

AREA CALCULATION SHEET

PROPOSAL FOR DIVERSION OF ADDITIONAL FOREST LAND FOR THE CONSTRUCTION OF 2-LANING OF JORAM-KOLORIANG ROAD SECTIONS FROM CH 20.00 TO CH 44.770 (KM 20.000 TO 51.000 OF EXISTING JORAM-KOLORIANG ROAD) FOR EXECUTION IN EPC MODE IN THE DISTRICT OF LOWER SUBANSIRI IN THE STATE OF ARUNACHAL PRADESH UNDER "SARDP-NE"

AREA OF LAND INVOLVED

1. Total Area(Stage I) Already Approved for Construction of Joram-Kolairng Road from Km 20.00-Km-51.00= **51.708 Ha.**
2. Additonal Forest Land Required for the Project Strech =**16.729Ha**
3. Out of **16.729 Ha** Forest Land**9.419Ha** is for Widening & Realignment and the Rest **7.310 Ha** for Muck Disposal
4. A brief Area Calculation Sheet is given in the following Table. The detailed chainge wise area breakup of land reqired is shown in **Annexure-I** as follows. It includes Forest Land, Revenue Land/ Private Land and area for Muck Disposal.

Location in Km		Length (Mtrs)	Width required to be acquired (Mtrs)	Area (Hectare)	Remarks
From	To				
20.00	51.00	31000	19.718	61.126	Total forest land required for road stretch
Muck Disposal Area in Ha. (1.331+1.111+0.953+1.251+1.450)				7.310	Muck Disposal Area in Forest Land
Total Forest area required				68.436	
Already approved Stage I Forest Clearance				(-) 51.708	Stage I forest clearance vide F. No 8 -89/2011-FC dated 3/2/2012
Proposed Additional Forest Land to be Diverted including Muck Disposal Area (Ha)				16.729	

- 11.179 Ha is non-forest land


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Annexure-I**CHAINAGE WISE AREA CALCULATION SHEET**

WIDTH REQUIRED TO BE ACQUIRED				
CH 20.00 TO CH 44.000 (KM 20.000 TO KM 51.000)				
Existing Chainage	Proposed Chainage	Width	Area (LHS)	Area (RHS)
From Km-To Km	From Km-To Km	Meters	Ha.	Ha.
20+000 to 20+110	20+000 to 20+030	38.0	0.042	0.051
20+110 to 20+330	20+030 to 20+290	30.0	0.015	0.559
20+330 to 20+880	20+290 to 20+500	42.0	0.156	0.657
20+880 to 21+640	20+500 to 21+125	35.0	0.498	1.444
21+640 to 21+790	21+125 to 21+270	26.0	0.050	0.245
21+790 to 22+170	21+270 to 21+600	46.0	0.162	0.981
22+170 to 23+150	21+600 to 22+400	35.0	0.743	1.775
23+150 to 23+270	22+400 to 22+520	24.0	0.051	0.146
23+270 to 23+550	22+520 to 22+790	41.0	0.144	0.931
23+550 to 23+880	22+790 to 23+080	44.0	0.186	0.812
23+880 to 24+000	22+080 to 23+190	37.0	0.097	0.251
24+000 to 27+350	23+190 to 25+400	30.0	2.108	3.015
27+350 to 27+900	23+190 to 25+400	25.0	0.139	0.881
27+900 to 29+350	25+400 to 26+900	35.0	0.812	2.476
29+350 to 30+000	26+900 to 27+400	40.0	0.281	1.369
30+000 to 31+070	27+400 to 28+300	35.0	0.47	2.265
31+070 to 31+135	28+300 to 28+350	20.0	0.091	0.015
31+135 to 32+100	28+350 to 29+300	25.0	0.324	1.646
32+100 to 32+500	29+300 to 29+700	35.0	0.172	1.090
32+500 to 33+160	29+700 to 30+200	40.0	0.43	1.146
33+160 to 33+550	30+200 to 30+580	35.0	0.321	0.708
33+550 to 33+750	30+580 to 30+750	25.0	0.158	0.266
33+750 to 34+000	30+750 to 30+960	37.0	0.164	0.724
34+000 to 35+500	30+960 to 32+350	25.0	0.293	2.036
35+500 to 36+400	32+350 to 33+230	27.0	0.974	0.648
36+400 to 41+000	33+230 to 36+920	35.0	6.265	5.174
41+000 to 41+400	36+920 to 37+120	30.0	0.235	0.224
41+400 to 42+610	37+120 to 37+950	37.0	1.16	1.577
42+610 to 42+860	37+950 to 38+200	50.0	0.152	0.797
42+860 to 46+900	38+200 to 41+300	35.0	2.385	8.054
46+900 to 47+180	41+300 to 41+560	25.0	0.227	0.386
47+180 to 48+520	41+560 to 42+690	37.0	0.958	2.838
48+520 to 48+690	42+690 to 42+805	50.0	0.042	0.591
48+690 to 50+000	42+805 to 44+000	35.0	1.157	2.584
50+000 to 50+410	44+000 to 44+270	35.0	0.771	0.198
50+410 to 50+500	44+270 to 44+350	27.0	0.179	0.008

50+500 to 51+000	44+350 to 44+770	34.8	1.078	0.248
TOTAL AREA (FOREST+NON-FOREST) (HA)			23.49	48.816
GRAND TOTAL (FOREST+NON-FOREST AREA) (HA)		(A)	72.306	
AREA UNDER NON-FOREST LAND				
Name of Village	Chainage	Total Area		
New Pania	20+330 to 21+640	0.647		
Neulibar Palin	23+270 to 27+350	0.425		
Neelam	30+000 to 32+100	2.747		
Deed	34+000 to 36+400	2.134		
Dem	41+400 to 46+900	5.226		
TOTAL NON-FOREST LAND		(B)	11.179	
FOREST LAND REQUIRED FOR DIVERSION		(A-B)=C	61.127	
AREA ALREADY APPROVED		(D)	51.708	
PROPOSED ADDITIONAL FOREST LAND TO BE DIVERTED (HA) (Appendix I)		(C-D) =E	9.419	
AREA FOR MUCK DISPOSAL				
Existing Chainage	Proposed Chainage		(LHS)	(RHS)
21+600 to 21+800	21+100 to 21+300		1.331	
29+100 to 29+300	26+700 to 26+850		1.111	
33+450 to 33+600	30+500 to 30+650		0.953	
36+800 to 37+050	33+500 to 33+700			1.214
43+950 to 44+160	39+000 to 39+220		1.251	
47+060 to 47+200	41+450 to 41+600		1.450	
TOTAL			6.096	1.214
GRAND TOTAL (HA)		(F)	7.310	
PROPOSED ADDITIONAL FOREST LAND TO BE DIVERTED (HA) INCLUDING MUCK DISPOSAL AREA (HA)		(E+F)=G	16.729	

*Existing ROW considered 7.32 m


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APPENDIX - I

PROPOSED ADDITIONAL FOREST LAND TO BE DIVERTED

WIDTH REQUIRED TO BE ACQUIRED					
CH 20.00 TO CH 44.000 (KM 20.000 TO KM 51.000)					
Existing Chainage		Design Chainage		ROW	Total Area (Ha)
26+964	27+196	25+120	25+230	25	0.241
27+998	28+327	25+840	26+040	35	0.438
28+910	29+183	26+580	26+750	35	0.373
32+510	32+669	29+700	29+780	40	0.252
33+852	33+963	30+840	30+980	37	0.494
36+672	36+945	33+500	33+600	35	0.300
37+127	37+460	33+760	34+060	35	0.930
38+440	38+700	34+930	35+140	35	0.651
40+100	40+275	36+100	36+300	35	0.620
40+528	40+822	36+530	36+760	35	0.713
41+128	41+526	37+020	37+190	37	0.390
41+639	41+754	37+250	37+340	37	0.297
47+255	47+803	41+640	42+050	37	1.377
47+852	48+027	42+100	42+240	37	0.470
48+518	48+681	42+680	42+800	50	0.577
49+598	49+942	43+670	43+900	35	0.720
50+048	50+295	44+000	44+170	35	0.576
Additional Forest Land to Be Diverted (HA) for Row					9.419
Additional Forest Land to Be Diverted (HA) for muck dumping					7.310
Total Additional Forest Land to Be Diverted (HA)					16.729

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