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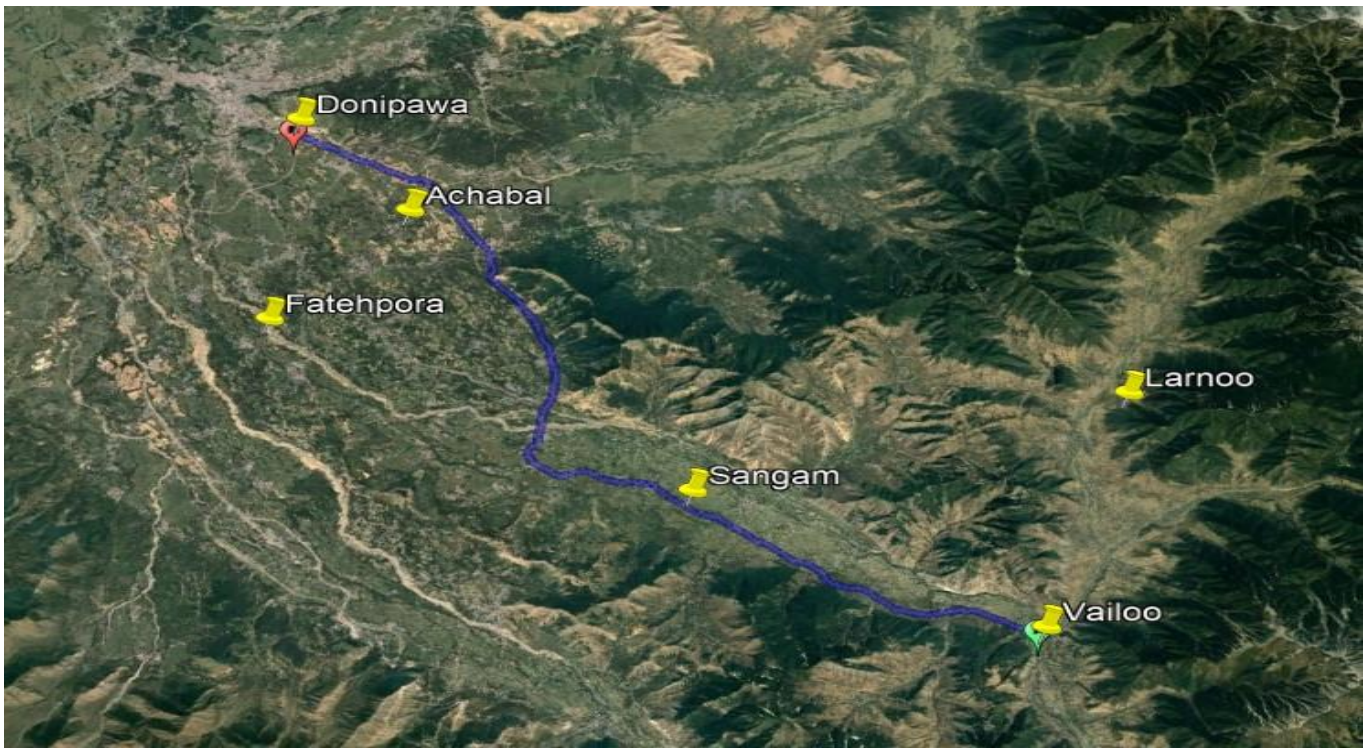
Consultancy Services for Preparation of Detailed Project Report for intermittent Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length on Khellani-Khanabal Section of NH-244 in the UT of Jammu and Kashmir.



Final Detailed Project Report

Vailoo to Donipawa on Khellani-Khanabal Section NH-244

August, 2025

Volume-I A: Annexure to Main Report

Prepared by:

Technocrat Advisory Services Pvt. Ltd
In association with
Space Engineers Consortium Pvt. Ltd

Engineering Survey, Material Investigation & Pavement Design

Annexure-4.1

ROAD INVENTORY DATA SHEET

Chainage		Terrain	Adjacent land use pattern		Village Name	Road Way Width	Carriageway		Median	Shoulder								local soil type	Details of Junctions	Drainage			Curves	Road Side Furniture					Details of Utilities EP / TP / OFC
From	To		Left	Right			Surface type	Width (m)	Width (m)	Left Type	Left Width	Right Type	Right Width	Left Type	Left Width	Right Type	Right Width		Type	PCC Drain	Earthen Drain	RCC Drain	LHC / RHC / SC / VC	KMS / HMS / Road Signs Left	KMS / HMS / Road Signs Right	Trees Left	Trees Right	
148+589	148+639	Rolling	Habitation	Forest	Vailoo	11	Flexible	7	0	ER	0	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T	0.8	_	_	RHC	P.S	_	TREES	_	OFC / PHE line/ EP
148+639	148+689	Rolling	Habitation	Forest	Vailoo	9.5	Flexible	7	0	ER	0	ER	1	Paved	1.5	Paved	0	Plain Alluvial origin Soil	_	0.8	_	_	LHC	_	_	TREES	_	OFC / PHE line/ EP

148+689	148+739	Rolling	Habitation	Forest	Vailoo	9.5	Flexible	7	0	ER	0	ER	1	Paved	1.5	Paved	0	Plain Alluvial origin Soil	–	0.8	–	–	–	–	–	–	–	–	OFC / PHE line/ EP
148+739	148+790	Rolling	Habitation	Forest	Vailoo	9.5	Flexible	7	0	ER	0	ER	1	Paved	1.5	Paved	0	Plain Alluvial origin Soil	–	0.8	–	–	–	–	–	–	–	–	OFC / PHE line/ EP
150+940	150+990	Rolling	Habitation	Habitation	Devalgam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	LHC	–	–	–	–	–	EP/PHE line
150+990	151+040	Rolling	Habitation	Habitation	Devalgam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T	–	0.8	–	–	–	–	–	–	–	EP/PHE line

151+040	151+090	Rolling	Habitation	Habitation	Devalgam	10.5	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	0	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/PHE line/Canal
151+090	151+140	Rolling	Habitation	Habitation	Devalgam	10.5	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	0	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/PHE line/Canal
151+140	151+190	Rolling	Habitation	Habitation	Devalgam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/PHE line
151+190	151+240	Rolling	Habitation	Habitation	Devalgam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T	–	0.8	–	–	–	Road Sign	–	–	EP/PHE line

151+690	151+740	Rolling	Habitation	Habitation	Wanigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	–
151+740	151+790	Rolling	Habitation	Habitation	Wanigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
151+790	151+840	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
151+840	151+890	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–

151+890	151+940	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
151+940	151+990	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H / M / S / PHE / E.P /
151+990	152+040	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H / M / S / PHE / E.P /
152+040	152+090	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H / M / S / PHE / E.P /

152+090	152+140	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H / M / S / PHE / E.P /
152+140	152+190	Rolling	Habitation	Habitation	Wanigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H / M / S / PHE / E.P /
152+190	152+240	Rolling	Habitation	Habitation	Wanigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H / M / S / PHE / E.P /
152+240	152+290	Rolling	Habitation	Habitation	Wanigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	LHC	–	–	–	–	H / M / S / PHE / E.P /

153+490	153+540	Rolling	Habitation	Habitation	Bindoo	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	RHC	CURVE / SPEED	–	–	–	–
153+540	153+590	Rolling	Habitation	Habitation	Bindoo	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
153+590	153+640	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
153+640	153+690	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–

153+690	153+740	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
153+740	153+790	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
153+790	153+840	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP
153+840	153+890	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–

153+890	153+940	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
153+940	153+990	Rolling	Habitation	Habitation	Bindoo	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
153+990	154+040	Rolling	Habitation	Habitation	Bindoo	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	RHC	TRANSTION CURVE	–	–	–	H / E.P
154+040	154+090	Rolling	Habitation	Habitation	Bindoo	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	LHC	MILESTONE	–	–	–	–

157+740	157+790	Rolling	Habitation	Habitation	Sagam To Kokernag	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	LHC / RHC	TRANSTION CURVE	–	–	–	–
157+790	157+840	Rolling	Habitation	Habitation	Sagam To Kokernag	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H /E.P / C
157+840	157+890	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H /E.P / C
157+890	157+940	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H /E.P / C

157+940	157+990	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H /E.P / C
157+990	158+040	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	H /E.P / C
158+040	158+090	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P / C
158+090	158+140	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P / C

158+140	158+190	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P / C
158+190	158+240	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P / C
158+240	158+290	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P / C
158+290	158+340	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P / C

158+340	158+390	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	MANDATORY SIGNS	–	–	–	PHE / E.P / C
158+390	158+440	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P / C
158+440	158+490	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	E.P / PHE
158+490	158+540	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	E.P / PHE

158+540	158+590	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	E.P / PHE
158+590	158+640	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	E.P / PHE
158+640	158+690	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / E.P
158+690	158+740	Rolling	Habitation	Habitation	Sagam To Kokernag	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–

158+890	158+840	158+790	158+740
158+910	158+890	158+840	158+790
Rolling	Rolling	Rolling	Rolling
Habitation	Habitation	Habitation	Habitation
Habitation	Habitation	Habitation	Habitation
Sagam To Kokernag	Sagam To Kokernag	Sagam To Kokernag	Sagam To Kokernag
13	13	12	12
Flexible	Flexible	Flexible	Flexible
8	8	7	7
0	0	0	0
ER	ER	ER	ER
1	1	1	1
ER	ER	ER	ER
1	1	1	1
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil
–	–	–	–
–	–	–	–
–	–	–	–
1.4x1	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–

160+440	160+490	Rolling	Habitation	Habitation	Buchoo To Tangpawa	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	PHE / EP
160+490	160+540	Rolling	Habitation	Habitation	Buchoo To Tangpawa	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / EP
160+540	160+590	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / EP
160+590	160+640	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–

160+640	160+690	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	_
160+690	160+740	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	RHC	_	_	EP / PHE
160+740	160+790	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	_
160+790	160+840	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	EP / PHE

160+840	160+890	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP / PHE
160+890	160+940	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	RHC	–	INFORMATION SIGN	–	–	EP / PHE
160+940	160+990	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
160+990	161+040	Rolling	Habitation	Habitation	Buchoo To Tangpawa	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–

161+040	161+090	Rolling	Habitation	Habitation	Buchoo To Tangpawa	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	–
161+090	161+140	Rolling	Habitation	Habitation	Buchoo To Tangpawa	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	–
163+740	163+790	Rolling	Habitation	Habitation	Arhama To Hiller	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T	–	0.8	–	–	–	–	–	–	EP/ PHE
163+790	163+840	Rolling	Habitation	Habitation	Arhama To Hiller	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/ PHE

163+84O	163+890	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/ PHE
163+890	163+940	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/ PHE
163+940	163+990	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/ PHE
163+990	164+040	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/ PHE

164+040	164+090	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP/ PHE
164+090	164+140	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP
164+140	164+190	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP
164+190	164+240	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP

164+240	164+290	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	EP
164+290	164+340	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	OFC
164+340	164+390	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T	–	0.8	–	–	–	–	–	–	–
164+390	164+440	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	–

164+440	164+490	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	–
164+490	164+540	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	PHE / EP
164+540	164+590	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	PHE / EP
164+590	164+640	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil		–	0.8	–	–	–	–	–	–	PHE / EP

164+640	164+690	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	PHE / EP
164+690	164+740	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	PHE / EP
164+740	164+790	Rolling	Habitation	Habitation	Arhama To Hiller	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	PHE / EP
164+790	164+840	Rolling	Habitation	Habitation	Arhama To Hiller	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	PHE / EP
164+840	164+890	Rolling	Habitation	Habitation	Arhama To Hiller	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	0.8	–	–	–	–	–	–	PHE / EP

166+990	167+040	Rolling	Habitation	Habitation	Azigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	PHE / EP
167+040	167+090	Rolling	Habitation	Habitation	Azigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	PHE / EP
167+090	167+140	Rolling	Habitation	Habitation	Azigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	PHE / EP
167+190	167+240	Rolling	Habitation	Habitation	Azigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	PHE / EP

167+290	167+340	Rolling	Habitation	Habitation	Azigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	PHE / EP
167+340	167+390	Rolling	Habitation	Habitation	Azigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		RHC	–	–	–	–	PHE / EP
167+390	167+440	Rolling	Habitation	Habitation	Azigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	PHE / EP
167+440	167+490	Rolling	Habitation	Habitation	Azigam	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	PHE / EP

167+490	167+540	Rolling	Habitation	Habitation	Azigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T	_	_		RHC	_	_	_	_	PHE / EP
167+540	167+590	Rolling	Habitation	Habitation	Azigam	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	1.4x1	RHC	_	_	_	_	PHE / EP
168+690	168+740	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	1.4x1	_	_	_	_	_	PHE / EP
168+740	168+790	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP

168+790	168+840	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP
168+840	168+890	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP
168+890	168+940	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP
168+940	168+990	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP

168+990	169+040	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / EP
169+040	169+090	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / EP
169+090	169+140	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / EP
169+140	169+190	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE / EP

169+190	169+240	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP
169+240	169+290	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP
169+290	169+340	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP
169+340	169+390	Rolling	Habitation	Habitation	Kalanag To Achabal Badoora	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	PHE / EP

169+540	169+490	169+440	169+390
169+590	169+540	169+490	169+440
Rolling	Rolling	Rolling	Rolling
Habitation	Habitation	Habitation	Habitation
Habitation	Habitation	Habitation	Habitation
Kalanag To Achabal Badoora	Kalanag To Achabal Badoora	Kalanag To Achabal Badoora	Kalanag To Achabal Badoora
12	12	12	12
Flexible	Flexible	Flexible	Flexible
7	7	7	7
0	0	0	0
ER	ER	ER	ER
1	1	1	1
ER	ER	ER	ER
1	1	1	1
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
PHE / EP	PHE / EP	PHE / EP	PHE / EP

169+740	169+690	169+640	169+590
169+790	169+740	169+690	169+640
Rolling	Rolling	Rolling	Rolling
Habitation	Habitation	Habitation	Habitation
Habitation	Habitation	Habitation	Habitation
Kalanag To Achabal Badoora	Kalanag To Achabal Badoora	Kalanag To Achabal Badoora	Kalanag To Achabal Badoora
13	13	12	12
Flexible	Flexible	Flexible	Flexible
8	8	7	7
0	0	0	0
ER	ER	ER	ER
1	1	1	1
ER	ER	ER	ER
1	1	1	1
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil
–	–	–	–
–	–	–	–
–	–	–	–
1.4x1	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
PHE / EP	PHE / EP	PHE / EP	PHE / EP

171+590	171+640	Rolling	Habitation	Habitation	Kulgarah To Achabal	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	EP
171+640	171+690	Rolling	Habitation	Habitation	Kulgarah To Achabal	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP
171+690	171+740	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP
171+740	171+790	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP

171+790	171+840	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	EP
171+840	171+890	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	EP
171+890	171+940	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	_	_	_	_	_	EP
171+940	171+990	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_	_	LHC	_	_	_	_	EP

171+990	172+040	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP
172+040	172+090	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP
172+090	172+140	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP
172+140	172+190	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP

172+190	172+240	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	LHC	–	–	–	–	PHE /EP
172+240	172+290	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE
172+290	172+340	Rolling	Habitation	Habitation	Kulgarah To Achabal	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE
172+340	172+390	Rolling	Habitation	Habitation	Kulgarah To Achabal	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	PHE

172+390	172+410	Rolling	Habitation	Habitation	Kulgarah To Achabal	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	PHE
173+890	173+940	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	RHC	–	–	–	–	EP, PHE
173+940	173+990	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
173+990	174+040	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		RHC, TC	Mandatory Signs	–	–	–	EP, PHE

174+040	174+090	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+090	174+140	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+140	174+190	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+190	174+240	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE

174+240	174+290	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+290	174+340	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+340	174+390	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+390	174+440	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE

174+440	174+490	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+490	174+540	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+540	174+590	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE
174+590	174+640	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE

174+640	174+690	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_		LHC	_	_	_	_	EP, PHE
174+690	174+740	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_		_	_	_	_	_	EP, PHE
174+740	174+790	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_		_	_	_	_	_	EP, PHE
174+790	174+840	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	_	_	_		_	_	_	_	_	EP, PHE

174+940	174+990	174+840	174+890
175+040	174+990	174+940	174+890
Rolling	Rolling	Rolling	Rolling
Habitation	Habitation	Habitation	Habitation
Habitation	Habitation	Habitation	Habitation
Bulbul Nowgam To Thajiwara	Bulbul Nowgam To Thajiwara	Bulbul Nowgam To Thajiwara	Bulbul Nowgam To Thajiwara
13	12	12	12
Flexible	Flexible	Flexible	Flexible
8	7	7	7
0	0	0	0
ER	ER	ER	ER
1	1	1	1
ER	ER	ER	ER
1	1	1	1
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Paved	Paved	Paved	Paved
1.5	1.5	1.5	1.5
Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil	Plain Alluvial origin Soil
–	–	–	–
–	–	–	–
–	–	–	–
LHC	–	–	TC, RHC
Mandatory Sign	–	–	–
–	–	–	–
–	–	–	–
–	–	–	–
EP, PHE	EP, PHE	EP, PHE	EP, PHE

175+040	175+090	Rolling	Habitation	Habitation	Bulbul Nowgam To Thajiwara	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	EP, PHE
176+390	176+440	Rolling	Habitation	Habitation	Dunipawa	12.5	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	EP, PHE
176+440	176+490	Rolling	Habitation	Habitation	Donipawa	11.5	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1	Plain Alluvial origin Soil	–	–	–	–	–	–	–	–	–	EP, PHE
176+490	176+532	Rolling	Habitation	Habitation	Dunipawa	12.5	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1	Plain Alluvial origin Soil	T	–	–	1.4x1	TC, RHC	–	–	–	–	EP, PHE

170+423	170+473	Rolling	Habitation	Habitation	Achabal Main Market	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	PHE
170+473	170+523	Rolling	Habitation	Habitation	Achabal Main Market	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–	1.4x1	–	–	–	–	–	PHE
170+523	170+573	Rolling	Habitation	Habitation	Achabal Main Market	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	EP, PHE, OFC
170+573	170+623	Rolling	Habitation	Habitation	Achabal Main Market	12	Flexible	7	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	–	–	–		–	–	–	–	–	PHE

170+623	170+673	Rolling	Habitation	Habitation	Achabal Main Market	14.48	Flexible	9.48	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T	_	_		LHC	_	_	_	_	PHE
170+673	170+730	Rolling	Habitation	Habitation	Achabal Main Market	13	Flexible	8	0	ER	1	ER	1	Paved	1.5	Paved	1.5	Plain Alluvial origin Soil	T, T	_	_	1.4x1	_	_	_	_	_	PHE

Annexure 4.2: Visual Pavement Survey

Chainage		Road Width			Ruts		Ravelling		Patchwork			Potholes			Upheaves		Length of Edge Break	Pavement Edge drop		Shoulder Condition
From	To		Length	Width	Length	Depth in mm	Length	Width	Nos	Length (m)	Width (m)	Nos	Length (m)	Width (m)	Length	Width		Left	Right	
148+589	148+639	11.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
148+639	148+689	9.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
148+689	148+739	9.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
148+739	148+790	9.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
150+940	150+990	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
150+990	151+040	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+040	151+090	10.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+090	151+140	10.50	-	-	-	-	-	-	1.00	1.50	1.00	-	-	-	-	-	-	-	-	GOOD
151+140	151+190	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+190	151+240	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	POOR
151+690	151+740	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+740	151+790	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+790	151+840	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

151+840	151+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+890	151+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+940	151+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
151+990	152+040	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
152+040	152+090	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
152+090	152+140	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
152+140	152+190	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
152+190	152+240	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
152+240	152+290	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+490	153+540	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+540	153+590	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+590	153+640	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+640	153+690	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+690	153+740	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+740	153+790	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+790	153+840	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+840	153+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+890	153+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
153+940	153+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

153+990	154+040	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
154+040	154+090	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
157+740	157+790	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
157+790	157+840	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
157+840	157+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
157+890	157+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
157+940	157+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
157+990	158+040	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+040	158+090	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+090	158+140	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+140	158+190	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+190	158+240	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+240	158+290	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+290	158+340	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+340	158+390	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+390	158+440	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+440	158+490	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+490	158+540	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+540	158+590	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

158+590	158+640	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+640	158+690	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+690	158+740	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+740	158+790	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+790	158+840	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+840	158+890	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
158+890	158+910	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+440	160+490	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+490	160+540	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+540	160+590	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+590	160+640	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+640	160+690	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+690	160+740	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+740	160+790	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+790	160+840	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+840	160+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+890	160+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+940	160+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
160+990	161+040	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

161+040	161+090	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
161+090	161+140	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
163+740	163+790	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
163+790	163+840	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
163+84O	163+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
163+890	163+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
163+940	163+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
163+990	164+040	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+040	164+090	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+090	164+140	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+140	164+190	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+190	164+240	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+240	164+290	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+290	164+340	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+340	164+390	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+390	164+440	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+440	164+490	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+490	164+540	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+540	164+590	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

164+590	164+640	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+640	164+690	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+690	164+740	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+740	164+790	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+790	164+840	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
164+840	164+890	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
166+990	167+040	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+040	167+090	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+090	167+140	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+190	167+240	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+290	167+340	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+340	167+390	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+390	167+440	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+440	167+490	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+490	167+540	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
167+540	167+590	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
168+690	168+740	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
168+740	168+790	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
168+790	168+840	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

168+840	168+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
168+890	168+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
168+940	168+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
168+990	169+040	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+040	169+090	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+090	169+140	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+140	169+190	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+190	169+240	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+240	169+290	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+290	169+340	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+340	169+390	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+390	169+440	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+440	169+490	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+490	169+540	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+540	169+590	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+590	169+640	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+640	169+690	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+690	169+740	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
169+740	169+790	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

171+590	171+640	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+640	171+690	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+690	171+740	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+740	171+790	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+790	171+840	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+840	171+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+890	171+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+940	171+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
171+990	172+040	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+040	172+090	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+090	172+140	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+140	172+190	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+190	172+240	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+240	172+290	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+290	172+340	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+340	172+390	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
172+390	172+410	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
173+890	173+940	13.00	-	-	-	-	-	-	-	-	-	2.00	0.50	0.50	-	-	-	-	-	GOOD
173+940	173+990	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

173+990	174+040	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+040	174+090	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+090	174+140	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+140	174+190	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+190	174+240	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+240	174+290	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+290	174+340	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+340	174+390	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+390	174+440	12.00	-	-	-	-	-	-	-	-	-	2.00	0.50	0.50	-	-	-	-	-	GOOD
174+440	174+490	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+490	174+540	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+540	174+590	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+590	174+640	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+640	174+690	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+690	174+740	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+740	174+790	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+790	174+840	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+840	174+890	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+890	174+940	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

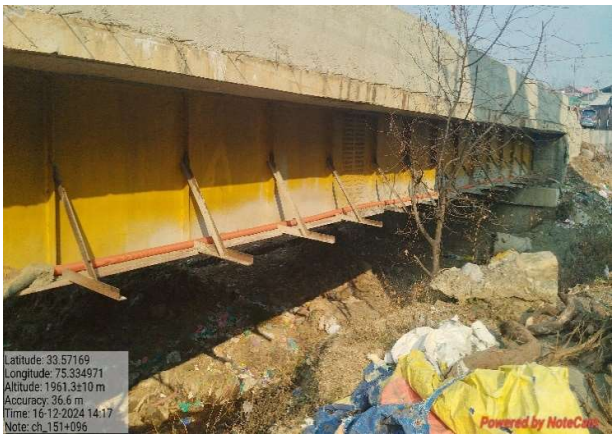
174+940	174+990	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
174+990	175+040	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
175+040	175+090	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
176+390	176+440	12.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
176+440	176+490	11.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
176+490	176+532	12.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
170+423	170+473	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
170+473	170+523	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
170+523	170+573	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
170+573	170+623	12.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
170+623	170+673	14.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD
170+673	170+730	13.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	GOOD

Annexure-4.7

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	151+096
Type of Structures	Minor
Year of Construction	-
Dates of inventory	14-12-2024

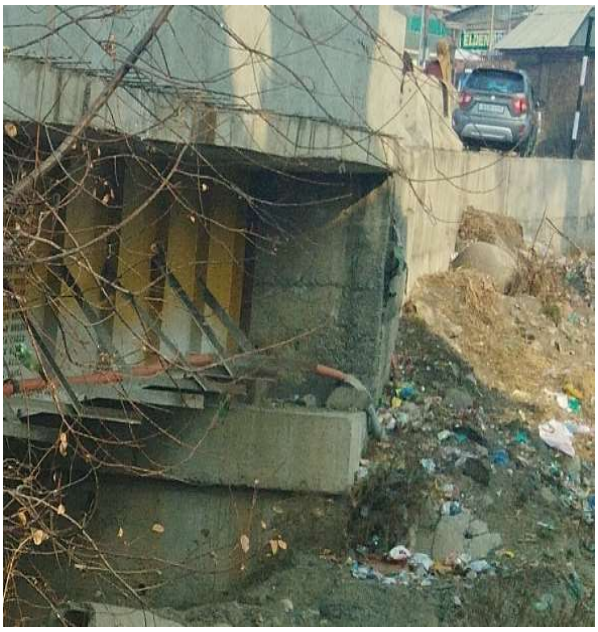


B) Waterways & Protection Works:

Name of River Water Body/Bridge	Nala bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Any mark of Flood Gauge	1.5m above ground level
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Flow pattern	Meandering
Erosion of Banks	No
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	No
Guide Bunds	No

C) Salient Features & Conditions of Different Components:

Span Arrangement	1x30m
Distance between C to C of Expansion Joint	30
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.5m
Carriageway Width	7m
Footpath Width	1.5m b/s
Whether Footpath is raised or at grade	At Grade
Whether the Footpath is one-sided or both-sided	Both sides
Parapet width	0.45m
Parapet height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
Skew angle if any	No
superstructure type	RCC T-G
No of Longitudinal Girders	1
No of Cross Girders	-
Condition of Superstructures	Good
Type of Abutment	Solid wall type
Type of Pier	-
Substructures Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	GOOD
Condition of Foundations	Good
Type of Bearings	Elastomeric Bearings

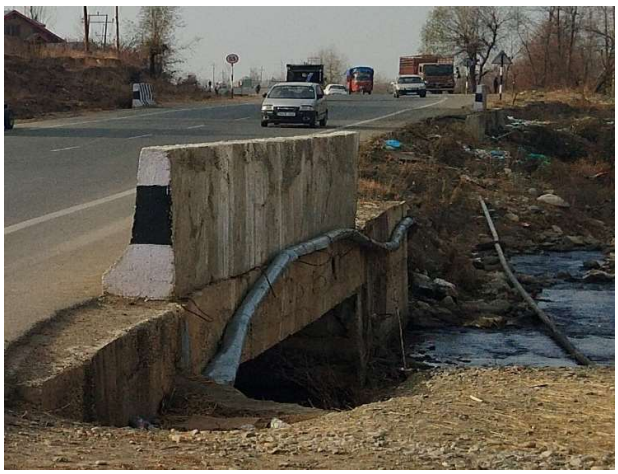


Condition of Bearings	Good
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	Dirtiness/soiled
Type of Wearing Coat	Bituminous
Condition of Wearing Coat	Good
Drainage Spouts	Yes
Condition of Drainage Spouts	Average
Weep holes	Yes
Condition of weep holes	Fair
Approach slab	Yes
Condition of approach slab	Good
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Average

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	158+061
Type of Structures	Minor
Year of Construction	-
Dates of inventory	14-12-2024



B) Waterways & Protection Works:

Name of River Water Body/Bridge	Nala bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Any mark of Flood Gauge	1.5m above ground level
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Erosion of Banks	Yes
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	No
Guide Bunds	No

C) Salient Features & Conditions of Different Components:

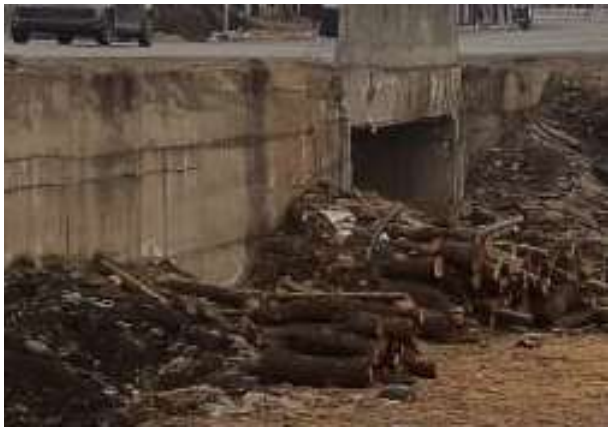
Span Arrangement	1x10m
Distance between C to C of Expansion Joint	10
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.4m
Carriageway Width	8.3m
Footpath Width	3m b/s
Whether Footpath is raised or at grade	-
Whether the Footpath is one-sided or both-sided	-
Parapet width	0.45m
Parapet height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
Skew angle if any	No
FRL from lowest bed level	.6m
Condition of Superstructures	Average
Type of Abutment	Solid wall type
Substructures Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	Good
Condition of Foundations	Good
Type of Bearings	-
Condition of Bearings	-
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	-
Type of Wearing Coat	Bituminous

Condition of Wearing Coat	Good
Drainage Spouts	No
Condition of Drainage Spouts	-
Weep holes	-
Condition of weep holes	-
Approach slab	-
Condition of approach slab	Good
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Average

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	163+790
Type of Structures	Minor
Year of Construction	-
Dates of inventory	14-12-2024



B) Waterways & Protection Works:

Name of River Water Body/Bridge	Nala bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Any mark of Flood Gauge	1.5m above ground level
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Erosion of Banks	No
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	Yes
Scour in River Bed	No
Guide Bunds	No

C) Salient Features & Conditions of Different Components:

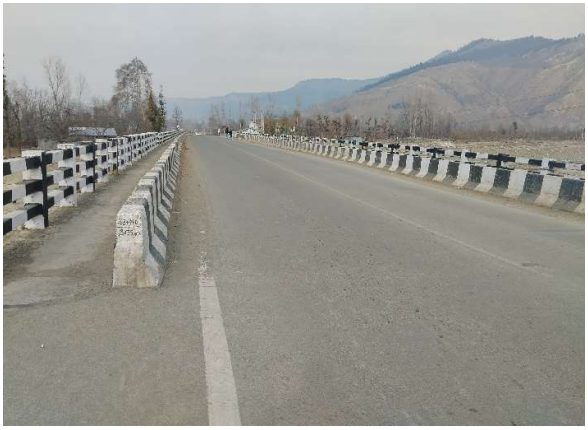
Span Arrangement	1x10m
Distance between C to C of Expansion Joint	10
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.9m
Carriageway Width	8.7m
Footpath Width	-
Whether Footpath is raised or at grade	-
Whether the Footpath is one-sided or both-sided	-
Parapet width	0.45m
Parapet height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
Skew angle if any	No
FRL from lowest bed level	1.5m
Condition of Superstructures	Spalling
Type of Abutment	Solid wall type
Substructures Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	Good
Condition of Foundations	Good
Type of Bearings	-
Condition of Bearings	-
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	-
Type of Wearing Coat	Bituminous

Condition of Wearing Coat	Good
Condition of Railing	Good
Drainage Spouts	No
Condition of Drainage Spouts	-
Weep holes	-
Condition of weep holes	-
Approach slab	-
Condition of approach slab	Good
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Average

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	164+090
Type of Structures	River Bridge
Year of Construction	2002
Dates of inventory	

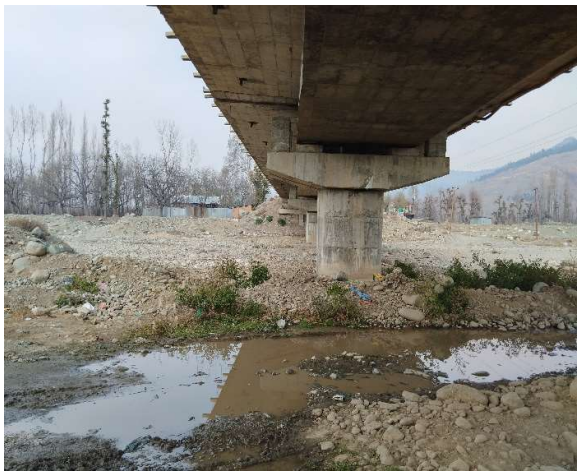


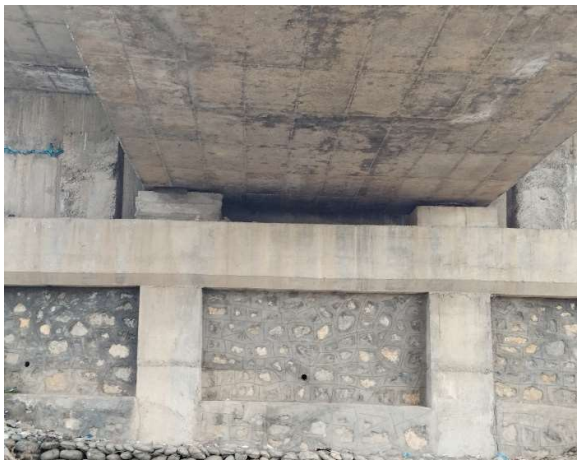
B) Waterways & Protection Works:

Name of River Water Body/Bridge	Bringi
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Any mark of Flood Gauge	-
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Flow pattern	Meandering
Erosion of Banks	Yes
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	Yes
Guide Bunds	No

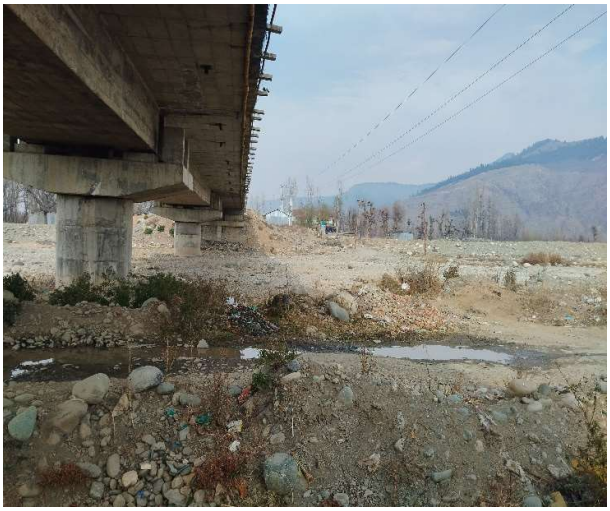
C) Salient Features & Conditions of Different Components:

Span Arrangement	3x35 m
Distance between C to C of Expansion Joint	35
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.3m
Carriageway Width	7m
Footpath Width	1.5m b/s
Whether Footpath is raised or at grade	-
Whether the Footpath is one-sided or both-sided	Both sides
Railing width	0.45m
Railing height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
skew angle if any	No
FRL from lowest bed level	8.0m
superstructure type	PSC Box girder
No of Longitudinal Girders	1
Condition of Superstructures	Fair
Type of Abutment	Solid wall type
Type of Pier	Circular
Substructures Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	Below average
Condition of Foundations	Average
Type of Bearings	Elastomeric
Condition of Bearings	Average





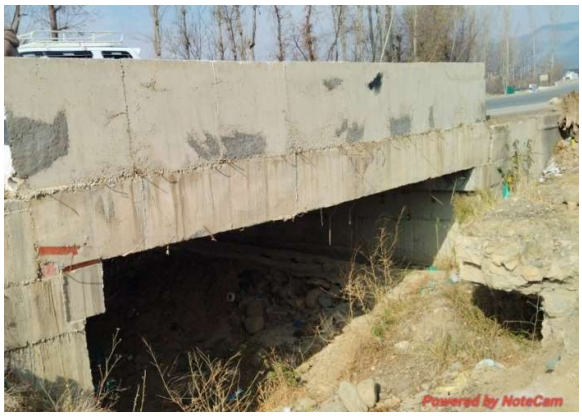
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	Dirtiness/soiled
Type of Wearing Coat	Bituminous
Condition of Wearing Coat	Riding quality
Type of Railing	RCC railing
Condition of Railing	Average
Drainage Spouts	Yes
Condition of Drainage Spouts	Average
Weep holes	Yes
Condition of weep holes	Average
Approach slab	Yes
Condition of approach slab	Average
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Fair



Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	164+132
Type of Structures	Minor
Year of Construction	-
Dates of inventory	14-12-2024



B) Waterways & Protection Works:

Name of River Water Body/Bridge	Nala bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Erosion of Banks	No
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	No
Guide Bunds	No

C) Salient Features & Conditions of Different Components:

Span Arrangement	1x10m
Distance between C to C of Expansion Joint	10
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.5m
Carriageway Width	7m
Parapet width	0.45m
Parapet height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
Skew angle if any	No
FRL from lowest bed level	1.5m
Condition of Superstructures	Good
Type of Abutment	Solid wall type
Substructure Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	Good
Condition of Foundations	Good
Type of Bearings	-
Condition of Bearings	-
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	-
Type of Wearing Coat	Bituminous
Condition of Wearing Coat	Good
Condition of Railing	Good
Drainage Spouts	No
Condition of Drainage Spouts	-

Weep holes	-
Condition of weep holes	-
Approach slab	-
Condition of approach slab	Good
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Average

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

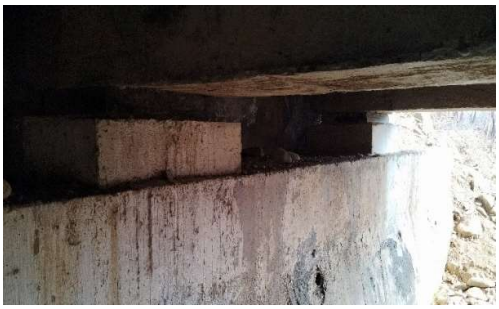
Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	164+400
Type of Structures	Minor
Year of Construction	-
Dates of inventory	14-12-2024

B) Waterways & Protection Works:

Name of River Water Body/Bridge	Nala bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Flow pattern	Meandering
Erosion of Banks	No
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	Yes
Guide Bunds	No

C) Salient Features & Conditions of Different Components:

Span Arrangement	1x24.23m
Distance between C to C of Expansion Joint	24.23m
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12 m
Carriageway Width	7 m
Footpath Width	1.5m b/s
Whether Footpath is raised or at grade	At Grade
Whether the Footpath is one-sided or both-sided	Both sides
Railing width	0.45m
Railing height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
Skew angle if any	No
superstructure type	RCC
No of Longitudinal Girders	4
No of Cross Girders	-
Condition of Superstructures	Good
Type of Abutment	Solid wall type
Type of Pier	-
Substructures Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	Below average
Condition of Foundations	Average
Type of Bearings	-



Condition of Bearings	-
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	Average
Type of Wearing Coat	Bituminous
Condition of Wearing Coat	Good
Type of Railing	RCC railing
Condition of Railing	Average
Drainage Spouts	-
Condition of Drainage Spouts	-
Weep holes	-
Condition of weep holes	-
Approach slab	Yes
Condition of approach slab	Average
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Average

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

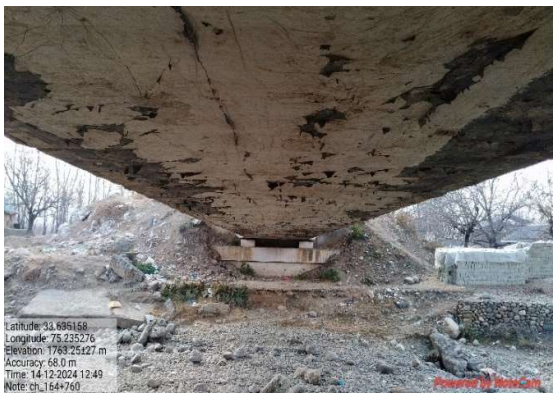
Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	164+769
Type of Structures	Hkam Nala
Year of Construction	2012
Dates of inventory	

B) Waterways & Protection Works:

Name of River Water Body/Bridge	Arhama Bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Any mark of Flood Gauge	1.5m above ground level
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Flow pattern	Meandering
Erosion of Banks	Yes
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	Yes
Guide Bunds	No

C) Salient Features & Conditions of Different Components:

Span Arrangement	1x40m
Distance between C to C of Expansion Joint	40
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.4m
Carriageway Width	7m
Footpath Width	1.5 m b/s
Whether Footpath is raised or at grade	At Grade
Whether the Footpath is one-sided or both-sided	Both sides
Railing width	0.45m
Railing height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
skew angle if any	No
FRL from lowest bed level	8.0m
superstructure type	PSC Box girder
No of Longitudinal Girders	1
Condition of Superstructures	Good
Type of Abutment	Solid wall type
Type of Pier	-
Substructures Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	Below average
Condition of Foundations	Average
Type of Bearings	Elastomeric bearing

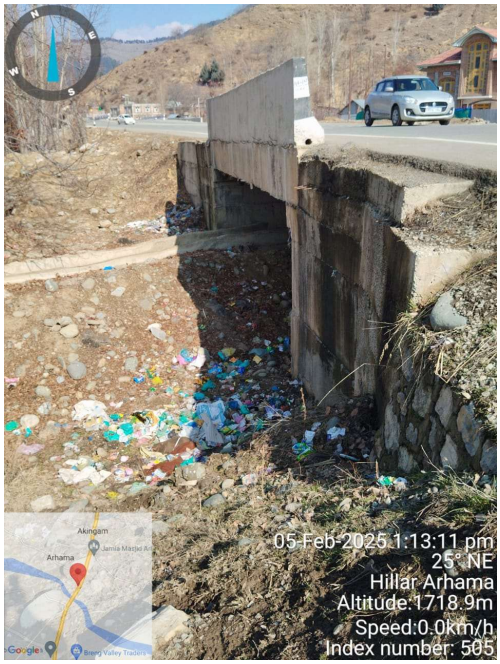


Condition of Bearings	Average
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	Dirtiness/soiled
Type of Wearing Coat	Bituminous
Condition of Wearing Coat	Good
Type of Railing	RCC railing
Condition of Railing	Average
Drainage Spouts	Yes
Condition of Drainage Spouts	Average
Weep holes	Yes
Condition of weep holes	Average
Approach slab	Yes
Condition of approach slab	Average
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Good

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	164+840
Type of Structures	Minor Bridge
Year of Construction	-
Dates of inventory	14-12-2024

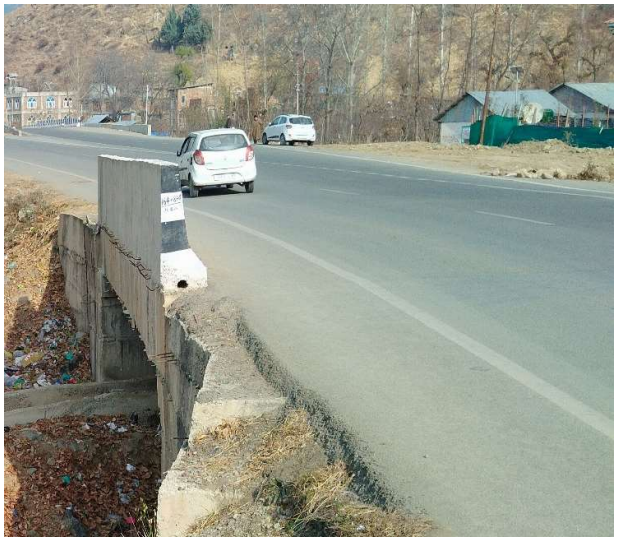


B) Waterways & Protection Works:

Name of River Water Body/Bridge	Nala bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Any mark of Flood Gauge	1.0m above ground level
HFL Data: Local Enquiry	-
Obstruction in waterways	Island formation
Flow pattern	Meandering
Erosion of Banks	No
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	Yes
Guide Bunds	No

C) Salient Features & Conditions of Different Components:

Span Arrangement	1x10m
Distance between C to C of Expansion Joint	10m
Clear Width of Waterway	8m
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.6m
Carriageway Width	7.3 m
Footpath Width	-
Whether Footpath is raised or at grade	-
Whether the Footpath is one-sided or both-sided	-
Parapet width	0.45m
Parapet height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
Skew angle if any	No
Superstructure type	RCC
No of Longitudinal Girders	-
No of Cross Girders	-
Condition of Superstructures	Average
Type of Abutment	Solid wall type
Type of Pier	-
Substructures Material	RCC
Type of Foundation, if visible	Open
Condition of Substructures	Average
Condition of Foundations	Average

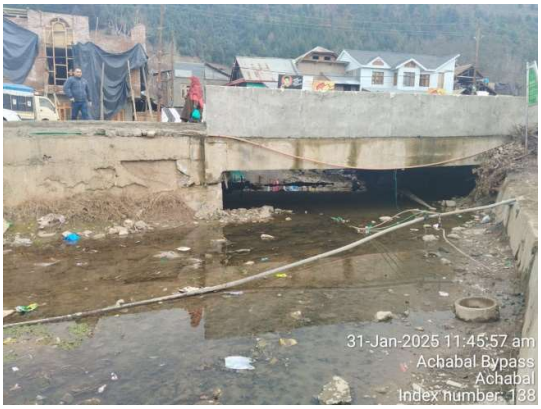


Type of Bearings	-
Condition of Bearings	-
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	Average
Type of Wearing Coat	Bituminous
Condition of Wearing Coat	Good
Condition of Railing	Average
Drainage Spouts	-
Condition of Drainage Spouts	-
Weep holes	-
Condition of weep holes	-
Approach slab	Yes
Condition of approach slab	Average
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Average

Name of the Road: Two Lane plus Paved Shoulder stretches to Four Lane in between Design Km 148+589 (Existing Km 235+070) (Vailoo) to Design Km 176+532 (Existing Km (263+070) Donipawa of 8.643 Km Length

A) General Information:

Project Name:	Vailoo-Donipawa
NH/SH No:	NH-244
Chainage:	170+467
Type of Structures	Minor Bridge
Year of Construction	-
Dates of inventory	14-12-2024



B) Waterways & Protection Works:

Name of River Water Body/Bridge	Nala bridge
Flow Direction Left to Right	Right to Left
High-Level Bridge/ Submersible / Causeway	High level bridge
HFL Data: Any mark of Flood Gauge	.5m above ground level
HFL Data: Local Enquiry	-
Erosion of Banks	No
Slope Pitching	No
Toe Wall	No
Flexible Apron	No
Floor Protection	No
Scour in River Bed	No
Guide Bunds	Yes

C) Salient Features & Conditions of Different Components:

Span Arrangement	1x13m
Distance between C to C of Expansion Joint	13m
Bridge Statical System	Simply Supported
Overall Width of Superstructures	12.5m
Carriageway Width	10.9m
Footpath Width	-
Whether Footpath is raised or at grade	-
Whether the Footpath is one-sided or both-sided	-
Parapet width	0.45m
Parapet height	1.15m
Bridge formation along longitudinal axis	Flat
Horizontal alignment of bridge	Straight
Skew angle if any	No
FRL from lowest bed level	5.0m
superstructure type	RCC
No of Longitudinal Girders	-
No of Cross Girders	-
Condition of Superstructures	Good
Type of Abutment	Solid wall type
Type of Pier	-
Substructures Material	RCC
Type of Foundation, if visible	Open

Condition of Substructures	Below average
Condition of Foundations	Average
Type of Bearings	-
Condition of Bearings	-
Type of Expansion Joints	Strip seal
Condition of Expansion Joints	Average
Type of Wearing Coat	Bituminous
Condition of Wearing Coat	Good
Drainage Spouts	-
Condition of Drainage Spouts	-
Weep holes	-
Condition of weep holes	-
Approach slab	Yes
Condition of approach slab	Average
Retaining wall/ Wing wall	Retaining wall
Material	RCC
Condition	Average

Annexure-4.8

Culverts inventory & condition Survey

Sr. No.	Existing Chainage (Km)	Type of Structures (Pipe/Slab / Box/Arch)	Span arrangement			Carriage-way Width (m)	Width of Paved Shoulder (m)	Skew	Details of Protection Works						Condition of various features of culvert						Slab Thickness (MM)	Presence of sour	Adequacy of Water Way	Direction of Flow
			No.	Vent/Width h (m)/Clear)	C/C of Exp. Joint				Type	Condition	Head Walls (LX8)	Wing Walls (LXBXH)	Return Wall Length (LX8)	Parapet/H and rail	Substructure re	Slab-Pipe/Box/ Arch	Head walls	Wing walls	Return wall	Parapet /Handrail				
1	2	3	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1	151+951	Box	1	2	_	6.8	4.1	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
2	152+280	Box	1	2	_	8.3	2.9	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
3	153+569	Box	1	2	_	7	4.1	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
4	153+810	Box	1	2	_	7	4.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
5	158+667	Box	1	2	_	7.1	3.73	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
6	158+392	Box	1	2	_	6.9	3.8	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
7	158+121	Box	1	2	_	7.5	2.9	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
8	160+440	Box	1	2	_	7	2.9	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
9	160+701	Box	1	2	_	7	2.9	NORMAL	P	GOOD	-	-	-	1.15*4	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
10	160+830	Box	1	4	_	7	2.9	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L

11	160+897	Box	1	2	_	11.4	2.9	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
12	163+817	Box	1	4	_	7.4	4	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
13	164+190	Box	1	2	_	7	4.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
14	164+259	Box	1	2	_	7	4.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
15	164+334	Box	1	2	_	7.1	4.1	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
16	165+525	Box	1	2	_	7	4	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
17	164+620	Box	1	2	_	7	3.35	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
18	164+902	Box	1	2	_	16.6	3.4	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
19	167+312	Box	1	2	_	7	2.75	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
20	167+599	Box	1	2	_	7	4.25	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
21	168+797	Box	1	4	_	7	3.9	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
22	169+269	Box	1	2	_	7	4.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
23	169+639	Box	1	2	_	6.8	3.05	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
24	172+230	Box	1	2	_	7	3.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
25	171+967	Box	1	2	_	6.9	4.6	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
26	171+582	Box	1	2	_	7	4.6	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L

27	174+980	Box	1	2	_	7	4.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
28	174+860	Box	1	2	_	7	4.1	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
29	174+396	Box	1	2	_	7	3.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
30	173+990	Box	1	2	_	7	4	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
31	176+382	Box	1	2	_	11.9	1.2	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
32	170+423	Box	1	2	_	14.5	2.1	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
33	170+545	Box	1	2	_	10	3.1	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
34	170+601	Box	1	2	_	9.4	2.25	NORMAL	P	GOOD	-	-	-	1.15*2	GOOD	GOOD	-	-	-	FAIR	250	NO	No	R-L
35	176+550	Box	1	2	_	7	1.5	NORMAL	P	GOOD	-	-	-	_	GOOD	GOOD	-	-	-	_	250	NO	No	_
36	176+551	pipe	1	1200mm	_	7	3.1	NORMAL	P	GOOD	-	-	-	_	AVERAGE	AVERAGE	-	-	-	_	_	NO	No	_

Structural Proposal (Bridges)

Sr. No	Design Chainage R1 (Km.)	Stretch Detail	Name of Bridge/River	Details of Proposed Bridge						Deck slab	WC	Girder Ht.	Bearing + Pedestal	Remarks
				Length of Bridge (m)	No. of Span x Span Length	Overall Width	Super-structure	Substructure	Foundation					
1	148+589	Stretch-1	Minor Bridge	25	1x25	12.5	PSC I Girder	RCC Wall Type Abutment	Open	0.220	0.065	1.800	0.350	Re-construction
2	151+100	Strecth-2	Minor Bridge	30	1 x 30	7+7	Steel Plate Girder	RCC Wall Type Abutment	Open	0.220	0.065	1.325	0.350	Concentric Widening
3	158+055	Strecth-5	Minor Bridge	10	1 x 10	12.5	Solid slab	RCC Wall Type Abutment	Open	0.000	0.065	0.700	0.000	Existing Retain + New 2 lane
4	163+800	Strecth-7	Minor Bridge	10	1 x 10	4.35 LHS+4.35 RHS	Solid slab	RCC Wall Type Abutment	Open	0.000	0.065	0.700	0.000	Existing Retain + New 2 lane
5	163+990	Strecth-7	Major Bridge Hiller	105	3 x 35	12.5	PSC I Girder	RCC Wall Type Abutment and Circular Pier	Open	0.220	0.065	2.200	0.350	Existing Retain + New 2 lane
6	164+130	Strecth-7	Minor Bridge	10	1 x 10	12.5	Solid slab	RCC Wall Type Abutment	Open	0.000	0.065	0.700	0.000	Existing Retain + New 2 lane
7	164+405	Strecth-7	Minor Bridge	25	1 x 25	12.5	PSC I Girder	RCC Wall Type Abutment	Open	0.220	0.065	1.800	0.350	Existing Retain + New 2 lane
8	164+735	Strecth-7	Minor Bridge Arhama	40	1 x 40	12.5	PSC I Girder	RCC Wall Type Abutment	Open	0.220	0.065	2.400	0.350	Existing Retain + New 2 lane
9	164+840	Strecth-7	Minor Bridge	10	1 x 10	4.5 LHS+4.5 RHS	Solid slab	RCC Wall Type Abutment	Open	0.000	0.065	0.700	0.000	Existing Retain + New 2 lane
10	170+460	Strecth-10	Minor Bridge Achabal	13	1 x 13	4.55 LHS+4.55 RHS	Solid slab	RCC Wall Type Abutment	Open	0.000	0.065	0.800	0.000	Concentric Widening

Structure Proposal (Culverts)

S. No.	Topo Chainage	Type of Structure	Carriageway Width (m)	Overall Width (m)	New Proposal For Structure	Type of Prop. Structure	Prop. span Arrangement (m)	Vent height	REMARKS	LHS widening	RHS widening
1	151+959	Culvert	6.80	12.15	Concentric Widening	Rcc Box	1x2	2	Strecth-3	1.4	6.3
2	152+282	Culvert	8.30	12.20	Concentric Widening	Rcc Box	1x2	2	Strecth-3	2.6	5.1
3	153+572	Culvert	7.00	12.10	Concentric Widening	Rcc Box	1x2	2	Strecth-4	2.6	4.85
4	153+825	Culvert	7.00	12.10	Concentric Widening	Rcc Box	1x2	2	Strecth-4	4.2	3.6
5	157+763	Culvert	7.50	16.20	RHS Widening	Rcc Box	1x2	2	Strecth-5	-	2.85
6	158+125	Culvert	7.50	12.30	Concentric Widening	Rcc Box	1x2	2	Strecth-5	5	2.5
7	158+393	Culvert	6.90	11.70	Concentric Widening	Rcc Box	1x2	2	Strecth-5	9	1.1
8	158+669	Culvert	7.10	12.10	RHS Widening	Rcc Box	1x2	2	Strecth-5	-	7.1
9	160+461	Culvert	7.00	20.00	Retained	-	-	2	Strecth-6	-	-
10	160+711	Culvert	7.00	20.00	Retained	-	-	2	Strecth-6	-	-
11	160+840	Culvert	7.00	20.00	RHS Widening	Rcc Box	1x4	3	Strecth-6	-	3.2
12	160+909	Culvert	7.00	20.00	LHS Widening	-	-	2	Strecth-6	5.15	
13	163+825	Culvert	7.00	12.35	RHS Widening	Rcc Box	1x2	2	Strecth-7	-	8.55
14	164+153	Culvert	7.00	12.35	RHS Widening	Rcc Box	1x2	2	Strecth-7	-	10.8
15	164+275	Culvert	7.00	12.00	RHS Widening	Rcc Box	1x2	2	Strecth-7	-	10.5

16	164+345	Culvert	7.10	12.20	RHS Widening	Rcc Box	1x2	2	Strecth-7	-	11.5
17	164+535	Culvert	7.00	11.90	RHS Widening	Rcc Box	1x2	2	Strecth-7	-	10.3
18	164+630	Culvert	7.00	13.20	RHS Widening	Rcc Box	1x2	2	Strecth-7	-	14.3
19	164+910	Culvert	16.60	20.00	Retained	-	-	2	Strecth-7	-	-
20	167+115	stone	7.00	12.10	Concentric Widening	Rcc Box	1x2	2	Strecth-8	3.9	5.2
21	167+320	Culvert	7.00	12.00	LHS Widening	Rcc Box	1x2	2	Strecth-8	9.95	-
22	168+788	Culvert	7.00	12.10	Concentric Widening	Rcc Box	1x4	3	Strecth-9	1.7	6.45
23	169+330	Culvert	7.00	12.10	Concentric Widening	Rcc Box	1x2	2	Strecth-9	2.85	5.25
24	169+640	Culvert	-		New construction	Rcc Box	1x2	2	Strecth-9		
25	170+430	Culvert	7.00	18.30	Retained	-	-	2	Strecth-10	-	-
26	170+550	Culvert	6.90	13.80	LHS Widening	Rcc Box	1x2	2	Strecth-10	3.45	-
27	170+601	Culvert	7.00	12.50	Concentric Widening	Rcc Box	1x2	2	Strecth-10	1.95	2.25
28	171+589	Culvert	7.00	20.00	Retained	-	-	2	Strecth-11	-	1.68
29	171+978	Culvert	6.90	15.80	LHS Widening	Rcc Box	1x2	2	Strecth-11	6.05	-
30	172+285	Culvert	7.00	12.80	Concentric Widening	Rcc Box	1x2	2	Strecth-11	4.8	2.3
31	174+020	Culvert	7.00	11.90	Concentric Widening	Rcc Box	1x2	2	Strecth-12	5.8	2.1
32	174+452	Culvert	7.00	12.30	Concentric Widening	Rcc Box	1x2	2	Strecth-12	2.2	5.7
33	174+879	Culvert	7.00	12.00	Concentric Widening	Rcc Box	1x2	2	Strecth-12	4.3	3.7
34	174+990	Culvert	7.00	12.30	RHS Widening	Rcc Box	1x2	2	Strecth-12	-	8.7
35	176+398	Culvert	7.00	14.00	Concentric Widening	Rcc Box	1x2	2	Strecth-13	2.3	3.35
36	176+696	pipe culvert	7.00	19.00	Re-construction	Rcc Box	1x2	2	Strecth-13		