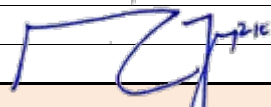


Table 1: Land Requirement for Road, Tunnel Tube and Viaducts

Critical Location			Improvement Proposal						Exitng RoW (Already diverted)						Proposed RoW (Applied for Forest Diversion)								
									Forest Land			Non Forest Land			Forest Land			Non Forest Land					
Loc No	Start	End	Feature	Alignme nt	Start	End	PKG	Length	Length (m)	Width (m)	Forest Land (Ha.)	Length (m)	Width (m)	Non Forest Land (Ha.)	Length (m)	Width (m)	Forest Land (Ha.)	Length (m)	Width (m)	Non Forest Land (Ha.)	Remarks		
A	150+904	151+384	Road 01N	NB	150+904	151+043	IV	139	-	-	-	-	-	-	115	6.220	0.0715	24	8.041	0.0193			
			Viaduct 01N	NB	151+043	151+343	IV	300	-	-	-	-	-	-	222	4.726	0.1049	78	5.427	0.0423			
			Road 02N	NB	151+343	151+384	IV	41	-	-	-	-	-	-	-	-	-	41	2.887	0.0118			
B	153+200	153+565	Road 03N	NB	153+200	153+565	IV	365	-	-	-	-	-	-	141	12.353	0.1740	224	9.167	0.2053			
C	154+415	161+350	Tunnel 2 N&S	NB	154+415	158+650	I	4235	138	28.978	0.3999	-	-	-	2558	28.769	7.3592	1539	30.429	4.6830			
			Road 04N	NB	158+650	158+678	II	28	-	-	-	-	-	-	28	28.835	0.0808	-	-	-			
			Tunnel 3 N&S	NB	158+750	161+350	II	2600	114	30.825	0.3514	-	-	-	2486	29.333	7.2922	-	-	-			
D	164+140	164+570	Tunnel 4 N	NB	164+140	164+570	II	430	31	94.194	0.292	-	-	-	399	21.382	0.8531	-	-	-			
E	165+095	166+610	Viaduct 02N	NB	165+095	165+913	III	818	-	-	-	-	-	-	-	-	-	818	39.214	3.2077			
			Road 05N	NB	165+913	166+610	III	697	-	-	-	-	-	-	-	-	-	697	10.066	0.7016			
F	167+150	167+960	Road 06N	NB	167+150	167+310	III	160	-	-	-	-	-	-	-	-	-	160	7.820	0.1251			
			Viaduct 03N	NB	167+310	167+760	III	450	-	-	-	-	-	-	160	14.297	0.2288	290	26.387	0.7652			
			Road 07N	NB	167+760	167+960	III	200	-	-	-	-	-	-	200	13.326	0.2665	65	1.381	0.0090	Non forest overlaps with forest		
G	168+168	171+855	Road 08N	NB	168+168	168+278	III	110	-	-	-	-	-	-	-	-	-	110	16.811	0.1849			
			Viaduct 04N	NB	168+278	170+528	III	2250	-	-	-	-	-	-	1168	24.638	2.8778	1082	25.074	2.7129			
			Road 09N	NB	170+528	170+609	III	81	-	-	-	-	-	-	81	7.113	0.0576	81	13.894	0.1125	Non forest overlaps with forest		
			Viaduct 05N	NB	170+609	171+758	III	1149	-	-	-	-	-	-	1149	19.496	2.2401	100	8.729	0.0873	Non forest overlaps with forest		
			Road 10N	NB	171+758	171+855	III	97	-	-	-	-	-	-	97	5.574	0.0541	-	-	-			
H	173+630	173+955	Road 11N	NB	173+630	173+700	IV	70	-	-	-	-	-	-	70	6.738	0.0472	-	-	-			
			Viaduct 06N	NB	173+700	173+920	IV	220	-	-	-	-	-	-	200	23.203	0.4641	50	19.865	0.0994	30m of non-forest overlaps with forest		
			Road 12N	NB	173+920	174+000	IV	80	-	-	-	-	-	-	45	6.146	0.0277	80	10.439	0.0836	Forest overlaps with non-forest		
B	154+850	155+495	Viaduct 07S	SB	154+850	155+100	IV	250	-	-	-	-	-	-	-	-	-	-	-	-			
			Tunnel 1S	SB	155+100	155+495	IV	395	100	25.53	0.2553	-	-	-	84	25.981	0.2181	211	27.546	0.5812			
C	156+035	163+368	Tunnel 2 N&S	SB	156+035	160+260	I	4225	32	35.313	0.113	-	-	-	2772	28.641	7.9391	1421	30.676	4.3590			
			Road 13S	SB	160+260	160+360	II	100	-	-	-	-	-	-	100	52.005	0.5201	-	-	-			
			Tunnel 3 N&S	SB	160+360	163+368	II	3008	68	54.044	0.3675	-	-	-	2940	28.760	8.4554	-	-	-			
	*Marog Interchange		Tunnel 5 I	SB	0+060	0+195	II	135	-	-	-	-	-	-	135	11.659	0.1574	-	-	-			
E	166+935	168+300	Viaduct 08S	SB	166+935	167+445	III	510	-	-	-	-	-	-	130	24.316	0.3161	510	38.223	1.9494	Forest overlaps with non-forest		
			Road 14S	SB	168+053	168+300	III	247	-	-	-	-	-	-	-	-	-	247	8.660	0.2139			
F	169+115	169+555	Viaduct 09S	SB	169+115	169+555	III	440	-	-	-	-	-	-	178	22.732	0.4046	262	20.302	0.5319			
G	170+120	173+638	Viaduct 10S	SB	170+120	170+420	III	300	-	-	-	-	-	-	-	-	-	-	300	13.766	0.4130		
			Road 15S	SB	170+420	171+285	III	865	-	-	-	-	-	-	-	-	-	747	6.782	0.5066	No land acquisition in 118 m		
			Viaduct 11S	SB	171+285	171+445	III	160	-	-	-	-	-	-	160	18.450	0.2952	-	-	-			
			Road 16S	SB	171+445	171+621	III	176	-	-	-	-	-	-	-	-	-	17	3.840	0.0065	No land acquisition in 159 m		
			Viaduct 12S	SB	171+621	171+795	III	174	-	-	-	-	-	-	-	-	-	-	-	-			
			Road 17S	SB	171+795	171+884	III	89	-	-	-	-	-	-	-	-	-	-	-	-			
			Viaduct 13S	SB	171+884	172+048	III	164	-	-	-	-	-	-	-	-	-	-	-	-			
			Road 18S	SB	172+048	172+805	III	757	-	-	-	-	-	-	-	-	-	-	-	-			
			Viaduct 14S	SB	172+805	172+877	III	72	-	-	-	-	-	-	-	-	-	-	-	-			
			Road 19S	SB	172+877	173+260	III	383	-	-	-	-	-	-	-	-	-	-	-	-			
			Viaduct 15S	SB	173+260	173+353	III	93	-	-	-	-	-	-	-	-	-	-	-	-			
			Road 20S	SB	173+353	173+638	III	285	-	-	-	-	-	-	-	-	-	-	-	-			
H	175+100	175+605	Road 21S	SB	175+100	175+267	IV	167	-	-	-	-	-	-	-	-	-	-	-	-			
			Viaduct 16S	SB	175+267	175+405	IV	138	-	-	-	-	-	-	138	24.955	0.3444	-	-	-			
			Road 22S	SB	175+405	175+605	IV	200	-	-	-	-	-	-	-	-	-	-	-	-			
I	176+330	176+670	Tunnel 6S	SB	176+330	176+670	IV	340	-	-	-	47	26.106	0.1227	-	-	-	293	27.187	0.7966			
Total (65.1608 Ha.)									483				1.7791	47		0.1227	15756		40.8500	9447		22.4090	


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Doc 06: Purpose-wise break up of forest land to be diverted (Area Statement)

Table 2: Land Requirement for Tunnel Support (narrow passage between to tunnels)

					Exisitng RoW (Already diverted)		Proposed RoW (Applied for Forest Diversion)									
Critical Location	Village	PKG	Component	Side	Forest Land (Ha.)	Non Forest Land (Ha.)	Forest Land					Non Forest Land				
							Start	End	Length (m)	Width (m)	Forest Land (Ha.)	Start	End	Length (m)	Width (m)	Non Forest Land (Ha.)
C	Maroog	I	T2	NB	-	-	154+418	154+887	469	2.342	0.1099	155+115	155+286	171	11.842	0.2025
							154+887	155+061	174	10.349	0.1801	155+311	155+356	45	3.286	0.0148
							155+335	155+519	184	9.217	0.1696	155+519	155+554	35	12.863	0.0450
C	Gam	I	T2	NB	-	-	156+273	156+286	13	9.550	0.0124	155+554	155+786	232	8.773	0.2035
							156+311	156+611	300	8.967	0.2690	155+810	156+273	463	8.949	0.4143
							156+611	156+786	175	8.776	0.1536	-	-	-	-	-
							156+811	157+020	209	8.932	0.1867	-	-	-	-	-
C	Maroog	I	T2	NB	-	-	157+020	157+068	48	5.700	0.0274	157+090	157+261	171	8.471	0.1448
							157+068	157+090	22	8.166	0.0180	157+822	158+125	303	24.005	0.7274
							157+270	157+286	16	22.135	0.0354	-	-	-	-	-
							157+311	157+569	258	10.797	0.2786	-	-	-	-	-
							157+569	157+687	118	21.119	0.2492	-	-	-	-	-
							157+687	157+786	99	15.027	0.1488	-	-	-	-	-
							157+811	157+822	11	30.122	0.0331	-	-	-	-	-
							158+125	158+221	96	32.014	0.3073	-	-	-	-	-
							158+125	158+311	186	0.387	0.0072	-	-	-	-	-
							158+125	158+311	186	0.987	0.0184	-	-	-	-	-
							158+200	158+222	22	8.403	0.0185	-	-	-	-	-
							158+222	158+284	62	27.114	0.1681	-	-	-	-	-
C	Digdol	II	T3	NB	-	-	158+809	159+286	477	9.735	0.4644	-	-	-	-	-
							159+311	159+786	475	13.616	0.6468	-	-	-	-	-
C	Maroog	II	T5	SB	-	-	0+060	0+195	135	11.502	0.1553	-	-	-	-	-
Total (5.4101 Ha.)									3735		3.6578			1420		1.7523

Doc 06: Purpose-wise break up of forest land to be diverted (Area Statement)

Table 3: Land Requirement for Tunnel Cross Passage (connector between two tunnels)

					Exisitng RoW (Already diverted)		Proposed RoW (Applied for Forest Diversion)									
Critical Location	Village	PKG	Component	Side	Forest Land (Ha.)	Non Forest Land (Ha.)	Forest Land					Non Forest Land				
							Start	End	Length (m)	Width (m)	Forest Land (Ha.)	Start	End	Length (m)	Width (m)	Non Forest Land (Ha.)
C	Maroog	I	T2	NB	-	-	154+786	154+811	25	22.169	0.0554	155+286	155+311	25	9.136	0.0228
C	Gam	I	T2	NB	-	-	155+802	155+810	8	19.120	0.0153	155+786	155+802	16	8.903	0.0142
							156+286	156+311	25	8.891	0.0222	-	-	-	-	-
							156+786	156+811	25	8.593	0.0215	-	-	-	-	-
C	Maroog	I	T2	NB	-	-	157+286	157+311	25	8.456	0.0211	-	-	-	-	-
							157+786	157+811	25	20.746	0.0519	-	-	-	-	-
							158+286	158+311	25	38.359	0.0959	-	-	-	-	-
C	Digdol	II	T3	NB	-	-	158+784	158+809	25	5.157	0.0129	-	-	-	-	-
							159+286	159+311	25	11.842	0.0296	-	-	-	-	-
							159+786	159+811	25	14.938	0.0373	-	-	-	-	-
							160+286	160+311	25	80.842	0.2021	-	-	-	-	-
							160+786	160+811	25	215.305	0.5383	-	-	-	-	-
Total (1.1405 Ha.)							283		1.1035	41			0.0370			

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Table 4: Tunnel Portals

					Exisitng RoW (Already diverted)		Proposed RoW (Applied for Forest Diversion)									
Critical Location	Village	PKG	Component	Side	Forest Land (Ha.)	Non Forest Land (Ha.)	Forest Land					Non Forest Land				
							Start	End	Length (m)	Width (m)	Forest Land (Ha.)	Start	End	Length (m)	Width (m)	Non Forest Land (Ha.)
C	Maroog	I	Tunnel 2 Portal 1	NB	0.1527	-	-	-	-	-	-	-	-	-	-	-
C	Maroog	I	Tunnel 2 Portal 2	NB	0.0291	-	158+650	-	60	16.220	0.0973	-	-	-	-	-
C	Digdol	II	Tunnel 3 Portal 1	NB	0.0531	-	158+750	-	28	14.426	0.0404	-	-	-	-	-
C	Digdol	II	Tunnel 3 Portal 2	NB	0.0860	-	-	-	-	-	-	-	-	-	-	-
D	Sujmatna	II	Tunnel 4 Portal 1	NB	0.284	-	-	-	-	-	-	-	-	-	-	-
D	Sujmatna	II	Tunnel 4 Portal 2	NB	0.0744	-	164+570	-	27	32.907	0.0888	-	-	-	-	-
B	Maroog	IV	Tunnel 1 Portal 1	SB	0.0636	-	155+100	-	13	4.886	0.0064	-	-	-	-	-
B	Maroog	IV	Tunnel 1 Portal 2	SB	0.097	-	-	-	-	-	-	-	-	-	-	-
C	Maroog	I	Tunnel 2 Portal 1	SB	0.1272	-	156+035	-	27	45.919	0.1240	-	-	-	-	-
C	Maroog	I	Tunnel 2 Portal 2	SB	-	-	160+260	-	84	26.237	0.2204	-	-	-	-	-
C	Digdol	II	Tunnel 3 Portal 1	SB	-	-	160+360	-	59	22.325	0.1317	-	-	-	-	-
C	Maroog	II	Tunnel 5 Portal 1	SB	-	-	0+060	-	39	19.991	0.0780	-	-	-	-	-
C	Maroog	II	Tunnel 5 Portal 2	SB	-	-	0+195	-	52	17.412	0.0905	-	-	-	-	-
I	Chamalwas	IV	Tunnel 6 Portal 1	SB	-	0.0779	-	-	-	-	-	176+330	-	6	49.213	0.0295
I	Chamalwas	IV	Tunnel 6 Portal 2	SB	-	0.0418	-	-	-	-	-	176+670	-	16	20.287	0.0325
Total (2.0263 Ha.)					0.9671	0.1197			389		0.8775			22		0.0620

Doc 06: Purpose-wise break up of forest land to be diverted (Area Statement)

Table 5: Muck Disposal Sites

			Exisitng RoW (Already diverted)		Proposed RoW (Applied for Forest Diversion)									
Village	Component	Survey No	Forest Land (Ha.)	Non Forest Land (Ha.)	Forest Land					Non Forest Land				
					Start	End	Length (m)	Width (m)	Forest Land (Ha.)	Start	End	Length (m)	Width (m)	Non Forest Land (Ha.)
Maroog	MDS-1a	633	-	-	-	-	344	79.997	2.7519	-	-	-	-	-
	MDS-1b	630	-	-	-	-	317	64.780	2.0535	-	-	-	-	-
	MDS-2	53	-	-	-	-	500	314.569	15.7285	-	-	-	-	-
Digdol	MDS-3a	53	4.1898	0	-	-	-	-	-	-	-	-	-	-
	MDS-3b	731	-	-	-	-	288	111.102	3.1997	-	-	-	-	-
	MDS-4a	466	-	-	-	-	193	243.282	4.6953	-	-	-	-	-
	MDS-4b	466	-	-	-	-	420	148.906	3.4700	-	-	-	-	-
Total (36.0887 Ha.)			4.1898				2062		31.8989					0

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					Exisitng RoW (Already diverted)		Proposed RoW (Area already included in Table 1)							
Critical Location	Village	PKG	Component	Side	Forest Land (Ha.)	Non Forest Land (Ha.)	Forest Land				Non Forest Land			
							Location	Length (m)	Width (m)	Forest Land (Ha.)	Location	Length (m)	Width (m)	Non Forest Land (Ha.)
C	Maroog	I	Control Room (STR-04)	NB	0.1452	-	-	-	-	-	-	-	-	-
	Maroog	I	Ventilation Room (STR-05)	NB	0.0400	-	-	-	-	-	-	-	-	-
	Maroog	I	Public Toilet (STR-06)	NB	0.0050	-	-	-	-	-	-	-	-	-
	Maroog	I	Control Room (STR-07)	NB	0.0400	-	-	-	-	-	-	-	-	-
	Maroog	I	Ventilation Room (STR-08)	NB	-	-	158+650	10	70	0.0700	-	-	-	-
	Digdol	II	Ventilation Room (STR-09)	NB	-	-	158+750	10	60	0.0600	-	-	-	-
	Digdol	II	Control Room (STR-10)	NB	0.0800	-	-	-	-	-	-	-	-	-
	Digdol	II	Ventilation Room (STR-11)	NB	0.0400	-	-	-	-	-	-	-	-	-
	Digdol	II	Control Room (STR-12)	NB	0.0400	-	-	-	-	-	-	-	-	-
D	Digdol	II	Control Room (STR-13)	NB	0.0400	-	-	-	-	-	-	-	-	-
	Sujmatna	II	Ventilation Room (STR-14)	NB	0.0270	-	-	-	-	-	-	-	-	-
	Sujmatna	II	Ventilation Room (STR-15)	NB	0.0270	-	-	-	-	-	-	-	-	-
E	Sujmatna	III	Bus Stand (STR-17)	NB	-	-	-	-	-	-	166+350	4	2	0.0008
	Sujmatna	III	Bus Stand (STR-16)	NB	-	-	-	-	-	-	166+990	4	2	0.0008
G	Sujmatna	III	Bus Stand (STR-18)	NB	0.0008	-	-	-	-	-	-	-	-	-
B	Maroog	IV	Ventilation Room (STR-01)	SB	0.0270	-	-	-	-	-	-	-	-	-
	Maroog	IV	Ventilation Room (STR-02)	SB	0.0270	-	-	-	-	-	-	-	-	-
C	Maroog	I	Ventilation Room (STR-03)	SB	0.0400	-	-	-	-	-	-	-	-	-
H	Chamalwas	IV	Ventilation Room (STR-19)	SB	-	0.0270	-	-	-	-	-	-	-	-
	Chamalwas	IV	Ventilation Room (STR-20)	SB	-	0.0270	-	-	-	-	-	-	-	-
Total (0.7646 Ha.)					0.5790	0.0540				0.1300				0.0016

SUMMARY Table 1: Component wise Breakup of Forest & Non Forest Land Requirement

Compoment	Exisitng RoW (Already diverted)			Proposed RoW (Applied for diversion)			Grand Total
	Forest Land (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	Forest Land (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	
Road	-	-	-	1.2995	1.6735	2.9730	2.973
Tunnel Tube	1.7791	0.1227	1.9018	32.2745	10.4198	42.6943	44.5961
Tunnel Support	-	-	-	3.6578	1.7523	5.4101	5.4101
Tunnel Cross Passage	-	-	-	1.1035	0.0370	1.1405	1.1405
Tunnel Portal	0.9671	0.1197	1.0868	0.8775	0.0620	0.9395	2.0263
Viaduct	-	-	-	7.2760	10.3157	17.5917	17.5917
Muck Disposal Site	4.1898	-	4.1898	31.8989	-	31.8989	36.0887
Grand Total	6.9360	0.2424	7.1784	78.3877	24.2603	102.6480	109.8264

[Signature]
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SUMMARY Table 2: Village wise Breakup of Forest & Non Forest Land Requirement

Compoment	Exisitng RoW (Already diverted)			Proposed RoW (Applied for diversion)			Grand Total
	Forest Land (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	Forest Land (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	
Chamalwas	-	0.2424	0.2424	1.8942	1.1289	3.0231	3.2655
Digdol	0.8580	-	0.8580	29.3290	-	29.3290	30.1870
Gam	-	-	-	5.3384	4.6791	10.0175	10.0175
Khari	-	-	-	2.2498	0.2493	2.4991	2.4991
Maroog	5.4276	-	5.4276	34.9778	6.9387	41.9165	47.3441
Seri	-	-	-	0.1764	0.0734	0.2498	0.2498
Sujmatna	0.6504	-	0.6504	4.4221	11.1909	15.6130	16.2634
Grand Total	6.9360	0.2424	7.1784	78.3877	24.2603	102.6480	109.8264

[Signature]

SUMMARY Table 3: Village wise Breakup of Forest Land Type & Non Forest Land Requirement

Village	Exisitng RoW (Already diverted)				Proposed RoW (Applied for diversion)				Grand Total
	Forest Land (Ha.)	Forest Jhad (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	Forest Land (Ha.)	Forest Jhad (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	
Chamalwas	-	-	0.2424	0.2424	1.8942	-	1.1289	3.0231	3.2655
Digdol	0.8580	-	-	0.858	29.3290	-	-	29.3290	30.1870
Gam	-	-	-	-	5.1819	0.1565	4.6791	10.0175	10.0175
Khari	-	-	-	-	2.2498	-	0.2493	2.4991	2.4991
Maroog	5.2666	0.1610	-	5.4276	29.8070	5.1708	6.9387	41.9165	47.3441
Seri	-	-	-	-	-	0.1764	0.0734	0.2498	0.2498
Sujmatna	0.6504	-	-	0.6504	3.5222	0.8999	11.1909	15.6130	16.2634
Total	6.7750	0.1610	0.2424	7.1784	71.9841	6.4036	24.2603	102.6480	109.8264

SUMMARY Table 4: Project Component wise Breakup of Forest Land Type & Non Forest Land Requirement

Component	Exisitng RoW (Already diverted)				Proposed RoW (Applied for diversion)				Grand Total
	Forest Land (Ha.)	Forest Jhad (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	Forest Land (Ha.)	Forest Jhad (Ha.)	Non Forest Land (Ha.)	Total (Ha.)	
Road	-	-	-	-	0.7875	0.512	1.6735	2.9730	2.9730
Viaduct	-	-	-	-	6.5377	0.7383	10.3157	17.5917	17.5917
Tunnel Tube	1.6817	0.0974	0.1227	1.9018	31.9483	0.3262	10.4198	42.6943	44.5961
Tunnel Support	-	-	-	-	3.6578	-	1.7523	5.4101	5.4101
Tunnel Cross Passage	-	-	-	-	1.0882	0.0153	0.0370	1.1405	1.1405
Tunnel Portal	0.9035	0.0636	0.1197	1.0868	0.8711	0.0064	0.0620	0.9395	2.0263
Muck Disposal Site	-	-	-	4.1898	27.0935	4.8054	-	31.8989	36.0887
Total	6.775	0.1610	0.2424	7.1784	71.9841	6.4036	24.2603	102.6480	109.8264


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