

NET PRESENT VALUE CALCULATION (For linear projects)

Full Title of the Project:				4 Laning of Ramban Banihal Section of NH 44 (old NH1A) at CRITICAL LOCATIONS between km 151 and km 187 in the UT of Jammu & Kashmir								
File No:				FP/JK/ROAD/145108/2021								
Date of Proposal:				22-07-2021								
S.No.	Forest Division	Range	Forest Comp	Forest Area Proposed for diversion (Ha)	Protected area if any	Canopy Density	Eco-Class	NPV Rate (Lac/ha)	NPV calculated	NPV amount payable (in lacs)	Remarks	Remarks
1	Ramban	Ramban	Revenue Forest	0.0715	Nil	0.6	V	12.9285	0.92439	0.92439	Normal NPV	Road
2	Ramban	Ramban	Revenue Forest	0.0242	Nil	0.6	V	12.9285	0.31287	0.31287		Viaduct
3	Ramban	Ramban	Revenue Forest	0.0807	Nil	0.6	V	12.9285	1.04333	1.04333		Viaduct
4	Ramban	Ramban	Revenue Forest	0.1371	Nil	0.4	V	12.9285	1.77250	1.77250		Road
5	Ramban	Ramban	Revenue Forest	0.037	Nil	0.6	V	12.9285	0.47835	0.47835		Road
6	Ramban	Ramban	Comp_40	0.2899	Nil	0.4	V	12.9285	3.74797	1.87398608	As per In their orders of Honble Supreme Court of India, for "Other underground works requiring diversion of forest land NPV is charged 50% of normal rates of NPV (Refere to Page 55 of Handbook of Forest (Conservation) Act, 1980 and Forest Conservation Rules, 2003 (Guidelines & Clarifications)	Tunnel Tube
7	Ramban	Ramban	Comp_40	1.6556	Nil	0.6	V	12.9285	21.40442	10.7022123		Tunnel Tube
8	Ramban	Ramban	Comp_40	0.0554	Nil	0.5	V	12.9285	0.71624	0.35811945		Tunnel Cross Passage
9	Ramban	Ramban	Comp_40	0.3767	Nil	0.6	V	12.9285	4.87017	2.43508298		Tunnel Tube
10	Ramban	Ramban	Comp_40	0.1696	Nil	0.6	V	12.9285	2.19267	1.0963368		Tunnel Tube
11	Ramban	Ramban	Revenue Forest	0.0833	Nil	0.6	V	12.9285	1.07694	0.53847203		Tunnel Tube
12	Ramban	Ramban	Revenue Forest	0.0153	Nil	0.6	V	12.9285	0.19781	0.09890303		Tunnel Tube
13	Ramban	Ramban	Comp_40	2.1817	Nil	0.5	V	12.9285	28.20611	14.1030542		Tunnel Tube
14	Ramban	Ramban	Comp_40	0.0124	Nil	0.6	V	12.9285	0.16031	0.0801567		Tunnel Tube
15	Ramban	Ramban	Comp_40	0.0222	Nil	0.6	V	12.9285	0.28701	0.14350635		Tunnel Cross Passage
16	Ramban	Ramban	Comp_40	0.4226	Nil	0.5	V	12.9285	5.46358	2.73179205		Tunnel Tube
17	Ramban	Ramban	Comp_40	0.0215	Nil	0.5	V	12.9285	0.27796	0.13898138		Tunnel Cross Passage
18	Ramban	Ramban	Comp_40	0.1867	Nil	0.6	V	12.9285	2.41375	1.20687548		Tunnel Tube
19	Ramban	Ramban	Comp_39	0.0453	Nil	0.6	V	12.9285	0.58566	0.29283053		Tunnel Tube
20	Ramban	Ramban	Comp_39	0.207	Nil	0.6	V	12.9285	2.67620	1.33809975		Tunnel Tube
21	Ramban	Ramban	Comp_39	0.0354	Nil	0.6	V	12.9285	0.45767	0.22883445		Tunnel Tube
22	Ramban	Ramban	Comp_39	1.5652	Nil	0.6	V	12.9285	20.23569	10.1178441		Tunnel Tube
23	Ramban	Ramban	Comp_39	0.0211	Nil	0.6	V	12.9285	0.27279	0.13639568		Tunnel Cross Passage
24	Ramban	Ramban	Comp_39	0.6765	Nil	0.6	V	12.9285	8.74613	4.37306513		Tunnel Tube
25	Ramban	Ramban	Comp_39	0.0519	Nil	0.6	V	12.9285	0.67099	0.33549458		Tunnel Cross Passage
26	Ramban	Ramban	Comp_39	0.0331	Nil	0.6	V	12.9285	0.42793	0.21396668		Tunnel Tube
27	Ramban	Ramban	Comp_39	0.2609	Nil	0.6	V	12.9285	3.37305	1.68652283		Tunnel Tube
28	Ramban	Ramban	Comp_39	0.5195	Nil	0.6	V	12.9285	6.71636	3.35817788		Tunnel Tube
29	Ramban	Ramban	Comp_39	0.0959	Nil	0.6	V	12.9285	1.23984	0.61992158		Tunnel Cross Passage
30	Ramban	Ramban	Comp_39	1.0289	Nil	0.6	V	12.9285	13.30213	6.65106683		Tunnel Tube
31	Ramban	Ramban	Comp_39	0.0807	Nil	0.4	V	12.9285	1.04333	1.04333	Normal NPV	Road
32	Ramban	Ramban	Comp_39	0.0973	Nil	0.5	V	12.9285	1.25794	1.25794	Normal NPV	Tunnel Portal
33	Ramban	Ramban	Comp_39	0.0404	Nil	0.5	V	12.9285	0.52231	0.2611557	"Other underground works requiring diversion of	Tunnel Tube
34	Ramban	Ramban	Comp_39	0.0404	Nil	0.5	V	12.9285	0.52231	0.2611557		Tunnel Portal
35	Ramban	Ramban	Comp_39	0.0129	Nil	0.5	V	12.9285	0.16678	0.08338883		Tunnel Cross Passage
36	Ramban	Ramban	Comp_39	4.1652	Nil	0.5	V	12.9285	53.84979	26.9248941		Tunnel Tube
37	Ramban	Ramban	Comp_39	0.4644	Nil	0.5	V	12.9285	6.00400	3.0019977		Tunnel Tube

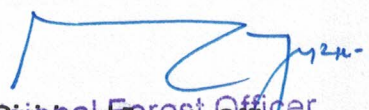
S.No.	Forest Division	Range	Forest Comp	Forest Area Proposed for diversion (Ha)	Protected area if any	Canopy Density	Eco-Class	NPV Rate (Lac/ha)	NPV calculated	NPV amount payable (in lacs)	Remarks	Remarks
38	Ramban	Ramban	Comp_39	0.0296	Nil	0.5	V	12.9285	0.38268	0.1913418	forest land NPV is charged 50% of normal rates of NPV	Tunnel Cross Passage
39	Ramban	Ramban	Comp_39	0.6468	Nil	0.5	V	12.9285	8.36215	4.1810769		Tunnel Tube
40	Ramban	Ramban	Comp_39	0.0373	Nil	0.5	V	12.9285	0.48223	0.24111653		Tunnel Cross Passage
41	Ramban	Ramban	Comp_38	3.0866	Nil	0.5	V	12.9285	39.90511	19.9525541		Tunnel Tube
42	Ramban	Ramban	Comp_38	0.2021	Nil	0.5	V	12.9285	2.61285	1.30642493		Tunnel Cross Passage
43	Ramban	Ramban	Comp_38	0.5383	Nil	0.5	V	12.9285	6.95941	3.47970578		Tunnel Cross Passage
45	Ramsoo	Ramban	Comp_38	0.8531	Nil	0.6	V	12.9285	11.02930	5.51465168	50% NPV	Tunnel Tube
46	Ramsoo	Ramban	Comp_38	0.0888	Nil	0.6	V	12.9285	1.14805	1.14805	Normal NPV	Tunnel Portal
47	Ramsoo	Banihal	Revenue forest	0.2288	Nil	0.6	VI	13.7241	3.14007	3.14007	Normal NPV	Viaduct
48	Ramsoo	Banihal	Revenue forest	0.2665	Nil	0.6	VI	13.7241	3.65747	3.65747	Normal NPV	Road
49	Ramsoo	Banihal	Comp_55	1.969	Nil	0.6	VI	13.7241	27.02275	27.02275	Normal NPV	Viaduct
50	Banihal	Banihal	Comp_55	0.9088	Nil	0.6	VI	13.7241	12.47246	12.47246	Normal NPV	Viaduct
51	Banihal	Banihal	Comp_55	0.0576	Nil	0.6	VI	13.7241	0.79051	0.79051	Normal NPV	Road
52	Banihal	Banihal	Comp_55	1.2834	Nil	0.6	VI	13.7241	17.61351	17.61351	Normal NPV	Viaduct
53	Banihal	Banihal	Comp_55	0.9567	Nil	0.6	VI	13.7241	13.12985	13.12985	Normal NPV	Viaduct
54	Banihal	Banihal	Comp_55	0.0541	Nil	0.6	VI	13.7241	0.74247	0.74247	Normal NPV	Road
55	Banihal	Banihal	Comp_54	0.0472	Nil	0.6	VI	13.7241	0.64778	0.64778	Normal NPV	Road
56	Banihal	Banihal	Comp_54	0.4641	Nil	0.6	VI	13.7241	6.36935	6.36935	Normal NPV	Viaduct
57	Banihal	Banihal	Comp_54	0.0277	Nil	0.6	VI	13.7241	0.38016	0.38016	Normal NPV	Road
58	Ramban	Ramban	Comp_39	0.1553	Nil	0.6	V	12.9285	2.00780	1.00389803	50% NPV	Tunnel Tube
59	Ramban	Ramban	Comp_39	0.1574	Nil	0.5	V	12.9285	2.03495	1.01747295		Tunnel Tube
60	Ramban	Ramban	Comp_39	0.078	Nil	0.6	V	12.9285	1.00842	1.00842	Normal NPV	Tunnel Portal
61	Ramban	Ramban	Comp_39	0.0905	Nil	0.6	V	12.9285	1.17003	1.17003	Normal NPV	Tunnel Portal
62	Ramban	Ramban	Revenue Forest	0.0064	Nil	0.6	V	12.9285	0.08274	0.08274	Normal NPV	Tunnel Portal
63	Ramban	Ramban	Revenue forest	0.185	Nil	0.6	V	12.9285	2.39177	1.19588625	50% NPV	Tunnel Tube
64	Ramban	Ramban	Revenue forest	0.0333	Nil	0.5	V	12.9285	0.43052	0.21525953		Tunnel Tube
65	Ramban	Ramban	Comp_40	0.124	Nil	0.5	V	12.9285	1.60313	1.60313	Normal NPV	Tunnel Portal
66	Ramban	Ramban	Comp_40	1.7178	Nil	0.6	V	12.9285	22.20858	11.1042887	"Other underground works requiring diversion of forest land NPV is charged 50% of normal rates of NPV"	Tunnel Tube
67	Ramban	Ramban	Comp_40	0.3371	Nil	0.6	V	12.9285	4.35820	2.17909868		Tunnel Tube
68	Ramban	Ramban	Revenue forest	0.0579	Nil	0.6	V	12.9285	0.74856	0.37428008		Tunnel Tube
69	Ramban	Ramban	Comp_40	2.3348	Nil	0.6	V	12.9285	30.18546	15.0927309		Tunnel Tube
70	Ramban	Ramban	Comp_39	0.2147	Nil	0.6	V	12.9285	2.77575	1.38787448		Tunnel Tube
71	Ramban	Ramban	Comp_39	1.9138	Nil	0.6	V	12.9285	24.74256	12.3712817		Tunnel Tube
72	Ramban	Ramban	Comp_39	0.0697	Nil	0.6	V	12.9285	0.90112	0.45055823		Tunnel Tube
73	Ramban	Ramban	Comp_39	1.2933	Nil	0.6	V	12.9285	16.72043	8.36021453		Tunnel Tube
74	Ramban	Ramban	Comp_39	0.4072	Nil	0.3	V	10.0521	4.09322	4.09322	Normal NPV	Road
75	Ramban	Ramban	Comp_39	0.2204	Nil	0.5	V	12.9285	2.84944	2.84944	Normal NPV	Tunnel Portal
76	Ramban	Ramban	Comp_39	0.1129	Nil	0.3	V	10.0521	1.13488	1.13488	Normal NPV	Road
77	Ramban	Ramban	Comp_39	4.2524	Nil	0.5	V	12.9285	54.97715	27.4885767	50% NPV	Tunnel Tube
78	Ramban	Ramban	Comp_39	0.1317	Nil	0.5	V	12.9285	1.70268	1.70268	Normal NPV	Tunnel Portal
79	Ramban	Ramban	Comp_38	4.1189	Nil	0.5	V	12.9285	53.25120	26.6255993	50% NPV	Tunnel Tube
80	Ramban	Ramban	Comp_38	0.0841	Nil	0.5	V	12.9285	1.08729	0.54364343		Tunnel Tube

S.No.	Forest Division	Range	Forest Comp	Forest Area Proposed for diversion (Ha)	Protected area if any	Canopy Density	Eco-Class	NPV Rate (Lac/ha)	NPV calculated	NPV amount payable (in lacs)	Remarks	Remarks
81	Ramsoo	Ramban	Comp_38	0.3161	Nil	0.5	V	12.9285	4.08670	4.08670	Normal NPV	Viaduct
82	Ramsoo	Ramban	Revenue forest	0.4046	Nil	0.5	VI	13.7241	5.55277	5.55277	Normal NPV	Viaduct
83	Ramsoo	Banihal	Comp_55	0.2952	Nil	0.5	VI	13.7241	4.05135	4.05135	Normal NPV	Viaduct
84	Banihal	Banihal	Comp_54	0.3444	Nil	0.5	VI	13.7241	4.72658	4.72658	Normal NPV	Viaduct
85	Ramban	Ramban	Revenue forest	2.7519	Nil	0.7	V	14.3667	39.53572	39.53572	Normal NPV	Muck Dumping
86	Ramban	Ramban	Revenue forest	2.0535	Nil	0.7	V	14.3667	29.50202	29.50202	Normal NPV	Muck Dumping
87	Ramban	Ramban	Comp_39	15.7285	Nil	0.7	V	14.3667	225.96664	225.96664	Normal NPV	Muck Dumping
92	Ramban	Ramban	Comp_39	3.1997	Nil	0.5	V	12.9285	41.36732	41.36732	Normal NPV	Muck Dumping
93	Ramban	Ramban	Comp_38	4.6953	Nil	0.8	V	14.3667	67.45597	67.45597	Normal NPV	Muck Dumping
94	Ramban	Ramban	Comp_39	3.47	Nil	0.6	V	12.9285	44.86190	44.86190	Normal NPV	Muck Dumping
Total				78.3877	Ha					814.36850		


Range Officer Ramban
Forest Range Ramban


Head of User Agency
परियोजना निरीक्षक
Project Director
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Range Officer
Forest Banihal


Divisional Forest Officer,
Ramban Forest Division,
Ramban
Office Seal