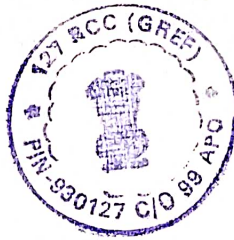



UNDERTAKING FOR ADDITIONAL NPV

This is hereby Undertake to bear the additional cost towards Net Present Value(NPV) as demanded by the forest Department and undertake to pay the additional amount if any, due to escalation or any other charges etc., later as per demand raised by the forest department. We also undertake to deposit the said additional cost to the concerned authorities of forest department as advised, in-respect of the project "DIVERSION OF FOREST LAND FOR CONSTRUCTION OF NELYA-DHAULA ROAD FROM 0.91 KM TO 34.124 KM AND LINK ROAD TO BHAWANI POST OF 2.39 KM (NET LENGTH 35.604 KM) BY BRTF IN TAWANG DISTRICT OF ARUNACHAL PRADESH".

Station: C/o 99 APO

Dated: 27 Apr 2023




(Rahul Bhola)
Maj
Officer Commanding


UNDERTAKING FOR MINIMUM FELLING OF TREES

This is to undertake that only minimum no. of trees will be felled/removed for the project "DIVERSION OF FOREST LAND FOR CONSTRUCTION OF NELYA-DHAULA ROAD FROM 0.91 KM TO 34.124 KM AND LINK ROAD TO BHAWANI POST OF 2.39 KM (NET LENGTH 35.604 KM) BY BRTF IN TAWANG DISTRICT OF ARUNACHAL PRADESH".

Station: C/o 99 APO

Dated: 28 Apr 2023




(Rahul Bhola)
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Officer Commanding

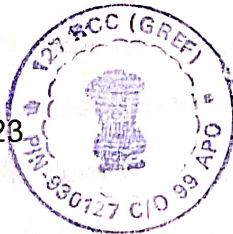
UNDERTAKING FOR PAYMENT OF EXTRACTION COST OF TREES

This is to undertake to pay the cost of extraction of trees on the forestland proposed for diversion under the project as and when demanded by the forest authorities and undertake to pay the additional amount if any due to escalation or any other charges at later date as per the demand raised by the forest authorities.

We also undertake to deposit the said cost of extraction of trees in the manner that would be suggested by the concerned forest authorities, In-Respect of the project "DIVERSION OF FOREST LAND FOR CONSTRUCTION OF NELYA-DHAULA ROAD FROM 0.91 KM TO 34.124 KM AND LINK ROAD TO BHAWANI POST OF 2.39 KM (NET LENGTH 35.604 KM) BY BRTF IN TAWANG DISTRICT OF ARUNACHAL PRADESH."

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(Rahul Bhola)
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Officer Commanding

127 RCC (GREF)
C/o 99 APO
PIN- 930127

235/FC/ND/ / E2

Apr 2023

Department of environment, forest & climate change
Itanagar

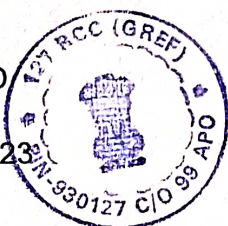
Sub: Diversion of forest land for construction of Nelya-Dhaura road from 0.91 km to 34.124 km and link road to Bhawani post of 2.39 km (net length 35.604 km) by BRTF in Tawang District of Arunachal Pradesh.

Sir,

1. Please refer your letter No FOR.3-221/Cons/2020/2142-44 dated 30th March 2023.
2. Project map in scanned SOI's toposheet in 1:50000 scale with index, latitude, longitude, geo-reference of road showing geo-coordinates of starting point & end point & signed by user agency & countersigned by DFO is now enclosed.
3. KML file of proposed area in CD is now enclosed.
4. Undertaking for Addl. NPV is now enclosed.(Appendix- A)
5. Undertaking for minimum felling of trees is now enclosed.(Appendix-B)
6. Undertaking for payment of extraction cost of trees is now enclosed. (Appendix-C)
7. Alternate route is examined & Justification for selection of proposed alignment is now enclosed. (Appendix-D)
8. Muck disposal site duly signed by user agency & countersigned by the DFO concerned with geo-coordinates is now enclosed.(Appendix-E)
8. The distance of the river and streams from the proposed muck site is now enclosed.(Appendix-F)
9. The muck dumping plan is now enclosed.(Appendix-G)
10. The proposed project is being developed as defence strategic project. Therefore, Cost- Benefit Analysis is exempted please.

Station: C/o 99 APO

Dated: 28 Apr 2023



(Rahul Bhola)
Maj
Officer Commanding

MUCK DISPOSAL SITES & THE DISTANCE OF THE RIVER AND STREAMS FROM PROPOSED MUCK SITES FOR CONSTRUCTION OF NELYA-DHAULA ROAD FROM 0.91 KM TO 34.124 KM AND LINK ROAD TO BHAWANI POST OF 2.39 KM (NET LENGTH 35.604 KM) BY BRTF IN TAWANG DISTRICT OF ARUNACHAL PRADESH.

<u>Distance of River/Streams from Proposed muck sites</u>				
S No	Muck Site	Longitude(E)	Latitude(N)	Dist. of streams and streams in Meters
1	Muck-1	91° 42' 17.028"	27° 45' 48.197"	1371 m
2	Muck-2	91° 42' 11.020"	27° 46' 11.662"	1904 m
3	Muck-3	91° 41' 47.591"	27° 45' 59.108"	2167 m
4	Muck-4	91° 41' 41.204"	27° 46' 11.338"	2582 m
5	Muck-5	91° 41' 14.654"	27° 46' 37.373"	3769 m
6	Muck-6	91° 41' 31.135"	27° 46' 45.512"	3364 m
7	Muck-7	91° 41' 42.799"	27° 46' 45.721"	3171 m
8	Muck-8	91° 41' 54.686"	27° 46' 56.442"	1407 m
9	Muck-9	91° 41' 49.384"	27° 47' 18.614"	1008 m
10	Muck-10	91° 41' 50.158"	27° 47' 28.126"	824 m
11	Muck-11	91° 41' 28.090"	27° 48' 31.615"	164 m
12	Muck-12	91° 40' 35.497"	27° 48' 42.977"	530 m

Station: C/o 99 APO

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JUSTIFICATION FOR SELECTION OF PROPOSED ALIGNMENT FOR CONSTRUCTION OF NELYA-DHAULA ROAD FROM 0.91 KM TO 34.124 KM AND LINK ROAD TO BHAWANI POST OF 2.39 KM (NET LENGTH 35.604 KM) BY BRTF IN TAWANG DISTRICT OF ARUNACHAL PRADESH.

S No	Proposed Alignment	Alternate Alignment
1	Length of road is 34.124 Km	Length of road is 51.520 km
2	Cut Average:- 4 m	Cut Average:- 5 m
3	36 Culvert in road	56 Culvert in road
4	Average vertical gradient- 5.69 %	Average vertical gradient- 4.56 %

Hence Proposed alignment is financially economical than alternate alignment and less forest area will be disturbed in proposed alignment.

Station: C/o 99 APO

Dated: 28 Apr 2023



(Rahul Bhola)

Maj

Officer Commanding

**GEO COORDINATES FOR MUCK DUMPING SITE FOR CONSTRUCTION OF
NELYA-DHAULA ROAD FROM 0.91 KM TO 34.124 KM AND LINK ROAD TO
BHAWANI POST OF 2.39 KM (NET LENGTH 35.604 KM) BY BRTF IN TAWANG
DISTRICT OF ARUNACHAL PRADESH.**

GEO-REF OF MUCK SITE							
S No	LAT				LONG		AREA (Ha)
Muck Disposal site-01	27	45	53.636		91	42	20.056
	27	45	53.676		91	42	20.722
	27	45	48.197		91	42	17.028
	27	45	48.647		91	42	15.847
Muck Disposal site-02	27	46	13.076		91	42	6.887
	27	46	12.288		91	42	11.192
	27	46	11.662		91	42	11.020
	27	46	12.414		91	42	6.628
Muck Disposal site-03	27	46	0.862		91	41	45.730
	27	45	59.846		91	41	47.447
	27	45	59.108		91	41	47.591
	27	46	0.354		91	41	44.657
Muck Disposal site-04	27	46	12.346		91	41	38.231
	27	46	11.338		91	41	41.204
	27	46	10.607		91	41	40.852
	27	46	11.651		91	41	37.817
Muck Disposal site-05	27	46	34.342		91	41	10.410
	27	46	37.373		91	41	14.654
	27	46	36.235		91	41	14.881
	27	46	33.488		91	41	11.072
Muck Disposal site-06	27	46	45.563		91	41	30.599
	27	46	45.512		91	41	31.135
	27	46	41.192		91	41	31.340
	27	46	41.254		91	41	30.818
Muck Disposal site-07	27	46	50.783		91	41	47.612
	27	46	50.416		91	41	48.214
	27	46	45.721		91	41	42.799
	27	46	46.225		91	41	42.626
Muck Disposal site-08	27	46	59.034		91	41	51.857
	27	46	59.045		91	41	52.559
	27	46	56.442		91	41	54.686
	27	46	56.017		91	41	54.362

Muck Disposal site-09	27	47	21.109		91	41	49.394	0.16
	27	47	21.473		91	41	49.844	
	27	47	18.614		91	41	49.384	
	27	47	19.212		91	41	48.980	
Muck Disposal site-10	27	47	30.610		91	41	48.854	0.24
	27	47	30.732		91	41	49.492	
	27	47	28.126		91	41	50.158	
	27	47	28.356		91	41	47.627	
Muck Disposal site-11	27	48	43.596		91	41	20.854	0.75
	27	48	43.625		91	41	21.674	
	27	48	31.615		91	41	28.090	
	27	48	31.511		91	41	27.618	
Muck Disposal site-12	27	48	47.686		91	40	37.751	0.25
	27	48	47.498		91	40	38.215	
	27	48	42.977		91	40	35.497	
	27	48	43.024		91	40	34.846	

Station: C/o 99 APO

Dated: 28 Apr 2023



(Signature)

(Rahul Bhola)

Maj

Officer Commanding