126	81+563	81+695	132	8.8
127	81+695	82+230	535	8.8
128	82+230	82+350	120	Varies 8.8-12.5-8.8
129	82+350	83+800	1450	8.8
130	83+800	83+934	134	Varies 8.8-12.5
131	83+934	83+964	30	11.1
132	83+964	84+095	131	8.8
133	84+095	84+670	575	8.8
134	84+670	84+865	195	Varies 8.8-8.3-8.8
135	84+865	85+580	715	8.8
136	85+580	85+690	110	Varies 8.8 -12.5-9.1
137	85+690	85+805	115	9.1
138	85+805	85+936	131	Varies 9.1 to 12.4
139	85+936	85+966	30	11.2
140	85+966	86+095	129	Varies 9 to 9.1
141	86+095	86+120	25	Varies 9.1 to 8.8
142	86+120	86+170	50	8.8
143	86+170	86+410	240	Varies 8.8-11.7-8.8
144	86+410	87+013	603	8.8
145	87+013	87+138	125	Varies 8.8 -12.3
146	87+138	87+168	30	11.2
147	87+168	87+300	132	8.8
148	87+300	89+395	2095	8.8
149	89+395	89+523	128	Varies 8.8 to 12.2
150	89+523	89+553	30	10.6
151	89+553	89+685	132	8.8
152	89+685	90+790	1105	8.8
153	90+790	90+895	105	Varies 8.8-12.6-8.8

154	90+895	91+405	510	8.8
155	91+405	91+533	128	Varies 8.8 to 12.3
156	91+533	91+563	30	11
157	91+563	91+695	132	8.8
158	91+695	92+295	600	8.8
159	92+295	92+416	121	Varies 8.8 to 21.2
160	92+416	92+590	174	Varies 21.2-30.6-21.2
161	92+590	92+710	120	Varies 21.2-8.8
162	92+710	93+005	295	8.8
163	93+005	93+137	132	Varies 8.8 to 12.4
164	93+137	93+167	30	11.1
165	93+167	93+300	133	8.8
166	93+300	93+973	673	8.8
167	93+973	94+000	27	Varies 8.8-9.1-8.8
168	94+000	94+055	55	8.8
169	94+055	94+610	555	Varies 8.8 -11.3- 8.8
170	94+610	95+546	936	8.8
171	95+546	95+574	28	10.9
172	95+574	98+015	2441	8.8
173	98+015	98+020	5	Varies 8.8 to 8.5
174	98+020	98+260	240	8.5
175	98+260	98+275	15	10.9
176	98+275	98+320	45	8.8
177	98+320	98+355	35	Varies 8.8 to 7.9
178	98+355	98+415	60	7.9
179	98+415	98+440	25	Varies 7.9 to 8.5
180	98+440	98+545	105	8.5
181	98+545	98+570	25	Varies 8.5 to 8.8
182	98+570	98+890	320	8.8
183	98+890	99+012	122	Varies 8.8 to 11.7
184	99+012	99+034	22	10.9

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
185	99+034	99+135	101	Varies 8.5 to 8.7
186	99+135	99+345	210	8.7
187	99+345	100+640	1295	Varies 8.7- 9.7-8.8
188	100+640	100+880	240	8.8
189	100+880	100+950	70	Varies 8.8-9.0
190	100+950	101+036	86	Varies 9.0-13.7
191	101+036	101+056	20	13
192	101+056	101+156	100	Varies 10.6 - 9.4
193	101+156	101+550	394	Varies 9.4-8.8
194	101+550	102+435	885	8.8
195	102+435	102+540	105	Varies 8.8-14.1
196	102+540	102+560	20	13.3
197	102+560	102+663	103	Varies 10.9-8.8
198	102+663	104+000	1337	8.8
199	104+000	104+100	100	Varies 8.8 to 13.9
200	104+100	104+121	21	13
201	104+121	104+225	104	Varies 10.6 to 8.8
202	104+225	104+390	165	8.8
203	104+390	105+120	730	Varies 8.8-9.5
204	105+120	106+545	1425	8.8
205	106+545	106+647	102	Varies 8.8 -13.8
206	106+647	106+667	20	13
207	106+667	106+765	98	Varies 10.4-8.7
208	106+765	108+620	1855	8.7
209	108+620	108+720	100	Varies 8.7-14.1
210	108+720	108+740	20	12.8
211	108+740	108+850	110	Varies 11.7-8.6
212	108+850	110+740	1890	8.6
213	110+740	110+844	104	Varies 8.6 - 14.1
214	110+844	110+864	20	13.7
215	110+864	110+965	101	Varies 11.2 -8.6
216	110+965	111+640	675	8.6
217	111+640	111+740	100	Varies 8.6-8.9-8.6
218	111+740	111+860	120	8.6
219	111+860	111+955	95	Varies 8.6-25.6
220	111+955	112+090	135	25.6
221	112+090	112+190	100	Varies 25.6-8.8
222	112+190	112+490	300	8.8
223	112+490	112+525	35	Varies 8.8-8.5
224	112+525	112+550	25	Varies 8.5-11
225	112+550	113+520	970	11
226	113+520	113+650	130	Varies 11-8.4
227	113+650	113+860	210	8.4
228	113+860	114+020	160	Varies 8.4-9.2-8.8
229	114+020	114+400	380	8.8
230	114+400	114+515	115	Varies 8.8-10
231	114+515	114+630	115	10
232	114+630	114+805	175	Varies 10-8.8
233	114+805	114+950	145	8.8
234	114+950	114+1041*	141	Varies 8.8-11.6
235	114+1041*	114+1064*	73	11.1
236	114+1064*	115+050	145	8.8
237	115+050	115+210	160	8.8
238	115+210	115+850	640	Varies 8.8-9.3-8.8
239	115+850	117+435	1585	8.8
240	117+435	117+535	100	Varies 8.7-14.3
241	117+535	117+554	19	13.2
242	117+554	117+645	91	Varies 11.2-9.6
243	117+645	117+755	110	Varies 9.6-10.1-8.8
244	117+755	118+250	495	8.8
245	118+250	118+320	70	Varies 8.8-8.3-8.8
246	118+320	121+640	3320	8.8

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
247	121+640	121+741	101	Varies 8.8-14.0
248	121+741	121+759	18	13.4
249	121+759	121+865	106	Varies 11.1-8.8
250	121+865	122+440	575	8.8
251	122+440	122+541	101	Varies 8.8-13.4
252	122+541	122+560	19	13.4
253	122+560	123+000*	267	8.8
254	123+000*	123+270	270	8.7
255	123+270	123+295	25	Varies 8.7 to 10.7
256	123+295	123+325	30	10.7
257	123+325	123+365	40	Varies 10.7 to 11.9
258	123+365	123+416	51	11.9
259	123+416	123+435	19	Varies
260	123+435	123+485	50	7.5
261	123+485	123+535	50	7.5
262	123+535	123+605	70	7.5
263	123+605	124+240	635	8.6
264	124+240	124+265	25	Varies 8.5 to 10.8
265	124+265	124+290	25	10.8
266	124+290	124+320	30	Varies 10.8 to 8.7
267	124+320	124+895	575	8.7
268	124+895	124+915	20	8.7
269	124+915	124+975	60	8.7
270	124+975	125+010	35	8.7
271	125+010	125+800	790	8.7
272	125+800	125+845	45	8.7
273	125+845	125+920	75	8.7
274	125+920	125+970	50	8.7
275	125+970	127+400	1430	8.7
276	127+400	127+440	40	Varies 8.7 to 11.6
277	127+440	127+485	45	11.6

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
278	127+485	127+510	25	Varies 11.6 to 10.5
279	127+510	127+560	50	Varies 10.5 to 7.5
280	127+560	127+605	45	7.5
281	127+605	128+620	1015	8.7
282	128+620	128+663	43	11.2
283	128+663	128+820	157	8.7
284	128+820	128+865	45	10.3
285	128+865	129+246	381	8.7
286	129+246	129+267	21	10.1
287	129+267	129+380	113	8.7
288	129+380	129+415	35	8.7
289	129+415	129+475	60	Varies
290	129+475	129+525	50	7.5
291	129+525	129+546	21	8.7
292	129+546	129+595	49	8.5
293	129+595	129+640	45	8.7
294	129+640	129+865	225	8.7
295	129+865	129+883	18	10.5
296	129+883	130+135	252	8.7
297	130+135	130+160	25	10.6
298	130+160	131+300	1140	8.7
299	131+300	131+350	50	Varies 8.7 to 11.6
300	131+350	131+395	45	11.6
301	131+395	131+415	20	Varies 11.6 to 8.7
302	131+415	131+470	55	8.7
303	131+470	131+515	45	8.7
304	131+515	132+395	880	8.7
305	132+395	132+480	85	Varies 8.7 to 10.9
306	132+480	133+405	925	10.9
307	133+405	133+460	55	Varies 10.9 to 8.7
308	133+460	133+675	215	8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
309	133+675	133+715	40	8.7
310	133+715	134+000*	260	8.7
311	134+000*	134+130	130	8.7
312	134+130	134+175	45	11.2
313	134+175	135+293	1118	8.7
314	135+293	135+311	18	8.7
315	135+311	135+460	149	7
316	135+460	137+630	2170	8.7
317	137+630	137+670	40	9.2
318	137+670	137+845	175	8.2
319	137+845	137+875	30	8.4
320	137+875	138+035	160	8.1
321	138+035	138+105	70	Varies 8.1 to 8.7
322	138+105	138+250	145	8.7
323	138+250	138+292	42	Varies 8.7 to 12.1
324	138+292	138+309	17	12.1
325	138+309	138+350	41	12.1
326	138+350	138+395	45	12.1
327	138+395	138+470	75	Varies 12.1 to 8.6
328	138+470	138+555	85	8.6
329	138+555	139+070	515	8.7
330	139+070	139+170	100	Varies 8.7 to 11.9
331	139+170	139+940	770	11.9
332	139+940	140+000	60	11.5
333	140+000	140+100	100	10.9
334	140+100	140+288	188	8.8
335	140+288	140+310	22	8.8
336	140+310	140+989	679	8.7
337	140+989	141+020	31	10.7
338	141+020	141+058	38	10.7
339	141+058	141+131	73	10.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
340	141+131	141+170	39	Varies 10.7 to 8.7
341	141+170	141+195	25	8.7
342	141+195	141+213	18	8.7
343	141+213	141+955	742	8.7
344	141+955	141+980	25	10.8
345	141+980	142+000	20	9.1
346	142+000	142+050	50	9.1
347	142+050	142+095	45	Varies 9.1 to 11.6
348	142+095	142+144	49	11.6
349	142+144	142+165	21	Varies
350	142+165	142+215	50	8.7
351	142+215	142+240	25	7.5
352	142+240	142+300	60	7.5
353	142+300	142+375	75	8.7
354	142+375	142+400	25	Varies 8.7 to 10.9
355	142+400	142+420	20	10.9
356	142+420	142+450	30	Varies 10.9 to 8.7
357	142+450	143+000*	361	8.7
358	143+000*	143+145	145	8.7
359	143+145	143+170	25	8.7
360	143+170	144+000*	820	8.7
361	144+000	144+415	415	8.7
362	144+415	144+440	25	8.7
363	144+440	144+480	40	8.7
364	144+480	144+529	49	8.7
365	144+529	144+565	36	8.7
366	144+565	144+605	40	8.7
367	144+605	145+015	410	8.5
368	145+015	145+045	30	8.5
369	145+045	145+061	16	8.5
370	145+061	145+235	174	8.5
371	145+235	145+265	30	Varies 8.5 to 11.1
372	145+265	145+310	45	11.1
373	145+310	145+350	40	Varies 10.5 to 8.7
374	145+350	145+620	270	8.7
375	145+620	145+655	35	Varies 8.7 to 11.6
376	145+655	145+697	42	11.6
377	145+697	145+727	30	Varies 11.6 to 8.7
378	145+727	145+775	48	8.7
379	145+775	145+805	30	8.7
380	145+805	146+000*	175	8.7
381	146+000	147+000*	979	8.7
382	147+000	147+050	50	8.7
383	147+050	147+080	30	8.7
384	147+080	147+465	385	8.7
385	147+465	147+545	80	8.1
386	147+545	147+570	25	Varies 8.1 to 10
387	147+570	147+590	20	10
388	147+590	147+635	45	Varies 10 to 8.1
389	147+635	147+800	165	8.1
390	147+800	148+641	841	8.7
391	148+641	148+666	25	8.7
392	148+666	148+855	189	8.1
393	148+855	148+900	45	Varies 8.1 to 10.5
394	148+900	148+920	20	10.5
395	148+920	149+045	125	Varies 10.5 to 8.7
396	149+045	149+085	40	8.7
397	149+085	149+120	35	8.8
398	149+120	149+190	70	8.8
399	149+190	149+251	61	12
400	149+251	149+295	44	9.4
401	149+295	149+330	35	Varies 9.4 to 8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
402	149+330	149+566	236	8.8
403	149+566	149+715	149	7
404	149+715	149+995	280	8.7
405	149+995	149+1030*	35	8.7
406	149+1030*	150+000	303	8.7
407	150+000	150+097	97	8.7
408	150+097	150+116	19	8.7
409	150+116	150+681	565	8.7
410	150+681	150+700	19	8.7
411	150+700	151+195	495	8.7
412	151+195	151+220	25	8.7-10.8
413	151+220	151+260	40	10.8
414	151+260	151+290	30	10.8-8.7
415	151+290	152+260	970	8.7
416	152+260	152+285	25	8.7-8.2
417	152+285	152+305	20	8.2
418	152+305	152+427	122	8.2-8.5
419	152+427	152+455	28	Varies (8.7)
420	152+455	153+000*	141	8.7
421	153+000	153+098	98	8.8
422	153+098	153+145	47	Varies 8.8 to 11.8
423	153+145	153+176	31	10.9
424	153+176	153+221	45	8.7
425	153+221	154+663	1442	8.7
426	154+663	154+701	38	Varies 8.7-8.8-8.7
427	154+701	155+420	719	8.7
428	155+420	155+435	15	Varies 8.7 to 10.5
429	155+435	155+450	15	10.8
430	155+450	155+465	15	Varies 10.6 to 8.7
431	155+465	156+156	691	8.7
432	156+156	156+176	20	11
433	156+176	158+680	2504	8.7
434	158+680	158+800	120	Varies 8.7-10.4-8.7
435	158+800	159+040	240	8.7
436	159+040	159+165	125	Varies 8.7-12.5-8.8
437	159+165	159+275	110	8.8
438	159+275	159+291	16	Varies 8.8 to 11.0
439	159+291	159+306	15	11.4
440	159+306	159+321	15	Varies 11.0 to 8.7
441	159+321	160+005	684	8.7
442	160+005	160+065	60	Varies 8.7-8.9-8.7
443	160+065	160+325	260	Varies 8.7-8.9-8.8
444	160+325	160+395	70	Varies 8.8-7.7
445	160+395	160+425	30	Varies 7.7-8.8
446	160+425	160+893	468	8.8
447	160+893	160+915	22	11.4
448	160+915	162+180	1265	8.8
449	162+180	162+200	20	11.2
450	162+200	162+425	225	Varies 8.7-7.9-8.5
451	162+425	162+970	545	Varies 11-19.0-9.5
452	162+970	162+987	17	6.9
453	162+987	163+245	258	Varies 6.9 to 8.7
454	163+245	163+993	748	8.7
455	163+993	164+140	147	8.8
456	164+140	164+160	20	10.9
457	164+160	165+240	1080	8.8
458	165+240	165+430	190	8.8
459	165+430	165+505	75	8.9
460	165+505	165+525	20	10.6
461	165+525	166+990	1465	8.7
462	166+990	167+010	20	11
463	167+010	167+120	110	Varies 8.9 to 14.8

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
464	167+120	169+130	2010	8.9
465	169+130	169+190	60	10.9
466	169+190	170+315	1125	8.9
467	170+315	173+050	2735	8.9
468	173+050	173+750	700	8.9
469	173+750	174+750	1000	Varies from 8.8 to 12
470	174+750	174+970	220	Varies 8.8 to 11
471	174+970	175+000	30	11

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
Right Hand Side				
1	36+600	36+620	20	9.4
2	36+620	36+780	160	9
3	36+780	37+200	420	9.3
4	37+200	37+830	630	8.9
5	37+830	37+850	20	8.8 to 9.2
6	37+850	38+030	180	8.9
7	38+030	38+070	40	8.8 to 9.2
8	38+070	39+210	1140	8.9
9	39+210	39+305	95	Varies 8.8 to 12.8
10	39+305	39+325	20	12.7
11	39+325	40+076	751	9
12	40+076	40+096	20	11.1
13	40+096	41+736	1640	9.3
14	41+736	41+756	20	10.8
15	41+756	42+440	684	9.2
16	42+440	42+555	115	Varies 11 to 15.2
17	42+555	42+575	20	11.6
18	42+575	42+695	120	Varies 9.4 to 11.3
19	42+695	42+720	25	11.4

20	42+720	42+945	225	Varies 9 to 11.2
21	42+945	44+250	1305	9
22	44+250	44+360	110	Varies 10.5 to 17.1
23	44+360	44+380	20	14.1
24	44+380	44+700	320	9
25	44+700	44+825	125	9 to 12.9
26	44+825	44+855	30	10.8
27	44+855	45+000	145	9.7
28	45+000	46+460	1460	9
29	46+460	46+480	20	11.2
30	46+480	46+600	120	Varies 9.1 to 12.5
31	46+600	49+060	2460	9.1
32	49+060	49+150	90	Varies 9 to 10.8
33	49+150	49+185	35	10.9
34	49+185	49+270	85	9.1
35	49+270	50+090	820	9.2
36	50+090	50+190	100	9.2
37	50+190	50+210	20	11.9
38	50+210	50+465	255	9.3
39	50+465	50+485	20	11
40	50+485	50+735	250	8.9
41	50+735	50+830	95	8.9
42	50+830	50+850	20	11
43	50+850	51+410	560	8.8
44	51+410	51+585	175	Varies 9 to 12.6
45	51+585	51+605	20	11.2
46	51+605	53+225	1620	9
47	53+225	53+340	115	Varies 9.1 to 12.6
48	53+340	53+360	20	11.2
49	53+360	53+460	100	8.7 to 12
50	53+460	55+410	1950	9.3

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
51	55+410	55+500	90	Varies 10.8 to 15.8
52	55+500	55+520	20	11.6
53	55+520	57+290	1770	Varies 7.9 to 13.5
54	57+290	57+320	30	12.6
55	57+320	58+000	680	9
56	58+000	58+090	90	Varies 8.6 to 12
57	58+090	58+110	20	9.1
58	58+110	58+200	90	Varies 8 to 9.1
59	58+200	58+880	680	Varies 7.1 to 10.6
60	58+880	59+300	420	9.6
61	59+300	59+440	140	Varies 10.8 to 15.6
62	59+440	59+470	30	9
63	59+470	59+600	130	Varies 9.3 to 11.5
64	59+600	59+800	200	11.7
65	59+800	60+300	500	8.9
66	60+300	60+790	490	8.8
67	60+790	60+810	20	9.9
68	60+810	60+885	75	8.9
69	60+885	61+740	855	8.7
70	61+740	62+450	710	8.5
71	62+450	62+470	20	9.9
72	62+470	62+940	470	9.7
73	62+940	63+010	70	11
74	63+010	63+435	425	9.7
75	63+435	63+470	35	10.2
76	63+470	63+600	130	9.5
77	63+600	64+000*	400	9.3
78	64+000*	64+225	225	9.3
79	64+225	64+340	115	Varies 9.6 to 12.6
80	64+340	64+370	30	10.8
81	64+370	64+490	120	9.2

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
82	64+490	66+700	2210	8.9
83	66+700	67+630	930	10.8
84	67+630	67+730	100	Varies 9.3 to 12.5
85	67+730	67+880	150	9.1
86	67+880	68+200	320	11.5
87	68+200	68+700	500	8.8
88	68+700	68+835	135	9
89	68+835	68+865	30	11.1
90	68+865	69+000	135	8.7
91	69+000	70+460	1460	8.8
92	70+460	70+585	125	8.9
93	70+585	70+615	30	10.9
94	70+615	70+740	125	8.6
95	70+740	71+340	600	9.1
96	71+340	71+455	115	Varies 9.3 to 12.7
97	71+455	72+530	1075	8.9
98	72+530	72+660	130	8.8
99	72+660	72+690	30	11.1
100	72+690	72+800	110	Varies 8.7 to 11
101	72+800	73+975	1175	8.7
102	73+975	74+950	975	10.9
103	74+950	75+085	135	8.8
104	75+085	75+120	35	11.1
105	75+120	75+245	125	Varies 8.8 to 12
106	75+245	75+525	280	9.3
107	75+525	75+655	130	8.8
108	75+655	75+685	30	11
109	75+685	75+815	130	Varies 8.8 to 12.3
110	75+815	75+910	95	9
111	75+910	77+050	1140	11.2
112	77+050	77+550	500	13

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
113	77+550	78+105	555	13
114	78+105	78+400	295	13
115	78+400	79+115	715	8.8
116	79+115	79+135	20	12.4
117	79+135	79+385	250	Varies 8.7 to 10.2
118	79+385	79+630	245	8.3
119	79+630	80+125	495	Varies 8 to 12
120	80+125	80+130	5	Varies 8 to 12
121	80+130	80+210	80	9.3
122	80+210	80+235	25	Varies 9.3 to 8.7
123	80+235	80+920	685	8.7
124	80+920	81+400	480	8.7
125	81+400	81+533	133	Varies 8.8
126	81+533	81+563	30	11.1
127	81+563	81+695	132	Varies 12.4-8.8
128	81+695	82+230	535	8.8
129	82+230	82+350	120	Varies 8.8-12.5-8.8
130	82+350	82+920	570	8.8
131	82+920	82+940	20	Varies 8.8-11.7
132	82+940	83+150	210	11.7
133	83+150	83+200	50	Varies 11.7-22.6
134	83+200	83+400	200	22.6
135	83+400	83+420	20	Varies 22.6 - 8.8
136	83+420	83+800	380	8.8
137	83+800	83+934	134	8.8
138	83+934	83+964	30	11.1
139	83+964	84+095	131	Varies 12.2-8.8
140	84+095	84+670	575	8.8
141	84+670	84+865	195	Varies 8.8-8.3-8.8
142	84+865	85+615	750	8.8
143	85+615	85+770	155	Varies 8.8 -12.5-8.8

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
144	85+770	85+805	35	8.8
145	85+805	85+936	131	8.8
146	85+936	85+966	30	11.2
147	85+966	86+095	129	Varies 12.3 to 8.8
148	86+095	86+170	75	8.8
149	86+170	86+410	240	Varies 8.8-11.7-8.8
150	86+410	87+013	603	8.8
151	87+013	87+138	125	8.8
152	87+138	87+168	30	11.2
153	87+168	87+300	132	Varies 12.3 to 8.8
154	87+300	89+320	2020	8.8
155	89+320	89+330	10	Varies 8.8-6.8
156	89+330	89+390	60	6.8
157	89+390	89+523	133	Varies 6.8 to 8.0
158	89+523	89+553	30	10.6
159	89+553	89+685	132	Varies 11.2-8.8
160	89+685	90+790	1105	8.8
161	90+790	90+895	105	Varies 8.8-12.6-8.8
162	90+895	91+405	510	8.8
163	91+405	91+533	128	8.8
164	91+533	91+563	30	11
165	91+563	91+695	132	Varies 12.2-8.8
166	91+695	92+295	600	8.8
167	92+295	92+416	121	Varies 8.8 to 21.2
168	92+416	92+590	174	Varies 21.2-30.6-21.2
169	92+590	92+710	120	Varies 21.2-8.8
170	92+710	93+005	295	8.8
171	93+005	93+137	132	8.8
172	93+137	93+167	30	11.1
173	93+167	93+300	133	Varies 12.4-8.8
174	93+300	94+180	880	8.8

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
175	94+180	94+610	430	Varies 8.8 -10.4- 8.8
176	94+610	95+546	936	8.8
177	95+546	95+574	28	10.9
178	95+574	98+260	2686	8.8
179	98+260	98+275	15	10.9
180	98+275	98+890	615	8.7
181	98+890	99+012	122	8.7
182	99+012	99+034	22	10.9
183	99+034	99+135	101	Varies 11.5 to 8.7
184	99+135	99+345	210	8.7
185	99+345	100+640	1295	Varies 8.7- 9.4-8.8
186	100+640	100+880	240	8.8
187	100+880	100+950	70	Varies 8.8-9.0
188	100+950	101+036	86	Varies 9.0-10.8
189	101+036	101+056	20	13
190	101+056	101+156	100	Varies 13.9 - 8.8
191	101+156	102+435	1279	8.8
192	102+435	102+540	105	8.8
193	102+540	102+560	20	13.3
194	102+560	102+663	103	Varies 14-8.8
195	102+663	104+000	1337	8.8
196	104+000	104+100	100	8.8
197	104+100	104+121	21	13
198	104+121	104+225	104	Varies 13.9 to 8.8
199	104+225	104+390	165	8.8
200	104+390	105+120	730	Varies 8.8-9.5-8.8
201	105+120	106+545	1425	8.8
202	106+545	106+647	102	8.8
203	106+647	106+667	20	13
204	106+667	106+765	98	Varies 10.4-8.7
205	106+765	108+620	1855	8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
206	108+620	108+720	100	8.7
207	108+720	108+740	20	12.8
208	108+740	108+850	110	Varies 11.7-8.7
209	108+850	109+615	765	8.7
210	109+615	109+640	25	Varies 8.7-7.1
211	109+640	109+860	220	7.1
212	109+860	109+890	30	Varies 7.1-8.6
213	109+890	110+740	850	8.6
214	110+740	110+844	104	8.6
215	110+844	110+864	20	13.7
216	110+864	110+965	101	Varies 14.1 -8.6
217	110+965	111+655	690	8.6
218	111+655	111+665	10	Varies 8.6 -7.2
219	111+665	111+710	45	7.2
220	111+710	111+740	30	Varies 7.2-8.7
221	111+740	112+045	305	8.7
222	112+045	112+140	95	Varies 8.7-23.9
223	112+140	112+275	135	23.9
224	112+275	112+360	85	Varies 25.6-8.8
225	112+360	112+515	155	8.8
226	112+515	112+525	10	Varies 8.8-8.5
227	112+525	112+550	25	Varies 8.5-11
228	112+550	113+520	970	11
229	113+520	113+600	80	Varies 11-8.7
230	113+600	114+890	1290	8.7
231	114+890	114+905	15	Varies 8.7-9.1
232	114+905	114+950	45	9.1
233	114+950	114+1041*	141	Varies 9.1-10.9
234	114+1041*	114+1064*	73	11.1
235	114+1064*	115+050	145	Varies 13.7-8.8
236	115+050	115+210	160	8.8

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
237	115+210	115+850	640	Varies 8.8-9.3-8.8
238	115+850	117+435	1585	8.8
239	117+435	117+535	100	8.8
240	117+535	117+554	19	13.2
241	117+554	117+645	91	Varies 14.0-8.8
242	117+645	117+695	50	8.8
243	117+695	117+710	15	Varies 8.8-8.1
244	117+710	117+765	55	Varies 8.1-8.7
245	117+765	118+250	485	8.7
246	118+250	118+320	70	Varies 8.7-8.8
247	118+320	121+640	3320	8.8
248	121+640	121+741	101	Varies 8.8-10.7
249	121+741	121+759	18	13.4
250	121+759	121+865	106	Varies 13.7-8.8
251	121+865	122+440	575	8.8
252	122+440	122+541	101	Varies 8.8-10.8
253	122+541	122+560	19	13.4
254	122+560	123+000*	267	8.8
255	123+000	123+270	270	8.7
256	123+270	123+295	25	Varies 8.7 to 10.7
257	123+295	123+325	30	10.7
258	123+325	123+365	40	Varies 10.8 to 8.9
259	123+365	123+416	51	8.9
260	123+416	123+435	19	Varies
261	123+435	123+485	50	7.5
262	123+485	123+535	50	7.5
263	123+535	123+605	70	7.5
264	123+605	124+240	635	8.6
265	124+240	124+265	25	Varies 8.6 to 10.8
266	124+265	124+290	25	10.8
267	124+290	124+320	30	Varies 10.8 to 8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
268	124+320	124+895	575	8.7
269	124+895	124+915	20	8.7
270	124+915	124+975	60	8.7
271	124+975	125+010	35	8.7
272	125+010	125+800	790	8.7
273	125+800	125+845	45	Varies 8.7 to 12
274	125+845	125+920	75	12
275	125+920	125+970	50	Varies 12 to 8.7
276	125+970	127+400	1430	8.7
277	127+400	127+440	40	8.7
278	127+440	127+485	45	8.7
279	127+485	127+510	25	Varies 8.7 to 12
280	127+510	127+560	50	12
281	127+560	127+605	45	Varies 12 to 8.7
282	127+605	128+620	1015	8.7
283	128+620	128+663	43	10.8
284	128+663	128+820	157	8.7
285	128+820	128+865	45	9.9
286	128+865	129+246	381	8.7
287	129+246	129+267	21	10.3
288	129+267	129+380	113	8.7
289	129+380	129+415	35	Varies
290	129+415	129+475	60	7.5
291	129+475	129+525	50	Varies
292	129+525	129+546	21	8.7
293	129+546	129+595	49	11.6
294	129+595	129+640	45	Varies 11.6 to 8.7
295	129+640	129+865	225	8.7
296	129+865	129+883	18	9.9
297	129+883	130+135	252	8.7
298	130+135	130+160	25	9.3

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
299	130+160	131+300	1140	8.7
300	131+300	131+350	50	8.7
301	131+350	131+395	45	8.7
302	131+395	131+415	20	Varies 8.7 to 11.2
303	131+415	131+470	55	11.2
304	131+470	131+515	45	Varies 11.6 to 8.7
305	131+515	132+395	880	8.7
306	132+395	132+480	85	8.7
307	132+480	133+405	925	10.8
308	133+405	133+460	55	Varies 10.8 to 8.7
309	133+460	133+675	215	8.7
310	133+675	133+715	40	8.7
311	133+715	134+000*	260	8.7
312	134+000*	134+130	130	8.7
313	134+130	134+175	45	11.1
314	134+175	135+293	1118	8.7
315	135+293	135+311	18	8.7
316	135+311	135+460	149	7
317	135+460	137+630	2170	8.7
318	137+630	137+670	40	10.1
319	137+670	137+845	175	8.1
320	137+845	137+875	30	8.3
321	137+875	138+035	160	8
322	138+035	138+105	70	Varies 8 to 8.8
323	138+105	138+250	145	8.8
324	138+250	138+292	42	8.9
325	138+292	138+309	17	8.9
326	138+309	138+350	41	8.9
327	138+350	138+395	45	10
328	138+395	138+470	75	10
329	138+470	138+555	85	Varies 10 to 8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
330	138+555	139+070	515	8.7
331	139+070	139+170	100	Varies 8.7 to 10.9
332	139+170	139+940	770	10.9
333	139+940	140+000	60	10.5
334	140+000	140+100	100	10.5
335	140+100	140+288	188	8.4
336	140+288	140+310	22	8.4
337	140+310	140+989	679	8.7
338	140+989	141+020	31	10.8
339	141+020	141+058	38	10.8
340	141+058	141+131	73	10.8
341	141+131	141+170	39	Varies 10.8 to 8.7
342	141+170	141+195	25	8.7
343	141+195	141+213	18	8.7
344	141+213	141+955	742	8.7
345	141+955	141+980	25	10.5
346	141+980	142+000	20	7.5
347	142+000	142+050	50	7.5
348	142+050	142+095	45	7.5
349	142+095	142+144	49	7.5
350	142+144	142+165	21	Varies
351	142+165	142+215	50	12.1
352	142+215	142+240	25	Varies 12 to 8.7
353	142+240	142+300	60	8.7
354	142+300	142+375	75	8.7
355	142+375	142+400	25	Varies 8.7 to 10.7
356	142+400	142+420	20	10.7
357	142+420	142+450	30	Varies 10.7 to 8.7
358	142+450	143+000*	361	8.7
359	143+000	143+145	145	8.7
360	143+145	143+170	25	8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
361	143+170	144+000*	820	8.7
362	144+000	144+415	415	8.7
363	144+415	144+440	25	8.7
364	144+440	144+480	40	8.7
365	144+480	144+529	49	8.7
366	144+529	144+565	36	8.7
367	144+565	144+605	40	8.7
368	144+605	145+015	410	8.5
369	145+015	145+045	30	Varies 8.5 to 8.1
370	145+045	145+061	16	8
371	145+061	145+235	174	7.9
372	145+235	145+265	30	Varies 7.9 to 10.5
373	145+265	145+310	45	10.5
374	145+310	145+350	40	Varies 10.5 to 8.7
375	145+350	145+620	270	8.7
376	145+620	145+655	35	8.7
377	145+655	145+697	42	8.7
378	145+697	145+727	30	Varies 8.7 to 11.6
379	145+727	145+775	48	11.6
380	145+775	145+805	30	Varies 11.6 to 8.7
381	145+805	146+000*	175	8.7
382	146+000	147+000*	979	8.7
383	147+000	147+050	50	8.7
384	147+050	147+080	30	8.7
385	147+080	147+465	385	8.7
386	147+465	147+545	80	8.1
387	147+545	147+570	25	Varies 8.1 to 9.8
388	147+570	147+590	20	9.8
389	147+590	147+635	45	Varies 9.8 tgo 8.1
390	147+635	147+800	165	8.1
391	147+800	148+641	841	8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
392	148+641	148+666	25	8.7
393	148+666	148+855	189	8.1
394	148+855	148+900	45	Varies 8.1 to 9.9
395	148+900	148+920	20	9.9
396	148+920	149+045	125	Varies 9.9 to 8.7
397	149+045	149+085	40	8.7
398	149+085	149+120	35	8.8
399	149+120	149+190	70	8.8
400	149+190	149+251	61	12.4
401	149+251	149+295	44	11.2
402	149+295	149+330	35	Varies 11.2 to 9.1
403	149+330	149+566	236	9.1
404	149+566	149+715	149	10.7
405	149+715	149+995	280	8.7
406	149+995	149+1030*	35	8.7
407	149+1030*	150+000	303	8.7
408	150+000	150+097	97	8.7
409	150+097	150+116	19	8.7
410	150+116	150+681	565	8.7
411	150+681	150+700	19	8.7
412	150+700	151+195	495	8.7
413	151+195	151+220	25	8.7-11.1
414	151+220	151+260	40	11.1
415	151+260	151+290	30	11.1-8.7
416	151+290	152+260	970	8.7
417	152+260	152+285	25	8.7-7.5
418	152+285	152+305	20	7.5
419	152+305	152+427	122	7.5-8.4
420	152+427	152+455	28	Varies(8.7)
421	152+455	153+000*	141	8.7
422	153+000	153+098	98	8.8

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
423	153+098	153+145	47	8.8
424	153+145	153+176	31	10.9
425	153+176	153+221	45	Varies 12 to 8.7
426	153+221	154+660	1439	8.7
427	154+660	154+704	44	Varies 8.7-9.1-8.7
428	154+704	155+420	716	8.7
429	155+420	155+435	15	Varies 8.7 to 10.4
430	155+435	155+450	15	10.7
431	155+450	155+465	15	Varies 10.4 to 8.7
432	155+465	156+156	691	Varies 8.7-9.4-8.7
433	156+156	156+176	20	11.8
434	156+176	159+040	2864	8.7
435	159+040	159+165	125	Varies 8.7-12-9.5
436	159+165	159+275	110	9.5
437	159+275	159+291	16	Varies 9.5 to 11.3
438	159+291	159+306	15	11.3
439	159+306	159+321	15	Varies 11.3 to 9.4
440	159+321	159+395	74	Varies 9.4 to 8.7
441	159+395	159+885	490	8.7
442	159+885	160+025	140	Varies 8.7-9.2-8.7
443	160+025	160+052	27	8.7
444	160+052	160+385	333	Varies 8.7-9.4-9.0
445	160+385	160+590	205	Varies 9.0-8.3-8.7
446	160+590	160+893	303	8.7
447	160+893	160+915	22	11
448	160+915	162+180	1265	Varies 8.7-9.3-8.7
449	162+180	162+200	20	11.2
450	162+200	162+420	220	Varies 9-8.7-10.2
451	162+420	162+970	550	Varies 11-11.5-9.6
452	162+970	162+987	17	Varies 8.3 to 7.0
453	162+987	163+435	448	Varies 7.0-9.0-8.7

S. No.	Existing km		Length (m)	Paved Width including Paved Shoulders & shyness (m)
	From	To		
454	163+435	163+993	558	8.7
455	163+993	164+140	147	9.3
456	164+140	164+160	20	11.5
457	164+160	165+240	1080	8.6
458	165+240	165+430	190	8.7
459	165+430	165+505	75	8.5
460	165+505	165+525	20	10.9
461	165+525	166+990	1465	8.8
462	166+990	167+010	20	11.2
463	167+010	167+120	110	Varies 8.7 to 14
464	167+120	169+130	2010	8.7
465	169+130	169+190	60	11.2
466	169+190	170+315	1125	8.8
467	170+315	173+050	2735	8.8
468	173+050	173+750	700	
469	173+750	174+750	1000	Varies from 8.9 to 12
470	174+750	174+970	220	8.9
471	174+970	175+000	30	10.8

Note- * The distance between km stones is not 1000m at site.

5. SLIP ROADS/ SERVICE ROADS

a. Slip Road

The details of existing Slip roads are as under:-

S. No.	Existing km		Length (m)		Width (m)	Remarks
	From	To	LHS	RHS		
1	66+815	67+423	608	-	7	Underpass
2	66+794	67+423	-	629	7	Underpass
3	72+057	76+334	-	4277	7	Hinganghat Built-up Area
4	72+062	76+343	4281	-	7	
5	76+424	77+250	-	826	7	
6	76+424	77+250	826	-	7	
7	77+250	78+390	1140	-	7	
8	77+250	78+390	-	1140	7	

S. No.	Existing km		Length (m)		Width (m)	Remarks
	From	To	LHS	RHS		
9	82+480	83+102	622	-	5.5	Built-up Area/PUP
10	84+880	85+385	505	-	5.5	Built-up Area/PUP
11	89+597	90+590	-	993	5.5	Built-up Area/PUP
12	94+118	95+050	932	-	7	Built-up Area/PUP
13	94+185	95+200	-	1015	7	
14	95+050	95+420	370	-	7	
15	95+200	95+505	-	305	7	Built-up Area
16	95+420	95+505	85	-	7	Built-up Area
17	99+267	100+678	1433	-	7	Underpass
18	99+267	100+670	-	1425	7.5	Underpass
19	104+352	105+591	-	999	7.5	Underpass
20	104+352	105+591	999	-	7.5	Underpass
21	112+500	112+710	210	-	7	Underpass
22	112+500	112+730	-	230	7	Underpass
23	112+710	113+595	852	-	7+5.5	Slip Road with PGR and separator
24	112+730	113+400	-	637	7+5.5	Slip Road with PGR and separator
25	113+400	113+800	-	400	7	Underpass
26	113+595	113+805	210	-	7	Underpass
27	115+137	116+092	852	-	7	Underpass
28	115+160	115+978	-	818	7	Underpass
29	128+740	129+155	415	-	5	Underpass
30	128+725	129+155	-	430	5.8	Underpass
31	129+960	130+400	440	-	4	Underpass
32	129+935	130+315	-	380	4	Underpass
33	132+310	134+030	1720	-	6	Flyover
34	132+320	134+080	-	1760	6	Flyover
35	137+700	138+065	365	-	5	Underpass
36	137+700	138+035	-	335	5	Underpass
37	139+150	140+135	-	985	6	Flyover
38	147+435	149+475	2040	-	5	Built-up Area/PUP
39	147+465	149+485	-	2020	5	Built-up Area/PUP
40	152+450	153+000	146	-	6	Junction with SH-233
41	152+450	153+000	-	146	6	Junction with SH-233
42	153+000	153+560	560	-	7.5	Built-up Area/PUP
43	153+000	153+170	-	170	7.5	Built-up Area
44	153+195	153+600	-	405	7.5	Built-up Area/PUP
45	157+485	157+927	442	-	7.5	Built-up Area/PUP
46	157+525	157+926	-	401	7.5	Built-up Area/PUP
47	158+860	159+080	-	220	6.75 to 7.0	Underpass
48	158+915	159+080	165	-	6.75 to 7.0	Underpass
49	169+200	170+223	-	1023	7	Flyover
50	169+205	170+270	1065	-	7	Flyover
Total Length (m)			21283	21969	-	-

b. Service Roads

S. No.	Existing km		Length (m)		Width (m)	Remarks
	From	To	LHS	RHS		
1	42+587	42+887	-	300	5	Built-up Area
2	62+490	62+966	476	-	6	Built-up Area
3	62+493	63+432	-	939	5 to 6 (Varies)	Jamb Built-up Area
4	63+000	63+576	576	-	4 to 3 (Varies)	
5	64+370	64+737	-	367	5	-
6	86+467	87+046	-	579	5.5	Built-up Area
7	143+770	144+205	-	435	5	Built-up Area
8	145+080	145+200	-	120	5	Built-up Area
9	173+751	174+492	-	741	7	Side Road towards State Highway
10	174+700	174+930	-	230	7	Built-up Area
Total Length (m)			1052	3711	-	-

6. STRUCTURES

There are total 240 Nos. of structures along the project highway, the breakup is given below-

S. No.	Type of Structure	Unit	Structures
1	Major Bridges	No	08
2	Minor Bridges	No	59
3	Service road Bridges	No	03
4	ROB	No	03
5	Flyover /Grade Separator	No	07
6	VUP	No	02
7	PUP	No	22
8	FOB	No	01
9	Pipe Culverts	No	93
10	Slab Culverts	No	10
11	Box Culverts	No	30
12	Utility Crossings	No	01
13	Choked Culverts	No	01
Total Numbers			240

The Details of above structures are provided below:-

6.1 Major Bridge

The site includes the following Major Bridges

S.No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
1	49+770	284472	2294193	LHS	10x32.00	320	2x10.25	PSC T-Beam	Pier-Wall & Counterfort Abut.	Open
				RHS	10x32.00	320		PSC T-Beam	Pier-Wall & Counterfort Abut.	Open
2	58+555	283915	2285406	LHS	4 span	100	1 x 11.23	Solid Slab / RCC Box Girder	Pier-Wall & Counterfort Abut.	Open
				RHS	4 span	100	1x 10.25	Solid Slab / PSC Box Girder	Pier-Wall & Counterfort Abut.	Open
3	79+520	271937	2273180	LHS	6x22.85+3x27.3	219	1 x 10	RCC Girder	Wall	Well
				RHS	6x22.85+3x27.3	219	1 x 12	PSC Girder	Wall	Well
4	80+154	271297	2273354	LHS	5x13.20	66	1 x 12	T-Beam	Wall	Open
				RHS	5x13.20	66	1 x 12	Continuous RCC Solid Slab	Wall	Open
5	109+770	261943	2247401	LHS	1x45.75+2 x49.5+1x45.65	191	1 x 12	PSC Box Girder & Deck Slab	Wall	Open
				RHS	1x45.75+2x49.5+1x45.65	191	1 x 12	PSC Box Girder & Deck Slab	Wall	Open
6	141+095	245388	2223514	LHS	3 span	63	1 x 12	RCC I Girder	Wall	Not visible
				RHS	3 span	63	1 x 12	RCC I Girder	Wall	Not visible

S.No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
7	149+640	243122	2216401	LHS	6 span	126	1 x 10.65	RCC I Girder	Wall	Not visible
				RHS	6 span	126	1 x 12	RCC I Girder	Wall	Not visible
8	160+337	241664	2206504	LHS	4x19.00	76	2 x 12	RCC Girder	Circular pier & counterfort abut.	Open
				RHS	4x19.00	76		RCC Girder	Circular pier & counterfort abut.	Open

6.2 Minor Bridge

The Site includes the following Minor Bridges.

S.No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
1.	41+792	287693	2305700	LHS	1x8.48	8.5	2 x 12	RCC Solid Slab	RCC Box	Not visible
				RHS	1x8.48	8.5		RCC Solid Slab	RCC Box	Not visible
2.	43+526	287084	2299643	LHS	1x10.38	10.4	2 x 12	RCC Solid Slab	Wall	Open
				RHS	3x3.46	10.4		RCC Solid Slab	RCC Box	Open
3.	45+414	286279	2297927	LHS	1x6.48	6.5	2 x 12	RCC Solid Slab	Wall	Open
				RHS	1x6.48	6.5		RCC Solid Slab	Wall	Open
4.	46+391	285865	2297047	LHS	1x7.48	7.5	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x7.48	7.5		RCC Solid Slab	RCC Wall	Open
5.	48+015	285190	2295591	LHS	3x5.02	15.08	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x10.38	10.40		RCC Solid Slab	RCC Wall	Open
6.	51+539	284016	2292327	LHS	1x8.98	9.00	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x8.98	9.00		RCC Solid Slab	RCC Wall	Open
7.	53+653	283897	2290212	LHS	1x6.18	6.20	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x6.18	6.20		RCC Solid Slab	RCC Wall	Open
8.	55+792	283762	2288088	LHS	3x8.73	26.25	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	3x8.73	26.25		RCC Solid Slab	RCC Wall	Open
9.	57+272	283810	2286616	LHS	1x9.18	9.2	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x9.18	9.2		RCC Solid Slab	RCC Wall	Open
10.	59+945	283963	2283960	LHS	5x6.7	33.52	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	5x6.7	33.52		RCC Solid Slab	RCC Wall	Open

S.No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck width (m)	Type of Superstructure	Type of Sub-Structure	Type of Foundation
11.	60+623	284006	2283260	LHS	1x5.78	6.0	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x5.78	6.0		RCC Solid Slab	RCC Wall	Open
12.	61+126	283940	2282758	LHS	1x9.94	9.96	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x9.94	9.96		RCC Solid Slab	RCC Wall	Open
13.	65+875	282646	2279019	LHS	3x12.1	36.35	2 x 12	T-Beam	Wall type abut & circular pier	Open
				RHS	3x12.1	36.35		Continuous RCC Solid Slab	Wall type abut & circular pier	Open
14.	67+289	281555	2277965	LHS	1x6.22	6.5	2 x 13.75	RCC Box	RCC Box	RCC Box
				RHS	1x6.22	6.5		RCC Box	RCC Box	RCC Box
15.	68+684	280542	2277141	LHS	1x6.26	6.3	2 x 13.75	RCC Box	RCC Box	RCC Box
				RHS	1x6.26	6.3		Slab/Box (widening)	RCC Box	RCC Box
16.	70+360	279095	2276293	LHS	1x9.81	9.83	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	1x9.81	9.83		RCC Solid Slab	RCC Wall	Open
17.	78+075	273052	2272492	LHS	1x13	13.2	2 x 12	RCC Box	RCC Box	Open
				RHS	1x13	13.2		RCC Box	RCC Box	Open
18.	81+809	270157	2272300	LHS	2x4.29	8.6	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	2x4.29	8.6		RCC Solid Slab	RCC Wall	Open
19.	84+736	269342	2269528	LHS	4x8.3	33.22	2 x 12	RCC Solid Slab	RCC Wall	Open
				RHS	4x8.3	33.22		RCC Solid Slab	RCC Wall	Raft
20.	87+304	268548	2267123	LHS	1x6.16	6.2	2 x 13.75	RCC Box	RCC Box	RCC Box
				RHS	1x6.16	6.2		RCC Box	RCC Box	RCC Box
21.	89+076	267907	2265494	LHS	1x11.42	11.42	2 x 13.75	RCC Box	RCC Wall	Raft
				RHS	1x11.42	11.42		RCC Box	RCC Wall	Raft
22.	89+358	267838	2265235	LHS	3x13.7	41.15	2 x 12	Continuous RCC Solid Slab	RCC Wall	Open
				RHS	3x13.7	41.15		T-Beam	Stone Masonary	Open
23.	94+486	264669	2261364	LHS	1x8.02	9.22	2 x 13.75	RCC Solid Slab	Wall	Open
				RHS	1x8.02	9.22		RCC Solid Slab	Wall	Open
24.	98+084	264290	2257798	LHS	1x6.75	7.5	2 x 12	RCC Box	RCC Box	RCC Box
				RHS	1x6.75	7.5		RCC Box	RCC Box	RCC Box
25.	98+492	264190	2257698	LHS	1x6.75	7.5	2 x 12	RCC Box	RCC Box	RCC Box
				RHS	1x6.75	7.5		RCC Box	RCC Box	RCC Box
26.	100+920	262843	2255480	LHS	1x20	21.24	2 x 12	PSC Solid Slab	Wall	Pile
				RHS	1x20	21.24		PSC Solid Slab	Wall	Pile
27.	102+837	262500	2253601	LHS	1x6.75	7.5	2 x 12	RCC Box	RCC Box	RCC Box
				RHS	1x6.75	7.5		RCC Box	RCC Box	RCC Box
28.	103+687	262312	2252798	LHS	2x13.79+ 1x14.4	43.22	2 x 12	RCC Solid Slab	Wall	Pile
				RHS	2x13.79+ 1x14.4	43.22		RCC Solid Slab	Wall	Pile

S.No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck width (m)	Type of Superstructure	Type of Sub-Structure	Type of Foundation
29.	106+505	261812	2250287	LHS	2x18.11+ 1x18.72	56.18	2 x 12	PSC Solid Slab	Wall	Open
				RHS	2x18.11+ 1x18.72	56.18		PSC Solid Slab	Wall	Open
30.	110+655	261489	2246514	LHS	1x5.6	6.2	2 x 12	RCC Box	RCC Box	RCC Box
				RHS	1x5.6	6.2		RCC Box	RCC Box	RCC Box
31.	111+690	261489	2245528	LHS	3x13.6	40.8	1 x 12	RCC Voided Slab	Wall	Open
				RHS	3x13.6	40.8	1 x 8.5	RCC Girder & Deck Slab	Wall	Open
32.	113+913	261478	2243490	LHS	3X3.34	10.84	2 x 12	RCC Girder	Wall	Open
				RHS	3X3.34	10.84		RCC Girder	Wall	Open
33.	114+928	261096	2242577	LHS	3x18	54	2 x 12	Voided Sab	Wall	Well
				RHS	3x18	54		Voided Sab	Wall	Well
34.	118+280	259842	2239417	LHS	2x7.0	15	2 x 12	Solid Slab	Wall	Not visible
				RHS	2x7.0	15		Solid Slab	Wall	Not visible
35.	123+310	257435	2235438	LHS	1 x 24.7	24.74	2 x 12	RCC I Girder	Wall	Not visible
				RHS	1 x 24.7	24.74		RCC I Girder	Wall	Not visible
36.	124+278	256768	2234771	LHS	1 x 12.6	12.64	2 x 12	RCC I Girder	Wall	Not visible
				RHS	1 x 12.6	12.64		RCC I Girder	Wall	Not visible
37.	128+640	254065	2231494	LHS	2 x 17	34.04	2 x 12	RCC I Girder	Wall	Not visible
				RHS	2 x 17	34.04		RCC I Girder	Wall	Not visible
38.	129+257	253833	2230947	LHS	1 x 9.5	9.52	2 x 12	RCC Solid Slab	Wall	Not visible
				RHS	1 x 9.5	9.52		RCC Solid Slab	Wall	Not visible
39.	129+875	253603	2230379	LHS	1 x 9.5	9.52	2 x 12	RCC Solid Slab	Wall	Not visible
				RHS	1 x 9.5	9.52		RCC Solid Slab	Wall	Not visible
40.	134+150	250464	2227616	LHS	2 x 17	34.04	2 x 12	RCC I Girder	Wall	Not visible
				RHS	2 x 17	34.04		RCC I Girder	Wall	Not visible
41.	137+685	247847	2225546	LHS	4 x 7.5	30.02	2 x 12	RCC Solid Slab	Wall	Not visible
				RHS	2 x 15	30.04		RCC I Girder	Wall	Not visible
42.	141+000	245436	2223593	LHS	1 x 21.7	21.74	2 x 12	RCC I Girder	Wall	Not visible
				RHS	1 x 21.7	21.74		RCC I Girder	Wall	Not visible
43.	141+970	244937	2222767	LHS	1 x 17	17.04	2 x 12	RCC I Girder	Wall	Not visible
				RHS	1 x 17	17.04		RCC I Girder	Wall	Not visible
44.	142+410	244696	2222407	LHS	1 x 12	12.04	2 x 12	RCC I Girder	Wall	Not visible
				RHS	1 x 12	12.04		RCC I Girder	Wall	Not visible
45.	145+290	243335	2220396	LHS	2 x 17.5	35.04	2 x 12	RCC I Girder	Wall	Not visible
				RHS	2 x 17.5	35.04		RCC I Girder	Wall	Not visible
46.	151+235	242399	2214897	LHS	1 x 21.7	21.74	2 x 12	RCC I Girder	Wall	Not visible
				RHS	3 x 7.3	21.92		RCC Solid Slab	Wall	Not visible
47.	152+298	242096	2213929	LHS	2 x 6	12.02	2 x 12	RCC Solid Slab	Wall	Not visible
				RHS	2 x 6	12.9		RCC Box	BOX	BOX
48.	154+683	242249	2211988	LHS	3x9	27.02	2 x 12	RCC Solid Slab	Wall	Not visible
				RHS	3x9	27.02		RCC Solid Slab	Wall	Not visible

S.No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
49.	157+161	242054	2209572	LHS	3x8.5	25.52	2 x 12	RCC Solid Slab	Wall	Not visible
				RHS	3x8.5	25.52		RCC Solid Slab	Wall	Not visible
50.	158+704	241921	2208093	LHS	3x8.7	26.12	1 x 11.9	RCC Solid Slab	Wall	Open
				RHS	3x8.7	26.12	1 x 12	RCC Solid Slab	Wall	Open
51.	162+091	242302	2204866	LHS	3x5.3	15.92	1 x 12	RCC Solid Slab	Wall	Open
				RHS	3x5.3	15.92	1 x 8.15	RCC Solid Slab	Wall	Open
52.	162+724	242259	2204250	LHS	1X20	20	2 x 12	RCC Girder	Wall type	Open
				RHS	1X20	20		RCC Girder	Wall type	Open
53.	164+567	242539	2202419	LHS	2x3.5	7	2 x 12	RCC Box	Box	Box
				RHS	2x3.5	7		RCC Box	Box	Box
54.	165+169	242615	2201839	LHS	4x8.5	34.02	2 x 12	RCC Solid slab	Stone masonry	Not visible
				RHS	4x8.5	34.02		RCC Solid slab	Stone masonry	Not visible
55.	166+147	243324	2201251	LHS	1x17	17.02	2 x 12	RCC T-Beam	Counterfo rt abt.	Not visible
				RHS	1x17	17.02		RCC T-Beam	Counterfo rt abt.	Not visible
56.	169+143	245505	2199222	LHS	1x17	17.02	2 x 12	RCC T-Beam	Counterfo rt abt.	Not visible
				RHS	1x17	17.02		RCC T-Beam	Counterfo rt abt.	Not visible
57.	170+504	245808	2197915	LHS	1x6.6	7.00	2 x 12	RCC Box	Box	Box
				RHS	1x6.6	7.00		RCC Box	Box	Box
58.	172+883	245484	2194966	LHS	2x7.5	15.02	1 x 8.6	RCC Solid slab	Box	Open
				RHS	2x7.5	15.02	1 x 12	RCC Solid slab	Box	Open
59.	174+626	246180	2193204	LHS	2x8	16.02	2 x 12	RCC Solid slab	Wall	Open
				RHS	2x8	16.02		RCC Solid slab	Wall	Open

6.3 Service Road Bridges

The Site includes the following Service Road Bridges

S.No.	Existing km	Easting (m)	Northing (m)	LHS/ RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck Width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
1	67+289	281555	2277965	LHS	1x6.22	6.22	2 x 8.75	RCC Box	RCC Box	RCC Box
				RHS	1x6.22	6.22		RCC Box	RCC Box	RCC Box
2	78+075	273052	2272492	LHS	1x13	13.2	2 x 12	RCC Box	RCC Box	Open
				RHS	1x13	13.2		RCC Box	RCC Box	Open
3	94+486	264669	2261364	LHS	1x8.02	9.22	2 x 7.5	RCC Solid Slab	Wall	Open
				RHS	1x8.02	9.22		RCC Solid Slab	Wall	Open

6.4 ROB

The site includes the following ROB's

S.No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck Width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
1	37+418	287693	2305700	LHS	1x51.3	51.35	22.7	Steel Plate Girder	Wall	Not visible
				RHS	1x51.3	51.35		RCC Girder	Wall	Not visible
2	76+371	274722	2272439	LHS	2x14.3+30.4+14+ 14.3	87.34	2 x 13.75	Steel & RCC Girder	Wall	Open
				RHS	2x14.3+30.4+14+14.3	87.34		Steel & RCC Girder	Wall	Open
3	173+522	245484	2194966	LHS	1x22.0+1x10.4	56.67	2 x 12	RCC Girder	Wall type pier & counterfort abut	Open
				RHS	1x20.60+1x9.30	56.67		RCC T-Beam	Wall	Open

6.5 Flyovers/Grade Separators

The Site includes the following Flyovers/Grade Separators

S. No.	Existing km	Easting (m)	Northing (m)	LHS/RHS	Span Arrangement (Expansion Joint To Expansion Joint) m)	Length of Structure (m)	Total Deck Width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
4	74+493	275706	2274029	LHS	1x15+1x25+1x15	55.05	2 x 12	Voided Slab	Wall	Pile
				RHS	1x15+1x25+1x15	55.05		Voided Slab	Wall	Pile
5	77+855	274322	2272146	LHS	6x30+1x45+8x30+2x45	555.05	2 x 13.75	PSC Box Girder	Wall	Open
				RHS	6x30+1x45+8x30+2x45	555.05		PSC Box Girder	Wall	Open
6	79+868*	271531	2273430	RHS	1x15+1x25+1x15	55.05	1 x 12	Voided Slab	Wall	Pile
7	113+081	261835	2244235	LHS	1x30+2x12.615	56.67	2 x 12	PSC Girder	Wall	Pile
				RHS	1x30+2x12.615	56.67		PSC Girder	Wall	Pile
8	132+750	251530	2228494	LHS	1x15.5+1x32+ 1x15.5	63.04	2 x 12	RCC I Girder + PSC I Girder	Wall	Not visible
				RHS	1x15.5+1x32+ 1x15.5	63.04		RCC I Girder + PSC I Girder	Wall	Not visible
9	139+465*	246277	2224862	RHS	1x15.5+1x32+ 1x15.5	63.04	1 x 12	RCC I Girder + PSC I Girder	Wall	Not visible
10	169+640	245554	2198815	LHS	2x15+1x20	50.04	2 x 12	RCC Girder	Wall	Pile
				RHS	2x15+1x20	50.04		RCC Girder	Wall	Open

6.6 VUP

The Site includes the following VUP's

S.No.	Existing km	Easting (m)	Northing (m)	LHS/ RHS	Span Arrangement (Expansion Joint To Expansion Joint) (m)	Length of Structure (m)	Total Deck Width (m)	Type of Superstructure	Type of Sub - Structure	Type of Foundation
1	112+870	261886	2244408	-	1x13.70x5.5	13.70	2 x 13.75	Box	Box	Box
2	113+230	261746	2244120	-	1x13.70x5.0	13.70	2 x 13.75	Box	Box	Box

6.7 PUP

The Site includes the following PUPs

S. No.	Existing km	Easting (m)	Northing (m)	LHS/ RHS	Span Arrangement (Expansion Joint To Expansion Joint) m)	Length of Structure (m)	Total Deck Width (m)	Type of Super-structure	Type of Sub - Structure	Type of Foundation
1.	67+095	281752	2278162	-	1x7.02x3.5	7.5	2 x 13.75	Box	Box	Box
2.	74+320	275824	2274166	-	1x7.22x2.5	7.22	2 x 13.75	Box	Box	Box
3.	74+740	275547	2273810	-	1x7.22x2.5	7.22	2 x 13.75	Box	Box	Box
4.	76+126	274842	2272612	-	1x7.22x2.5	7.22	2 x 13.75	Box	Box	Box
5.	76+635	269275	2269264	-	1x7.22x2.5	7.22	2 x 13.75	Box	Box	Box
6.	82+717	267696	2264600	-	1x7.22x2.5	7.22	2 x 13.75	Box	Box	Box
7.	84+996	269275	2269264	-	1x7.02x2.5	7.02	2 x 13.75	Box	Box	Box
8.	90+005	267696	2264600	-	1x7.22x3.5	7.22	2 x 13.75	Box	Box	Box
9.	94+350	264703	2261509	-	1x6.75x4.192	7.5	2 x 12	Box	Box	Box
10.	99+626	263532	2256496	-	1x7.5x3.63	7.5	2 x 12	Box	Box	Box
11.	105+155	261638	2251762	-	1x6.75x4.0	7.5	2 x 12	Box	Box	Box
12.	115+504	260858	2241882	-	1x6.6x3.6	7.2	2 x 12	Box	Box	Box
13.	128+840	253935	2231358	LHS	1x6x2.6	7.4	2 x 12	Box	Box	Box
				RHS	1x6x3.7	7.4		Box	Box	Box
14.	130+147	253519	2230118	LHS	1x6x4.8	7.4	2 x 12	Box	Box	Box
				RHS	1x6x2.5	7.4		Box	Box	Box
15.	133+225	251150	2228188	-	1x6x2.8	7.4	2 x 12	Box	Box	Box
16.	137+860	247633	2225518	-	1x6x2.5	7.4	2 x 12	Box	Box	Box
17.	147+580	243571	2218172	-	1x6x2.5	7.4	2 x 12	Box	Box	Box
18.	148+912	243576	2216840	-	1x6x2.5	7.4	2 x 12	Box	Box	Box
19.	153+379	243553	2213292	-	1x6x3.7	7.2	2 x 12	Box	Box	Box
20.	157+718	241851	2209042	-	1x6x3.4	7.2	2 x 14.23	Box	Box	Box
21.	159+015	241909	2207766	-	1x6x3.6	7.2	2 x 14.23	Box	Box	Box
22.	169+391	245524	2198995	-	1x6x2.5	7.2	2 x 14.23	Box	Box	Box

6.8 Foot Over Bridge (FOB)

S. No.	Existing km	Type of Structure	Remark
1	75+575	Foot over Bridge (FOB)	Recently Constructed

7.9 Culverts and Utility Ducts

There are total 135 nos. of culverts/utility duct; details of these are given below.

S. No.	Existing km	Coordinates		Span (no of pipes x Diameter of Pipe in m)
		Easting m	Northing m	
1.	38+483	287677.09	2304603.33	3x1.2
2.	38+908	287658.55	2304178.61	1x1.2
3.	39+249	287646.58	2303825.87	1x1.2
4.	39+624	287633.71	2303451.5	4x1.2
5.	40+262	287605.17	2302812.51	4x1.2
6.	40+996	287574.91	2302079.37	4x1.2
7.	43+018	287294.09	2300088.31	1x1.2
8.	43+166	287234.17	2299957.71	2x0.9
9.	48+720	284882.71	2294922.77	2x0.9
10.	59+182	283957.89	2284704.99	1x1.0
11.	61+789	283868.77	2282095.8	2x1.0
12.	62+442	284111.65	2281539.1	1x1.0
13.	63+168	284314.84	2280907.27	2x1.2
14.	64+883	283359.91	2279674.34	3x1.0
15.	68+950	280317.55	2276991.39	2x1.2
16.	70+135	279294.36	2276393.01	2x1.0
17.	70+605	278886.91	2276156.2	1x1.2
18.	71+317	278271.04	227579.94	1x1.0
19.	71+641	277992.19	2275631.78	3x1.2
20.	72+427	277320.77	2275240.28	1x1.2
21.	73+785	276179.72	2274497.49	3x1.2
22.	75+721	275050.1	2272958.68	1x1.2
23.	77+106	274013.13	2272283.91	2x1.2
24.	82+214	269953.7	2271944.7	3X1.2
25.	82+570	269843.38	2271613.49	3X1.0
26.	82+890	269754.13	2271304.32	1x1
27.	86+536	268928.12	2667753.44	4x0.3

S. No.	Existing km	Coordinates		Span (no of pipes x Diameter of Pipe in m)
		Easting m	Northing m	
28.	86+981	268726.73	2267377.53	5x0.3
29.	90+770	267102.60	2264109.14	3X1.2
30.	91+721	266353.78	2263516.55	1X1
31.	93+137	265392.15	2262483.35	2X1.2
32.	105+494	261586.54	2251426.69	2x1.2
33.	105+721	261576.47	2251202.46	1x1.2
34.	111+349	261405.54	2245838.35	2x1.2
35.	116+1017	260339.64	2240620.05	2x1.2
36.	118+305	259833.69	2239373.9	2x1.2
37.	119+509	259305.38	2238292.99	1x1.2
38.	121+934	258134.52	2236170.22	1x1.2
39.	122+122	258058.88	2235999.05	1x1.2
40.	124+917	256504.87	2234219.56	1x1.2
41.	125+160	256326.85	2234050.84	1x1.2
42.	125+615	256137.44	2233872.59	1X1.2
43.	126+247	255638	2233281	2X1.2
44.	126+612	255385.77	2233020.29	1X1.2
45.	127+180	254993.22	2232612.79	1X1.2
46.	128+055	254432.29	2231956.17	1X1
47.	130+442	253331.08	2229898.87	1X1.2
48.	130+892	252999.65	2229591.72	1X1.2
49.	132+550	251718.01	2228579.93	1x1.2
50.	135+057	249844	2226945	1X1
51.	135+596	249522	2226513	1X1
52.	135+757	249429	2226382	1X1.2
53.	138+655	246852.88	2225414.31	1X1.2
54.	138+920	246652.17	2225259.34	1X1.2
55.	139+735	246079.85	2224680.36	1X1
56.	140+210	245801.93	2224300.33	1X1.2
57.	141+570	245130.25	2223105.15	1X1
58.	142+170	244859.66	2222581.24	1X1.2
59.	143+370	244190.13	2221960.37	1X1
60.	144+006	243681	2221601	1x1.2
61.	144+940	243340.52	2220757.36	1X1.2

62.	145+035	243334.66	2220662.18	1x1.2
63.	145+670	243376.17	2220027.53	1X1.2
64.	145+937	243395.7	2219763.92	1X1
65.	146+205	243414.77	2219513.98	1X1
66.	146+670	243473	2219059	1X1.2
67.	147+545	243589.29	2218211.06	1X1.2
68.	148+390	243533.91	2217370.39	1x1.2
69.	148+507	243569	2217252	1x1.2
70.	148+951	243586.36	2216808.1	2x1.2
71.	149+970	242807	2216354	1x1.2
72.	150+250	242657.73	2215807.34	1X1.2
73.	151+705	242131.45	2214519.04	2x1.2
74.	153+525	242113.07	2213116.57	2X1.2
75.	155+000	242243.23	2211656.7	1X1.2
76.	155+464	242291.29	2211194.05	2X1.2
77.	157+341	241981.7	2209382.12	1X1.2
78.	157+679	241873.25	2209072.29	1X1.2
79.	159+152	241875.65	2207620.4	1X1.2
80.	160+514	241680.87	2206307.42	1X1.2
81.	160+579	241697.16	2206245.8	1X1.2
82.	161+005	241879.42	2205856.99	1X1.2
83.	161+778	242210.39	2205157.63	1X1.2
84.	162+309	242312.64	2204640.5	1X1.2
85.	163+691	242446.05	2203279.29	1X1.2
86.	167+775	244575.63	2200212.24	1X1.2
87.	168+421	245087.79	2199798.96	1X1.2
88.	169+276	245533	2199101.33	1X1.2
89.	170+049	245705.12	2198350.85	1X1.2
90.	174+217	245684	2194255	1X1.2
91.	174+375	245763	2194121	1X1.2
92.	174+445	245797	2194060	1X1.2
93.	174+775	245943	2193763	1X1.2

Slab Culverts

S. No.	Existing km	Coordinates		Span Arrangement and Total Ventway (No.x Length) (m)
		Easting m	Northing m	
1	42+335	287497.56	2300736.96	1x4.0
2	45+985	286003.19	2297398.03	1x3.7
3	46+847	285676.34	2296220.8	1x3.0
4	47+100	285566.89	2296393.27	1x3.6
5	51+180	284040.88	2292678.43	1x3.2
6	56+122	283755.3	2287745.07	1x3.2
7	57+155	283730.63	2286723.76	1x2.0
8	160+033	241749.8	2206761.86	1x3.5
9	164+145	242503.52	220819.2	1x5.2
10	172+162	245731.57	2196289.49	1X4.1

Box Culverts

S. No.	Existing km	Coordinates		Span Arrangement and Total Ventway (No.x Length) (m)
		Easting m	Northing m	
1.	41+016	287571.06	2302057.61	1x3.0
2.	42+387	287486.82	2300689.87	1x3.0
3.	50+017	284233.1	2293804.92	1x3.0x2.5
4.	64+144	283750.4	2280286.31	1x4.0x3.0
5.	66+224	282381.42	2278953.97	1x4x3.5
6.	69+506	279831.51	2276709.36	1x3.0x2.5
7.	83+092	269715.34	2271106.61	1x4.6x2
8.	86+261	269005.51	268017.24	1x4x3.1
9.	93+985	264888.37	2261816.47	1X5X4.2
10.	95+345**	264594.15	2260513.88	1X2X2
11.	95+914	264535.12	2259946.05	1x3X3.2
12.	97+267	264399.48	2258599.10	1x2x2.9
13.	99+135	263825.71	2256871.85	1X2X2.3
14.	100+121	263103.79	2256189.07	1x3x1.8
15.	102+111	262637.62	2254306.94	1x4x2.4
16.	102+336	262598.71	2254085.44	1x3x1.9
17.	111+095	261384.35	2246090.96	1x3x3
18.	115+857	260748.18	2241580.15	1x3x2.5
19.	117+608	260091.75	2240006.95	1x4x2.7
20.	119+935	259083.41	2237934.49	1x3x3
21.	130+662	253173.88	2229750.24	1X5.1X3.9
22.	131+440	252530.18	2229307.26	1X5.0X1.5
23.	134+395	250309.09	2227436.92	1X3.0X2.7
24.	138+210	247294.66	2225502.11	1x3.0x2.3
25.	141+925	244961.94	2222809.3	1X5.9X5.1
26.	144+645	243395.98	2221045.52	1X6.0X4.6
27.	147+032	243541	2218726	1X4.8X3.0
28.	147+940	243557	2217831	1x6.0x5.0
29.	149+1105*	242700	2216265	1X5.8X4.0
30.	161+580	242131.56	2205344.5	1X3X3

* The distance between km. stones is not 1000m at site

** The box culvert is under construction.

Chocked Culverts

S. No.	Existing km	Coordinates		Span (no of pipes x Diameter of Pipe in m)
		Easting m	Northing m	
1	64+659	283402.59	2279900.4	Chocked (Not Visible)

Utility Ducts

S. No.	Existing km	Coordinates		Span (no of pipes x Diameter of Pipe in m)
		Easting m	Northing m	
1	132+495	251737.77	2228646.35	1x0.6

7. JUNCTIONS

In existing Project Highway, there are total 18 major junctions and 272 minor junctions. However, any junctions found extra to be included in scope of the Concessionaire and not considered under change of scope. Details of all junctions are provided below.

7.1 Major Junction

S. No.	Existing km	Type of Junction	Name of Access Road		Surface Type of Access Road		Width of Access Road (m)		Remarks
			LHS	RHS	LHS	RHS	LHS	RHS	
1.	42+710	T	Bela	--	BC	--	6	--	SH-353 (At-Grade)
2.	59+455	+	Samundarpur	Wardha	BC	BC	14	18	SH-258 (At-Grade)
3.	63+000	+	Renkapur	Chandrapur	BC	BC	12	19	NH-347A towards Chandrapur (At-Grade)
4.	74+493	+	Bus Stand Road	Hinganghat City	BC	BC	9	4	Below Flyover
5.	75+095	+	Hinganghat City	Hinganghat City	BC	BC	8	8	At-Grade
6.	75+672	+	Pimpal Gaon	Hinganghat City	BC	BC	7	7	At-Grade
7.	77+700	+	Hinganghat City	Nandgaon	BC	BC	14	12	Below Flyover
8.	79+868	T	--	Wardha	--	BC	--	11	SH-243, At grade junction (Flyover for RHS Carriageway only)
9.	95+561	+	Bathgudi/Bambarda	Ajansam/Sirsagaon wadner road	BC	CC	3.5	16	At-Grade
10.	113+081	T	--	Dahegaon	--	CC	--	9	NH-361B, Below VUP
11.	113+694	T	Khairi	--	BC	--	5.5	--	SH-236, At-Grade
12.	132+750	X	Wani	Yavatmal	BC	BC	10.3	8.7	Grade Separated Junction (Junction of NH-7 with MSH-6), Below-Flyover
13.	139+465	Y	--	Yavatmal	--	BC	--	16.5	Flyover for RHS Carriageway only. At-Grade Junction
14.	144+500 (New 144+401)	Y	--	Umari	--	BC	--	7.4	At Grade Junction
15.	149+284 (Old Km. 149+220)	Y	Pandharkawada Town	--	BC	--	18.1	--	At Grade Junction
16.	152+506 (New 152+900)	T	Tatapur / Zari Jamini	--	BC	--	8.1	--	At Grade Junction with MSH-233
17.	153+204	T	--	Kelapur	--	BC	--	5.3	
18.	169+640	T	Patan Bori	--	BC	--	7.5	--	MSH-234 (Below Flyover)

7.2 Minor Junction

S. No.	Existing km	Type of Junction	Name of Access Road		Remarks
			LHS	RHS	
1.	36+620	Y	--	Village Road	--
2.	37+822	Y	Village Road (Towards Bamhani)	--	--
3.	38+025	T	Local Road	--	--
4.	39+315	T	--	Village Road (Towards Chimanzari)	--
5.	40+023	T	--	Driveway	--

S. No.	Existing km	Type of Junction	Name of Access Road		Remarks
			LHS	RHS	
6.	40+276	T	Local Road	--	--
7.	40+743	T	--	Village Road	--
8.	41+803	T	--	Local Road	--
9.	41+805	T	Local Road	--	--
10.	42+555	T	--	Local Road	--
11.	42+570	T	Local Road	--	--
12.	42+627	T	--	Local Road	--
13.	42+730	T	--	Local Road	--
14.	43+196	T	--	Village	--
15.	43+548	T	Village Road	--	--
16.	44+370	T	--	Jasapur	--
17.	44+840	T	Local Road (Astha Road)	--	--
18.	46+475	T	Barbadi	--	--
19.	46+740	T	Local Road	--	--
20.	49+170	+	Kandhali	Sindhi	--
21.	50+216	T	--	Kandli	--
22.	50+476	T	Village Road (Towards Rannagar)	--	--
23.	50+836	T	--	Chakur	--
24.	51+524	T	Village Road	--	--
25.	51+525	T	--	Village Road	--
26.	53+345	T	Khandala	--	--
27.	54+015	T	--	Village (Towards Rampur)	--
28.	55+510	T	--	Hadgaon	--
29.	55+934	T	Govind Pur	--	--
30.	57+297	+	Local Road	Local Road	--
31.	57+994	T	--	Haladgaon	--
32.	58+096	T	Local Road (Towards Ajda)	--	--
33.	59+252	T	Local Road	--	--
34.	59+285	T	--	Local Road	--
35.	59+675	T	--	Local Road	--
36.	60+798	T	--	Shedgaon	--
37.	62+464	T	Local Road	--	--
38.	62+580	T	Local Road	--	--
39.	62+714	Y	Local Road	--	--
40.	62+744	Y	Local Road	--	--
41.	62+795	T	--	Local Road	--
42.	62+888	T	Local Road	--	--
43.	63+366	T	Local Road	--	--
44.	63+391	T	Local Road	--	--
45.	63+404	T	--	Local Road	--
46.	63+417	T	Local Road	--	--
47.	63+444	T	Local Road	--	--
48.	63+446	T	--	Local Road	--
49.	63+472	T	Local Road	--	--
50.	64+353	Y	--	Local Road	--
51.	67+070	T	--	Ubdha Village	PUP with Service/Slip Road
52.	67+092	T	Ubda	--	
53.	67+805	T	--	Ubdha Village	--
54.	67+830	T	Local Road	--	--
55.	69+131	T	--	Ajanti Village	--

S. No.	Existing km	Type of Junction	Name of Access Road		Remarks
			LHS	RHS	
56.	70+031	T	Chichghat	--	--
57.	71+034	T	Industrial Area	--	--
58.	71+248	T	--	Ajanti Village	--
59.	72+041	T	--	Local Road	--
60.	72+116	T	--	Local Road	--
61.	72+276	T	--	Local Road	--
62.	72+475	T	--	Local Road	--
63.	72+693	T	Local Road	--	--
64.	72+902	T	--	Local Road	--
65.	73+016	T	--	Local Road	--
66.	73+100	T	Savitribai Nagar	--	--
67.	73+234	T	--	Local Road	--
68.	73+320	T	Local Road	--	--
69.	73+373	T	--	Local Road	--
70.	73+465	T	--	Local Road	--
71.	73+520	T	--	Local Road	--
72.	73+572	T	--	Local Road	--
73.	73+575	T	Local Road	--	--
74.	73+656	T	--	Local Road	--
75.	73+677	T	--	Local Road	--
76.	73+763	T	--	Local Road	--
77.	73+773	T	Local Road	--	--
78.	73+950	T	Local Road	--	--
79.	74+045	T	--	Local Road	--
80.	74+130	Y	--	Village Road	--
81.	74+296	T	--	Local Road	--
82.	74+325	T	Local Road	--	PUP with Service/Slip Road
83.	74+340	T	Local Road	--	--
84.	74+382	T	Local Road	--	--
85.	74+703	T	Local Road	--	--
86.	74+842	T	Local Road	--	--
87.	74+886	T	--	Local Road	--
88.	74+928	T	--	Local Road	--
89.	74+975	T	Local Road	--	--
90.	74+990	T	--	Local Road	--
91.	75+162	T	--	Local Road	--
92.	75+202	T	--	Local Road	--
93.	75+342	T	Local Road	--	--
94.	75+435	T	Local Road	--	--
95.	75+536	T	--	Local Road	--
96.	75+730	T	--	Local Road	--
97.	75+800	T	--	Local Road	--
98.	75+870	T	--	Local Road	--
99.	75+922	T	--	Local Road	--
100.	75+956	T	Local Road	--	--
101.	75+974	T	--	Local Road	--
102.	76+080	T	--	Hinganghat City	--
103.	76+126	T	--	Local Road	PUP with Service/Slip Road
104.	76+299	T	Local Road	--	--
105.	76+430	T	--	Local Road	--
106.	76+523	T	Village Road	--	--
107.	76+571	T	Village Road	--	--
108.	76+640	T	Village Road	--	PUP with Service/Slip Road
109.	76+678	T	--	Hinganghat City	--
110.	76+727	T	Local Road	--	--
111.	76+806	T	Local Road	--	--
112.	76+989	T	--	Hinganghat City	--
113.	77+091	T	--	Hinganghat City	--
114.	77+316	T	--	Local Road	--
115.	78+463	T	Local Road	--	--
116.	79+734	Y	--	Wardha	--
117.	80+000	Y	--	Wardha	--
118.	80+934	T	--	Village Road	--
119.	80+990	T	--	Vari/Alipur road	--

S. No.	Existing km	Type of Junction	Name of Access Road		Remarks
			LHS	RHS	
120.	81+554	T	Driveway	--	--
121.	82+178	T	--	Driveway	--
122.	82+665	T	Village Road	--	--
123.	82+693	T	Village Road	--	--
124.	82+721	T	Village Road	--	PUP with Service/Slip Road
125.	82+904	T	--	Anjangaon	--
126.	85+000	T	Village Road kutki	--	PUP with Service/Slip Road
127.	85+055	T	Village Road kutki	--	--
128.	85+112	T	Village Road kutki	--	--
129.	85+176	T	Village Road kutki	--	--
130.	85+268	T	Village Road kutki	--	--
131.	85+288	T	--	Arvi-Hinganghat Rd	--
132.	86+587	T	--	Village Road	--
133.	86+663	T	--	Village Road	--
134.	86+743	T	--	Village Road	--
135.	86+821	T	--	Village Road	--
136.	86+882	T	--	Village Road	--
137.	89+742	T	--	Village Road Daroda	--
138.	89+916	T	--	Village Road Daroda	--
139.	90+000	T	--	Village Road Daroda	PUP with Service/Slip Road
140.	90+302	T	Kemba	--	--
141.	90+318	T	--	Village Road Daroda	--
142.	94+196	T	Temba	--	--
143.	94+218	T	--	Village Road Wadner	--
144.	94+243	T	--	Village Road Wadner	†
145.	94+348	T	--	Village Road Wadner	PUP with Service/Slip Road
146.	94+768	T	Police Station	--	--
147.	94+856	T	Village Road Wadner	--	--
148.	95+007	T	--	Village Road Wadner	--
149.	95+140	T	Village Road Wadner	--	--
150.	95+256	T	Village Road Wadner	--	--
151.	97+520	T	Gangapur	--	--
152.	98+510	T	--	Village Road	--
153.	99+233	T	Local Road	--	--
154.	99+548	T	--	Village Road Pipri	--
155.	99+640	T	Veni	--	PUP with Service/Slip Road
156.	99+722	T	--	Village Road Pipri	--
157.	99+743	Y	Village Road Pipri	--	--
158.	99+865	T	Village Road Pipri	--	--
159.	100+166	T	--	Hirapur Pipri Rd	--
160.	102+518	T	--	Bopapur	--
161.	104+443	T	Veni	--	--
162.	105+157	T	--	Village Road Pohana	PUP with Service/Slip Road
163.	105+479	T	--	Village Road Pohana	--
164.	105+515	T	Sasti	--	--
165.	107+480	T	Village Road	--	--
166.	107+583	T	--	Driveway	--
167.	108+730	T	Yerla	--	--
168.	110+201	T	--	Karegaon	--
169.	112+861	T	Zullar	--	VUP with Service/Slip Road
170.	113+140	T	Local Road	--	--
171.	113+171	T	Local Road	--	--
172.	113+196	T	Local Road	--	--
173.	113+224	T	--	Village Road Wadki	--
174.	113+226	T	Village Road Wadki	--	--
175.	113+292	T	--	Village Road	--
176.	113+300	T	Village Road Wadki	--	--
177.	113+347	T	Village Road Wadki	--	--
178.	113+367	T	Local Road	--	--

S. No.	Existing km	Type of Junction	Name of Access Road		Remarks
			LHS	RHS	
179.	113+370	T	Village Road Wadki	--	--
180.	113+422	T	Village Road Wadki	--	--
181.	115+440	T	--	Village Road Bori	--
182.	115+468	T	--	Village Road Bori	--
183.	115+501	T	--	Village Road Bori	PUP with Service/Slip Road
184.	115+556	T	--	Village Road Bori	--
185.	115+605	T	--	Z.P. Primary School Bori	--
186.	115+650	T	--	Village Road	--
187.	117+315	T	--	Gadeghat	--
188.	118+565	T	--	Kinhi Jawade	--
189.	119+480	T	Mangi	--	--
190.	122+467	T	Dahegan	--	--
191.	122+630	T	--	Village Road/Deodhari	--
192.	123+425	T	--	Village/ Deodhari	--
193.	125+578	T	Village	--	--
194.	127+495	Y	Village	--	--
195.	128+720	T	--	Munzala	--
196.	128+830	T	Village	--	PUP with Service/Slip Road
197.	129+535	+	Sonorli	Savarkleda	Median Opening
198.	129+725	T	--	Other Road	--
199.	130+147	+	Adni	Adni	PUP with Service/Slip Road
200.	131+295	Y	Surdevi	--	--
201.	132+480	T	--	Rural Hospital Road	--
202.	132+620	T	--	Rural Hospital Road	--
203.	133+020	T	--	Karanji Village Road	--
204.	133+120	Y	--	Karanji Village Road	--
205.	133+200	T	--	Karanji Village Road	--
206.	133+240	T	--	Karanji Village Road	PUP with Service/Slip Road
207.	133+300	T	--	Karanji Village Road	--
208.	133+340	T	--	Karanji Village Road	--
209.	133+365	T	--	Karanji Village Road	--
210.	133+375	T	--	Karanji Village Road	--
211.	133+450	T	--	Karanji Village Road	--
212.	133+550	T	--	Karanji Village Road	--
213.	133+585	T	Dhoki	--	--
214.	133+670	T	--	Karanji Village Road	--
215.	134+420	Y	--	Village Road	--
216.	135+290	T	Mangi	--	Median Opening
217.	137+865	+	Dharna	Wadhona	PUP with Service/Slip Road
218.	139+215	T	--	Sakhi BK	--
219.	139+975	T	Sakhra	--	--
220.	140+005	T	Sakhra	--	--
221.	140+125	T	Sakhra	--	--
222.	140+185	T	Sakhra	--	--
223.	140+910	T	Village Road	--	--
224.	141+390	T	Village Road	--	--
225.	142+155	Y	Bhagod	--	Median Opening
226.	143+150	Y	Niljai	--	--
227.	143+765	Y	Khair-gaon Bk	--	--
228.	144+000	T	--	Village Road	--
229.	144+105	T	--	Village Road	--
230.	145+685	Y	Village Road	--	--
231.	147+610	T	--	Village Road	--
232.	147+660	T	--	Village Road	--
233.	147+667	T	Village Road	--	--
234.	147+715	T	Village Road	--	--
235.	147+730	T	--	Village Road	--
236.	148+068	T	Village Road	--	--
237.	148+141	T	Village Road	--	--
238.	148+655	T	Botoni	--	Median Opening
239.	148+912	T	--	Village Road	PUP with Service/Slip Road
240.	148+915	T	Village Road	--	--

S. No.	Existing km	Type of Junction	Name of Access Road		Remarks
			LHS	RHS	
241.	149+060	T	Village Road	--	--
242.	149+1010*	+	Village Road	Ghatanji / Dongargaon	--
243.	150+113	T	--	Ganeshpur	--
244.	150+347	T	--	Village Road	--
245.	153+094	T	--	Village Road	--
246.	153+160	T	Village Road	--	--
247.	153+271	T	Village Road	--	--
248.	153+307	Y	--	Temple	--
249.	153+511	T	--	Village Road	--
250.	155+442	T	--	Village & Road	--
251.	155+500	T	Village Road	--	--
252.	156+170	T	--	Village Road	--
253.	157+710	T	--	Village Road	PUP with Service/Slip Road
254.	157+735	T	--	Village Road	--
255.	157+764	T	--	Village Road	--
256.	158+540	Y	Village Road	--	--
257.	159+015	T	Village Road	--	PUP with Service/Slip Road
258.	159+375	T	Village Road (Towards Ballarpur)	--	--
259.	160+930	T	--	Village Road	--
260.	162+185	T	--	Village Road	--
261.	165+516	Y	--	Village Road	--
262.	166+960	T	--	Local Village Road	--
263.	167+015	Y	Village Road	--	+
264.	169+391	+	Patan Bori	Andar Bori	PUP with Service/Slip Road
265.	170+035	T	Village Road	--	--
266.	170+088	T	--	Village Road	--
267.	171+925	T	Border Check Post	--	--
268.	172+051	Y	--	Border Check Post	--
269.	172+343	Y	Border Check Post	--	--
270.	172+470	Y	--	Border Check Post	--
271.	174+500	Y	--	Joining SH-234	--
272.	174+985	Y	--	Village Road	--

8. BUS BAYS/BUS SHELTERS

The details of existing Bus Bays with & without Bus Shelters and only Shelters on the Project Highway are given in table below

S. No.	Existing km	Side	Separator Island	Type	Remarks
1.	37+806	RHS	No	Bus Bay with Bus Shelter	--
2.	37+887	LHS	No	Bus Bay with Bus Shelter	--
3.	39+260	RHS	No	Bus Bay with Bus Shelter	Shelter is on Junction of Side road & MCW
4.	39+377	LHS	No	Bus Bay without Bus Shelter	--
5.	42+482	RHS	No	Bus Bay without Bus Shelter	--
6.	42+496	LHS	No	Bus Bay without Bus Shelter	--
7.	44+290	RHS	No	Bus Bay with Bus Shelter	Shelter is on Junction of Side road & MCW
8.	44+434	LHS	No	Bus Bay without Bus Shelter	--
9.	44+770	RHS	No	Bus Bay without Bus Shelter	--
10.	44+912	LHS	No	Bus Bay without Bus Shelter	--
11.	46+539	LHS	No	Bus Bay without Bus Shelter	--
12.	46+557	RHS	No	Bus Bay without Bus Shelter	--
13.	49+078	RHS	No	Bus Bay without Bus Shelter	--
14.	49+250	LHS	No	Bus Bay without Bus Shelter	--
15.	50+225	LHS	No	Bus Bay without Bus Shelter	No Bus Bay Road Marking
16.	51+455	LHS	No	Bus Bay without Bus Shelter	--
17.	51+455	RHS	No	Bus Bay without Bus Shelter	--
18.	53+315	RHS	No	Bus Bay without Bus Shelter	--
19.	53+426	LHS	No	Bus Bay without Bus Shelter	--
20.	55+446	RHS	No	Bus Bay without Bus Shelter	--

S. No.	Existing km	Side	Separator Island	Type	Remarks
21.	55+562	LHS	No	Bus Bay without Bus Shelter	--
22.	58+042	RHS	No	Bus Bay without Bus Shelter	--
23.	58+150	LHS	No	Bus Bay without Bus Shelter	--
24.	59+380	RHS	No	Bus Bay without Bus Shelter	--
25.	59+555	LHS	No	Bus Bay without Bus Shelter	--
26.	63+520	RHS	No	Bus Bay without Bus Shelter	No Bus Bay Road Marking
27.	63+666	LHS	No	Bus Bay without Bus Shelter	No Bus Bay Road Marking
28.	67+678	LHS	No	Bus Bay with Bus Shelter	--
29.	67+678	RHS	No	Bus Bay with Bus Shelter	--
30.	71+395	LHS	No	Bus Bay with Bus Shelter	--
31.	71+395	RHS	No	Bus Bay with Bus Shelter	--
32.	73+796	RHS	No	Bus Shelter on Service Road	--
33.	82+295	LHS	No	Bus Bay with Bus Shelter	--
34.	82+296	RHS	No	Bus Bay with Bus Shelter	Shelter roof damaged
35.	85+642	LHS	No	Bus Bay with Bus Shelter	--
36.	85+690	RHS	No	Bus Bay with Bus Shelter	--
37.	90+840	RHS	No	Bus Bay with Bus Shelter	--
38.	90+840	LHS	No	Bus Bay with Bus Shelter	--
39.	94+393	LHS	No	Bus Shelter	On Service Road
40.	95+526	RHS	No	Bus Shelter	On Service Road
41.	99+250	LHS	No	Bus Bay with Bus Shelter	At Start of Service Road
42.	99+611	RHS	No	Bus Shelter	On Service Road

43.	105+060	LHS	No	Bus Shelter	On Service Road Shelter roof damaged
44.	105+150	RHS	No	Bus Shelter	On Service Road
45.	113+067	RHS	No	Bus Shelter	On Service Road/Shelter roof damaged
46.	113+067	LHS	No	Bus Shelter	On Service Road
47.	115+471	LHS	No	Bus Shelter	On Service Road
48.	115+543	RHS	No	Bus Shelter	On Service Road
49.	123+520	LHS	Yes	Bus Bay with Bus Shelter	Shelter is without Roof
50.	123+520	RHS	Yes	Bus Bay with Bus Shelter	Shelter is without Roof
51.	127+395	RHS	Yes	Bus Bay with Bus Shelter	Damaged Shelter
52.	127+585	LHS	Yes	Bus Bay with Bus Shelter	Damaged Shelter
53.	129+435	RHS	Yes	Bus Bay with Bus Shelter	Shelter is without Roof
54.	129+500	LHS	Yes	Bus Bay with Bus Shelter	Shelter is without Roof
55.	133+594	LHS	No	Bus Bay with Bus Shelter	On Service Road
56.	133+710	RHS	No	Bus Bay with Bus Shelter	On Service Road & Shelter is without Roof
57.	135+380	RHS	Yes	Bus Bay with Bus Shelter	Damaged Shelter
58.	135+400	LHS	Yes	Bus Bay with Bus Shelter	Damaged Shelter
59.	142+070	RHS	Yes	Bus Bay with Bus Shelter	Shelter is without Roof
60.	142+255	LHS	Yes	Bus Bay with Bus Shelter	Shelter is without Roof
61.	153+105	RHS	No	Bus Shelter	On service road
62.	153+150	LHS	No	Bus Shelter	On service road
63.	156+133	RHS	No	Bus Bay with Bus Shelter	--
64.	156+265	LHS	No	Bus Bay with Bus Shelter	--
65.	157+637	LHS	No	Bus Shelter	On service road
66.	157+637	RHS	No	Bus Shelter	On service road

S. No.	Existing km	Side	Separator Island	Type	Remarks
67.	159+108	RHS	No	Bus Bay with Bus Shelter	--
68.	159+110	LHS	No	Bus Bay with Bus Shelter	--
69.	160+862	RHS	No	Bus Bay with Bus Shelter	--
70.	162+163	RHS	No	Bus Bay with Bus Shelter	--
71.	162+260	LHS	No	Bus Bay with Bus Shelter	--
72.	165+285	RHS	No	Bus Bay with Bus Shelter	--
73.	165+360	LHS	No	Bus Bay with Bus Shelter	--
74.	167+061	RHS	No	Bus Bay with Bus Shelter	--
75.	167+061	LHS	No	Bus Bay with Bus Shelter	--
76.	169+593	LHS	No	Bus Shelter	On service road
77.	169+716	RHS	No	Bus Shelter	On service road
78.	174+861	RHS	No	Bus Shelter	On service road
79.	174+944	LHS	No	Bus Bay with Bus Shelter	--

9. TRUCK LAY BYE

The details of existing Truck Lay Bys on the Project Highway are given in table below

S. No.	Existing km		Side	Pavement Type
	From	To		
1	68+240	68+440	RHS	Rigid Pavement
2	83+200	83+400	RHS	Rigid Pavement
3	111+950	112+090	LHS	Bituminous
4	112+135	112+320	RHS	Bituminous
5	138+270	138+470	LHS	Bituminous
6	138+360	138+560	RHS	Bituminous

10. ROAD FURNITURE

The following Road Furnitures are present at site:

- i. Solar Blinker
- ii. Street Lights at Toll Plaza
- iii. Street Lights
- iv. Highmast Lights
- v. Safety Barrier

W-Beam Safety Barrier

Double W- Beam on Single Post (on one side) Safety Barrier

- vi. Concrete Crash Barrier on Approaches of Grade Separated structures and Cross drainage structures Rigid
- vii. Guard Posts / Delineators
- viii. Pedestrian Guard Rails
- ix. Road Marking
- x. Road Signages

11. OTHER PROJECT FACILITIES

Other facilities on Project Highway like Rest areas, ATMS, Traffic Aid Post, Medical Aid Post etc. are mentioned in table below

S. No.	Particular	Details
1.	Rest Area	Nil
2.	Rain Water Harvesting	Nil
3.	ATMS/HTMS	Nil
4.	Traffic Aid Post and Medical Aid Post	<ol style="list-style-type: none"> 1. Daroda Toll Plaza: Dedicated rooms available but equipments are not present. 2. Kelapur Toll Plaza: Nil

12. DRAINS

Details of existing RCC drains shoulder side and in median on Project Highway are given below.

RCC Drain on Shoulder Side/Outer Edge of Service Road/Slip road

RCC Drain on Shoulder Side/Outer Edge of Service Road/Slip road

S. No.	Existing km		Length (m)		Remark
	From	To	LHS	RHS	
1.	42+580	42+887	-	307	RCC Covered Drain
2.	62+492	62+933	441	-	
3.	62+493	63+430	-	937	
4.	63+000	63+497	497	-	
5.	64+550	64+663	-	113	RCC Open Drain
6.	72+060	76+345	-	4285	RCC Covered Drain
7.	72+700	76+345	3645	-	(75+750 to 75+960 & 76+920 to 76+985 NO COVER)
8.	76+410	78+500	-	2090	
9.	76+410	78+500	2090	-	
10.	82+569	82+978	409	-	RCC Open Drain along Service Road Between MCW and Service Road
11.	84+909	85+301	392	-	
12.	86+533	86+978	-	445	
13.	89+682	90+400	-	718	
14.	89+874	89+914	-	40	RCC Open Drain on outer edge of Service Road
15.	91+100	92+100	1000	-	RCC Covered Drain along Carriageway Shoulder
16.	92+469	92+526		57	RCC Covered Drain along Toll Plaza
17.	92+474	92+520	46	-	
18.	94+128	94+478	350	-	RCC Covered Drain
19.	94+498	95+100	602	-	
20.	95+175	95+213	38	-	-
				-	RCC Covered Drain
21.	95+277	95+342	65	-	RCC Covered Drain

S. No.	Existing km		Length (m)		Remark	
	From	To	LHS	RHS		
22.	95+403	95+550	147	-	RCC Covered Drain	
23.	94+753	94+788	-	35		
24.	94+827	94+901	-	74		
25.	95+195	95+550	-	355	RCC Covered Drain	
26.	99+300	100+115	-	815	RCC Covered Drain	
27.	99+302	100+113	811	-		
28.	100+130	100+342	-	212		
29.	104+501	105+470	-	969		
30.	105+106	105+484	378	-		
31.	105+500	105+543	-	43		
32.	112+645	113+350	-	705		
33.	112+709	113+746	1037	-		
34.	115+301	115+848	-	547		
35.	115+445	115+558	113	-		
36.	124+985	125+300	315	-		
37.	125+500	125+875	375	-		
38.	125+865	126+230	-	365		
39.	128+850	128+910	-	60		
40.	128+890	128+920	30	-		
41.	130+030	130+140	-	110		
42.	130+160	130+240	-	80		
43.	130+160	130+240	80	-		RCC Covered Drain
44.	132+915	133+840	-	925		
45.	132+915	134+030	1115	-		
46.	137+842	137+890	48	-		
47.	137+910	138+000	-	90		
48.	139+895	140+180	285	-		
49.	147+530	147+870	340	-		
50.	147+585	147+840	-	255		
51.	147+980	149+180	1200	-		
52.	147+980	149+400	-	1420		
53.	152+975	153+529	554	-	-	
54.	152+980	153+503	-	523	RCC Drain	
55.	155+955	155+995	-	40	-	
56.	157+465	157+661	196	-	-	
57.	157+534	157+669	-	135	-	
58.	157+682	157+808	-	126	-	
59.	157+683	157+925	242	-	-	
60.	157+824	157+898	-	74	-	
61.	162+190	162+310	-	120	RCC Covered Drain	
62.	166+163	166+355	-	192	RCC Drain	
63.	169+280	169+377	-	97	RCC Covered Drain	
64.	169+282	169+373	91	-		
65.	169+392	169+604	212	-		
66.	169+395	169+582	-	187		
67.	173+341	173+493	152	-	RCC Open Drain	
68.	173+750	174+214	-	464	RCC Open Drain	
69.	174+732	174+770	-	38	RCC Covered Drain	
70.	174+780	174+970	-	190		
Total Length (m)			17296	18238		

Lined Drain in Median in Superelevated Section

S. No.	Existing km		Length (m)	Remark	
	From	To			
1.	75+950	76+330	380	Open Drain	
2.	76+421	76+927	506		
3.	78+745	79+100	355		
4.	79+675	79+852	177		
5.	80+767	80+960	193		
6.	89+186	89+325	139		
7.	93+350	93+393	43		
8.	121+115	121+280	165		
9.	151+362	151+782	420		
10.	154+695	154+815	120		
11.	166+095	166+140	45		
12.	166+165	166+202	37		
13.	168+989	169+129	140		
Total Length (m)			2720		

13. EXISTING MEDIAN OPENINGS

Details of existing median openings along the Project Highway are given below.

S. No.	Existing km	Length (m)	Reserve lane (Yes/No)	Remarks
1.	36+600	25	No	-
2.	37+823	20	No	Junction
3.	39+314	20	Yes (Towards Borkhedi Side)	Junction
4.	40+086	20	No	-
5.	41+746	20	No	-
6.	42+562	20	Yes (Both Side)	Junction
7.	42+705	25	Yes (Both Side)	Junction
8.	44+368	20	Yes (Towards Borkhedi Side)	Junction
9.	44+838	20	No	Junction
10.	46+475	20	No	Junction
11.	49+166	36	Yes (Both Side)	Junction
12.	50+195	20	Yes (Towards Borkhedi Side)	Junction
13.	50+475	20	No	Junction
14.	50+838	20	Yes (Towards Borkhedi Side)	Junction
15.	51+588	20	No	-

S. No.	Existing km	Length (m)	Reserve lane (Yes/No)	Remarks
16.	53+341	20	Yes (Towards Maharashtra/ Telangana Border side)	Junction
17.	55+513	20	Yes (Towards Borkhedi Side)	Junction
18.	57+300	30	No	Junction
19.	58+096	20	Yes (Towards Maharashtra/ Telangana Border side)	Junction
20.	59+450	30	Yes (Both Side)	Major Junction
21.	60+797	20	No	Junction
22.	62+466	20	No	Junction
23.	62+990	36	No	Major Junction
24.	63+143	25	No	Junction
25.	64+353	30	Yes (Both Side)	Junction
26.	68+847	30	Yes (Both Side)	-
27.	70+600	30	Yes (Both Side)	-
28.	72+676	30	Yes (Both Side)	-
29.	75+600	38	Yes (Both Side)	Junction
30.	75+670	30	Yes (Both Side)	Junction
31.	79+868	25	No	Junction
32.	81+548	30	Yes (Both Side)	Junction
33.	83+950	30	Yes (Both Side)	-
34.	85+952	30	Yes (Both Side)	-
35.	87+154	30	Yes (Both Side)	-
36.	89+538	30	Yes (Both Side)	-
37.	91+549	29	Yes (Both Side)	-
38.	93+152	30	Yes (Both Side)	-
39.	93+728	35	No	After Toll Plaza
40.	95+562	25	No	Junction
41.	99+024	25	Yes (Both Side)	-
42.	101+048	19	Yes (Both Side)	-
43.	102+550	20	Yes (Both Side)	Junction
44.	104+111	22	Yes (Both Side)	-
45.	106+657	20	Yes (Both Side)	-
46.	108+730	30	Yes (Both Side)	Junction
47.	110+853	20	Yes (Both Side)	-

S. No.	Existing km	Length (m)	Reserve lane (Yes/No)	Remarks
48.	114+1053*	20	Yes (Both Side)	-
49.	117+546	20	Yes (Both Side)	-
50.	121+750	20	Yes (Both Side)	-
51.	122+551	18	Yes (Both Side)	-
52.	123+425	18	Yes (Both Side)	Junction
53.	127+495	26	Yes (Both Side)	Junction
54.	129+535	22	Yes (Both Side)	Junction
55.	131+405	20	Yes (Both Side)	-
56.	135+290	18	No	Junction
57.	138+310	17	No	-
58.	139+465	25	No	Junction
59.	140+300	20	No	-
60.	141+203	18	No	-
61.	142+155	20	Yes (Both Side)	Junction
62.	143+150	24	No	Junction
63.	145+075	18	No	-
64.	145+735	30	Yes (Both Side)	Junction
65.	148+655	24	No	Junction
66.	149+220	60	Yes (Both Side)	Junction
67.	149+1010*	33	No	Junction
68.	150+108	18	No	Junction
69.	150+690	20	No	-
70.	152+440	26	No	-
71.	153+161	30	Yes (Both Side)	-
72.	155+443	15	No	Junction
73.	156+165	20	No	Junction
74.	159+299	15	No	-
75.	160+905	20	No	-
76.	162+190	20	No	Junction
77.	165+510	20	No	Junction
78.	167+000	20	No	Junction
79.	174+502	20	No	-
80.	174+985	25	No	-

14. PAVEMENT TYPE

Existing Pavement type along the Project Highway including Toll Plaza area is as below.

S. No.	Existing km		Pavement Type		Length (km)
	From	To	LHS	RHS	
1	36+600	92+415	Flexible (Bituminous)	Flexible (Bituminous)	55.815
2	92+415	92+470	Rigid (Cement Concrete) at Toll Plaza	Flexible (Bituminous)	0.055
3	92+470	92+525	Rigid (Cement Concrete) at Toll Plaza	Rigid (Cement Concrete) at Toll Plaza	0.055
4	92+525	92+576	Flexible (Bituminous)	Rigid (Cement Concrete) at Toll Plaza	0.051
5	92+576	175+000	Flexible (Bituminous)	Flexible (Bituminous)	82.174
