

CERTIFICATE

SELECTION OF MUCK DISPOSAL SITE FOR CONSTRUCTION/ IMPROVEMENT OF
MIGGING-TUTTING ROAD (M-T) ROAD FROM CLASS-9 TO NHDL SPECIFICATION
ROAD BETWEEN MIGGING TO TUTTING KM 15.00 TO 35.134 (DESIGN CHAINAGE) FOR
A LENGTH OF 20.134 KM UNDER 105 RCC/ HQ 761 BRTF/ HQ CE (P) BRAHMANK IN
UPPER SIANG DISTRICT OF ARUNACHAL PRADESH

It is submitted that 21 Nos of Muck disposal site is proposed in the designed chainage 15.00 to 35.134 (existing km 13.560 to km 35.00 for a length of 20.134 km). All the muck disposal sites have been considered keeping in view both the technical considerations and the environmental factors in mind. Before selecting the site for muck disposal, the site considerations were discussed with representative from DLRSO office, forest department, horticulture and Gaon Budas/Land owners. It is submitted that the sites were selected only after due consideration that minimum damages is caused to the Flora and Fauna in the region and the selected site does not fall within any natural stream to prevent the muck from entering into the river. Moreover, to cause minimum damage to the existing ecosystem due to road construction works and muck disposal, retaining walls have been proposed for construction to prevent the soil muck from entering into the water channel or causing damages to the existing natural habitat. The site was also verified by CCF, Pasighat during his visit on MT road. Moreover, from the photographs attached to this certificate, it can be seen that the area selected for muck disposal is predominantly filled with small plants, creepers, banana/bamboo plants etc. Minimum damages are caused to the existing ecosystem by the selected muck disposal sites. The ecosystem/ growth of plants is same throughout the length of designed chainage 15.00 to 35.134 (existing km 13.560 to km 35.00 for a length of 20.134 km). Further, it is intimated that the subject road is of strategic importance and the proposed double laning work encompassing diversion of forest land has been done along the existing road (for which 7.32 Mtrs width of forest clearance along the length of the road has already been acquired in the past) to cause minimum damage to the bio-diversity of the region.



(Aman Kumar)
AEE (Civ)
Offg Officer Commanding

Station : C/o 99 APO

Dated : 11 Oct 2022

MUCK DISPOSAL PLAN FOR MIGGING-TUTING ROAD
BRIEF HISTORY

1. Border Roads Organisation (BRO) is deployed along the Eastern (LAC) borders of the country to develop the Line of Communication to forward posts thereby reducing time to mobilize its troops during Operational emergency. The work executed by BRO are of strategic in nature and is of national importance. The construction of road between Migging-Tuting road to NHDL specification would facilitate in maintenance & sustenance of the troops deployed all along the border (LAC) in the Upper Siang District of Arunachal Pradesh, by transportation of ammunitions & logistics. It will also reduce the time taken for induction and deinduction of troops, equipments and logistics along the LAC.

2 The Migging-Tuting road is a major axis for induction and deployment of troops along the LAC of Eastern border. Construction/ improvement of existing class-9 road to NHDL specification would essentially require diversion of forest land. In addition to the above, it will also facilitate forest patrolling on this road. The Road Merging to Migging (Package-1) passes through hilly and mountainous terrain through class-9 road with increased travel time due to its limitations of technical parameters. The proposed road falls under Yingkiong Forest Division area. The proposal for Construction/ Improvement Of Migging-Tutting Road (M-T) Road From Class-9 to NHDL specification road between Migging To Tutting Km 15.00 To 35.134 (Design Chainage) for a length of 20.134 Km has been prepared as per Forest Conservation Act, 1980 for obtaining

Muck Disposal Plan

3. Approximately 7092.18 cum of muck has to be disposed off per km for 20.134 km with this rate: 14,27,946.00 cum of muck has to be disposed off. Out of this 6.75% of muck amounting to 96,425.29 cum will be utilized for embankment filing in raising the level of the road in fill sections and hard rock retrieved shall be reused in permanent work. Hence, the quantity of unusable muck which needs to be disposed off is 93.25% of total 13,31,520.71 cum. For muck disposal, 21 Nos of muck dumping sites have been identified between Migging To Tutting Km 15.00 To 35.134 (Design Chainage) of a length of 20.134 Km" with an area of 20.40 Ha of land being requisitioned in addition to the land required for construction of road Muck Disposal Sites is marked on strip plan with their design chainage.



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Muck Dumping locations

Migging to Tutting Road Design Chainage From km 15.00 to 35.134

Sr. No	Loaction	Northing	Easting	Name of Owner	Length in M	Width in M	Area in Sqm
1	15.000	3195138.634	671167.696	SH. GEPAP DUGGONG	56	60	3360
2	15.382	3195595.613	671135.894	SH. PANGHENG PANYI	68	60	4080
3	16.900	3196239.47	671521.651	SH. GANOM TONDRANG	60	100	6000
4	16.960	2196293.003	671437.187	SH. TAPET MIBANG	50	100	5000
5	18.340	3197037.035	672480.066	SH. TACHIK DUGGONG	170	100	17000
6	18.750	3197037.035	672480.066	SH. LIYIT PANOR	60	70	4200
7	20.450	3198684.09	672985.253	SH. BANGGO DUGGONG	180	80	14400
8	22.531	3199881.763	673251.277	SH. VIKASH MIBANG	75	100	7500
9	22.790	3200153.908	673140.965	SH. DAKTOR TEDO	110	150	6600
10	23.740	3200939.618	67330.886	SMT. NEYANG MEDO	160	25	4000
11	25.300	3201930.441	674406.522	SH. APUN TEDO	100	100	10000
12	25.400	3201981.624	674492.446	SMT. ODIYANG DUGGONG	100	100	10000
13	25.500	3202026.028	674590.961	SH. LIBON TEDO	100	100	10000
14	27.275	3202527.832	675542.727	SMT. APUN NITIK	90	30	2700
15	27.880	3202033.797	675684.664	SH. KOCHANG YAO	220	100	22000
16	29.122	3201675.857	676827.95	SH. KALEN JONGKEY	260	139	36140
17	30.925	3203183.745	676204.558	SH. LITAR DUGGONG	50	100	5000
18	30.975	3203225.731	675177.393	SH. KANGKENG DUGGONG	50	100	5000
19	33.060	3204003.012	677546.77	SH. BANGGO DUGGONG	64	55	3520
20	33.875	3204024.288	678327.211	SH. TABING YAO	110	150	16500
21	34.350	3204073.508	678680.984	SH. OTIK PANGKANG	110	100	11000
Total Area in Sqm					Total Area in Hectare		204000
							20.4

(Arman Kumar)
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(a) Length and Width of road passing through forest and non forest area.

(b) Length of road already existing constructed out of the total length involve in the project proposal.

Requisite Details as under:-

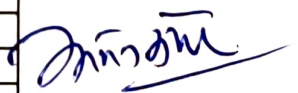
S/No.	Length	Width	Area Involved	Forest area / Non-Forest area
1	100	24	2400	Forest
2	66	24	1584	Forest
3	140	24	3360	Forest
4	60	6	360	Forest
5	114	18	2052	Forest
6	112	24	2688	Forest
7	164	24	3936	Forest
8	132	24	3168	Forest
9	138	24	3312	Forest
10	169	24	4056	Forest
11	110	24	2640	Forest
12	125	24	3000	Forest
13	93	24	2232	Forest
14	20	24	480	Forest
15	38	24	912	Forest
16	52	24	1248	Forest
17	102	24	2448	Forest
18	84	4	336	Forest
19	105	20	2100	Forest
20	60	24	1440	Forest
21	102	22	2244	Forest
22	30	6	180	Forest
23	200	20	4000	Forest
24	57	4	228	Forest
25	68	24	1632	Forest
26	34	24	816	Forest
27	155	24	3720	Forest
28	95	24	2280	Forest
29	10	24	240	Forest
30	135	24	3240	Forest
31	10	24	240	Forest
32	18	24	432	Forest
33	60	24	1440	Forest
34	175	24	4200	Forest
35	86	24	2064	Forest
36	61	24	1464	Forest
37	81	24	1944	Forest
38	22	6	132	Forest
39	122	24	2928	Forest
40	50	24	1200	Forest
41	50	24	1200	Forest
42	133	24	3192	Forest
43	75	24	1800	Forest
44	97	20	1940	Forest
45	150	20	3000	Forest
46	128	2	256	Forest

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S/No.	Length	Width	Area Involved	Forest area / Non-Forest area
47	163	24	3912	Forest
48	195	24	4680	Forest
49	65	24	1560	Forest
50	179	20	3580	Forest
51	130	20	2600	Forest
52	30	20	600	Forest
53	20	15	300	Forest
54	20	9	180	Forest
55	30	20	600	Forest
56	102	20	2040	Forest
57	50	9	450	Forest
58	25	3	75	Forest
59	195	22	4290	Forest
60	148	24	3552	Forest
61	171	22	3762	Forest
62	71	20	1420	Forest
63	19	20	380	Forest
64	97	20	1940	Forest
65	192	15	2880	Forest
66	285	6	1710	Forest
67	118	15	1770	Forest
68	144	19	2736	Forest
69	30	5	150	Forest
70	126	20	2520	Forest
71	30	4	120	Forest
72	30	24	720	Forest
73	40	24	960	Forest
74	60	24	1440	Forest
75	215	24	5160	Forest
76	50	24	1200	Forest
77	260	20	5200	Forest
78	10	24	240	Forest
79	61	24	1464	Forest
80	51	24	1224	Forest
81	78	24	1872	Forest
82	31	24	744	Forest
83	19	24	456	Forest
84	58	24	1392	Forest
85	48	24	1152	Forest
86	80	22	1760	Forest
87	32	2	64	Forest
88	32	2	64	Forest
89	46	24	1104	Forest
90	25	2	50	Forest
91	163	20	3260	Forest
92	50	4	200	Forest
93	145	20	2900	Forest
94	30	4	120	Forest
95	66	24	1584	Forest
96	69	24	1656	Forest
97	64	24	1536	Forest
98	45	24	1080	Forest


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S/No.	Length	Width	Area Involved	Forest area / Non-Forest area
99	100	18	1800	Forest
100	40	6	240	Forest
101	90	24	2160	Forest
102	54	24	1296	Forest
103	64	21	1344	Forest
104	64	3	192	Forest
105	30	24	720	Forest
106	84	24	2016	Forest
107	86	24	2064	Forest
108	83	24	1992	Forest
109	30	18	540	Forest
110	30	6	180	Forest
111	77	24	1848	Forest
112	104	24	2496	Forest
113	90	15	1350	Forest
114	60	9	540	Forest
115	48	9	432	Forest
116	70	24	1680	Forest
117	203	24	4872	Forest
118	85	24	2040	Forest
119	64	24	1536	Forest
120	60	24	1440	Forest
121	140	24	3360	Forest
122	70	24	1680	Forest
123	80	24	1920	Forest
124	60	24	1440	Forest
125	100	24	2400	Forest
126	70	24	1680	Forest
127	30	24	720	Forest
128	150	24	3600	Forest
129	148	20	2960	Forest
130	114	20	2280	Forest
131	217	24	5208	Forest
132	335	24	8040	Forest
133	50	20	1000	Forest
134	178	20	3560	Forest
135	130	20	2600	Forest
136	240	24	5760	Forest
137	30	24	720	Forest
138	30	20	600	Forest
139	120	24	2880	Forest
140	30	24	720	Forest
141	155	24	3720	Forest
142	30	20	600	Forest
143	135	24	3240	Forest
144	30	20	600	Forest
145	120	24	2880	Forest
146	110	24	2640	Forest
147	50	20	1000	Forest
148	40	24	960	Forest
149	100	24	2400	Forest
150	81	24	1944	Forest

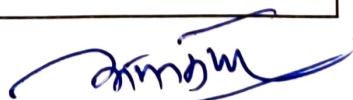

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S/No.	Length	Width	Area Involved	Forest area / Non-Forest area
151	30	20	600	Forest
152	200	24	4800	Forest
153	108	24	2592	Forest
154	248	24	5952	Forest
155	137	24	3288	Forest
156	67	24	1608	Forest
157	181	24	4344	Forest
158	261	24	6264	Forest
159	51	24	1224	Forest
160	114	24	2736	Forest
161	70	24	1680	Forest
162	105	6	630	Forest
163	105	18	1890	Forest
164	101	9	909	Forest
165	101	15	1515	Forest
166	33	24	792	Forest
167	33	24	792	Forest
168	273	24	6552	Forest
169	260	24	6240	Forest
170	137	20	2740	Forest
171	163	20	3260	Forest
172	30	15	450	Forest
173	450	24	10800	Forest
174	155	20	3100	Forest
175	65	24	1560	Forest
176	85	24	2040	Forest
177	222	20	4440	Forest
178	118	18	2124	Forest
179	163	24	3912	Forest
180	86	20	1720	Forest
181	66	24	1584	Forest
182	35	24	840	Forest
183	145	24	3480	Forest
184	85	24	2040	Forest
185	49	24	1176	Forest
186	66	18	1188	Forest
187	30	18	540	Forest



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S/No.	Length	Width	Area Involved	Forest area / Non-Forest area
188	143	24	3432	Forest
189	30	24	720	Forest
190	67	24	1608	Forest
191	47	18	846	Forest
192	30	20	600	Forest
193	83	24	1992	Forest
194	52	24	1248	Forest
195	37	18	666	Forest
196	81	23	1882	Forest
197	15	24	360	Forest
198	100	24	2400	Forest
199	94	24	2256	Forest
200	47	24	1128	Forest
201	30	24	720	Forest
202	58	6	348	Forest
203	58	18	1044	Forest
204	40	24	960	Forest
205	80	24	1920	Forest
206	30	24	720	Forest
207	20	24	480	Forest
208	95	24	2280	Forest
209	50	24	1200	Forest
210	55	24	1320	Forest
211	55	24	1320	Forest
212	50	24	1200	Forest
213	50	9	450	Forest
214	45	9	405	Forest
215	95	6	570	Forest
216	80	24	1920	Forest
217	50	24	1200	Forest
218	55	24	1320	Forest
219	82	24	1968	Forest
220	133	20	2660	Forest
221	10	4	40	Forest
222	90	24	2160	Forest
223	10	4	40	Forest
224	78	20	1560	Forest
225	122	24	2928	Forest
226	30	24	720	Forest
227	106	24	2544	Forest
228	85	24	2040	Forest
229	123	24	2952	Forest
230	142	24	3408	Forest
231	70	24	1680	Forest
232	105	24	2520	Forest
Total Area in Sq Mtr			449200	
Total Area in Hectare			44.92	



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S/No.	Length	Width	Area Involved	Forest area / Non-Forest area
Muck Disposal Locations				
1	56	60	3360	Forest
2	68	60	4080	Forest
3	60	100	6000	Forest
4	50	100	5000	Forest
5	170	100	17000	Forest
6	60	70	4200	Forest
7	180	80	14400	Forest
8	75	100	7500	Forest
9	110	150	6600	Forest
10	160	25	4000	Forest
11	100	100	10000	Forest
12	100	100	10000	Forest
13	100	100	10000	Forest
14	90	30	2700	Forest
15	220	100	22000	Forest
16	260	139	36140	Forest
17	50	100	5000	Forest
18	50	100	5000	Forest
19	64	55	3520	Forest
20	110	150	16500	Forest
21	110	100	11000	Forest
Total Area in Sqm			204000	
Total Area in Hectare			20.4	

Total Forest area
Non-Forest Area

65.32 ha
Zero



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