

FORM 'A'

Form for seeking prior approval under Section 2 of the proposals by the State Government and other authorities
Forest (Conservation) Act, 1980

PART-I

(to be filled up by user agency)

S.No	Detail	Remarks
01	Project Detail (i) Short narrative of the proposal and project / scheme for which the forest land is required	The project for construction of road from Patnazi to Kither (Package No:- JK04-146) is sanctioned under PMGSY of MORD . The length of the road is 15.50 Kms. <i>The proposed road will passes through villages Patnazi, Buddar, Kunow ,Kither thereby directly benefitting total population of 645 souls. The people of these villages will be socially benefitted after the completion of this road and also these villages will be directly connected to the NH1B . Along the proposed alignment of the road which has been selected keeping in view the fact that maximum benefit reaches the habitants of these villages , forest area is also involved which cannot be avoided as the proposed alignment is the only feasible alignment providing vital connectivity to the habitants .</i>
	(ii) Map showing the required forest land, boundary of adjoining forest on a 1:50000 scale map .	Enclosed
	(iii) Cost of the project	Rs. 1544.15 Lacs
	(iv) Justification for locating the project in forest area	Enclosed
	(v) Cost benefit analysis (to be enclosed)	Road will provide social benefit to the habitations which will be connected after completion and hence cost benefited analysis is not required
	(vi) Employment likely to be generated	Permanent Employment = 0 Temporary Employment = 35
02	Project wise break up of the total land required	Forest Land RD 34100 to 39370 = 5270 m x5m = 2.635 ha RD 39850 to 40100 = 250 m x5m = 0.125 ha Dumping site at RD 37160. = 0.045ha Dumping site at RD 38200. = 0.045ha Dumping site at RD 39200 = 0.045 ha Total Forest land are = 2.895ha
03	Detail of displacement of people due to the project ,if any (i) Number of families (ii) Number of Scheduled Caste / Scheduled Tribe families (iii) Rehabilitation plan (to be enclosed)	No displacement of people required along the proposed alignment of road NA NA NA
04	Whether clearance under Environment (Protection) Act, 1986, required ? Yes / No	NO
05	Under taking to bear the cost of raising and maintenance of compensatory afforestation and / or penal compensatory and regeneration of safety zone , etc as per the scheme prepared by the State Government (Undertaking to be enclosed)	Enclosed
06	Detail of certificates documents enclosed as required under the instructions.	Enclosed

Executive Engineer
PMGSY Division
Kishtwar.

Date:-

Place :-

State Serial No. Of proposal
(To be filled up by the Nodal officer with date of receipt)

MODEL PLAN RELATED TO ENGINEERING MEASURES FOR STABILIZATION OF MUCK DUMPING SITES IN FOREST AREA FOR CONSTRUCTION OF PATNAZI TO KITHER ROAD

TYPICAL ESTIMATE FOR CONSTRUCTION OF CRATED WALL TO PROTECT DUMPING SITES OF SURPLUS MUCK/ EXCAVATED MATERIAL IN FOREST AREA AS PER ENGINEERING MEASURES.

1. EARTHWORK IN EXCAVATION FOR FOUNDATION OF STRUCTURES COMPLETE AS PER DRAWING & TECHNICAL SPECIFICATION IN 70% O.S, 20% O.R, 10% H.R.


Length of crated wall= 22.50 mtrs	Amount
= 22.50 m x 2.4 x 0.7	
= 42 ^{m²} @ Rs 363/cum	
	= 15246.00

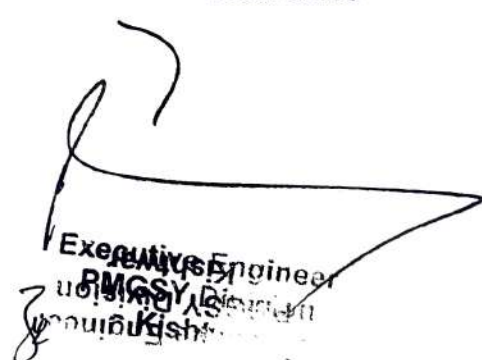
2. For three layered Crated walls

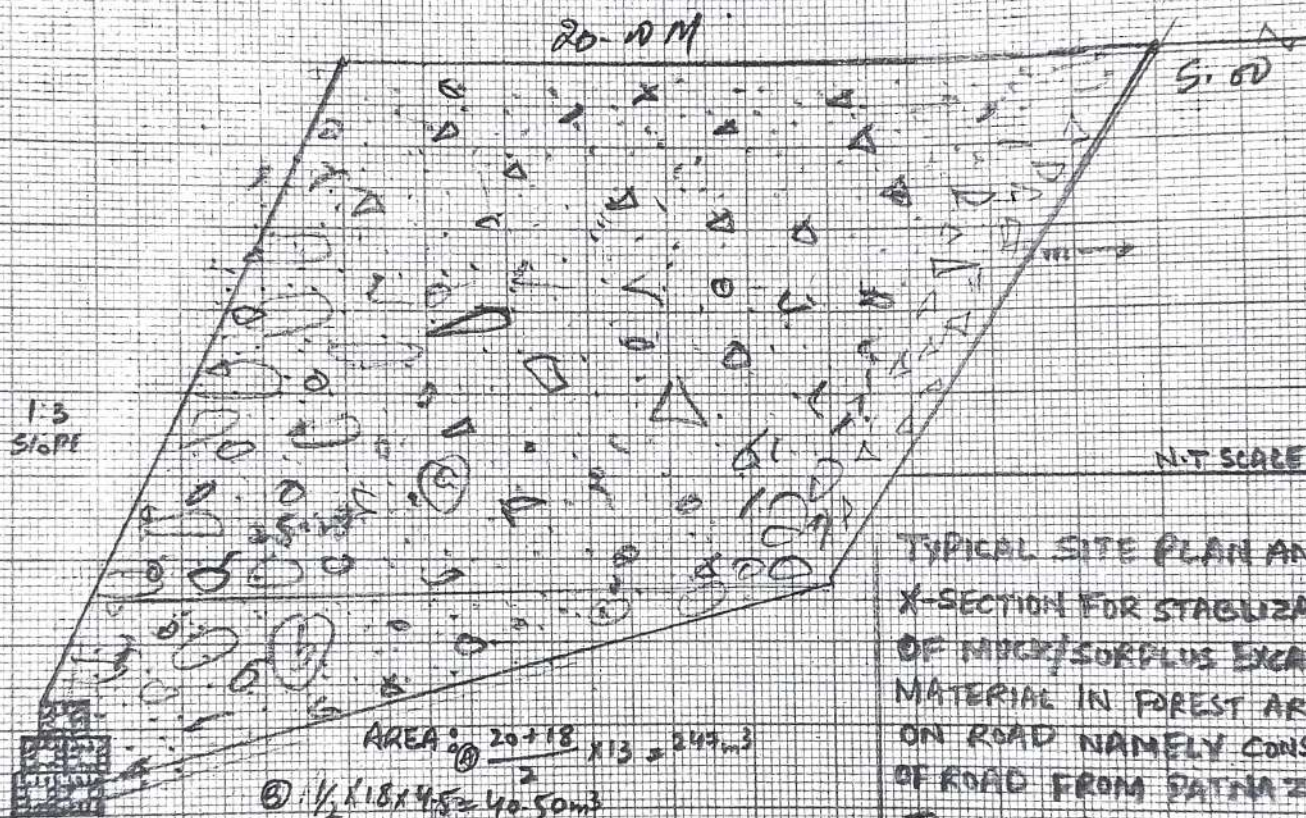
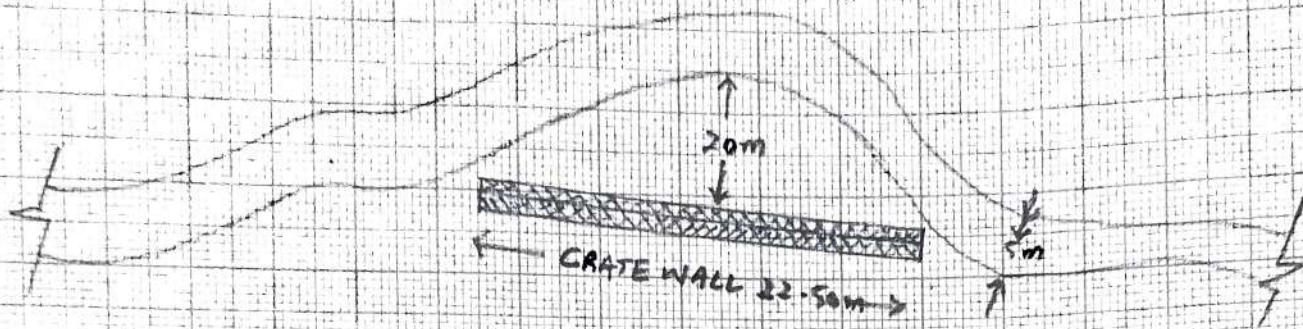
Quantity = 2 x 2 x 22.50 x 1.2 x 1.2 = 144.00	
= 1 x 1 x 22.50 x 1.2 x 1.2 = 36.00	
= 180.00 @ 2700/m ³	
	= 486000.00
Cost for one No. Dumping site	= 501246.00

Total	= 501246/-
Total amount for 3 no. D.S = 501246 x 3	

= 1503738.00


A.B.R.


Executive Engineer
PMGSY Division
Kishan



TYPICAL SITE PLAN AND
X-SECTION FOR STABILIZATION
OF MUD/SURPLUS EXCAVATED
MATERIAL IN FOREST AREA
ON ROAD NAMELY CONSTRUCTION
OF ROAD FROM PATNAZI
TO KITHAR.

$$\text{AREA} = \frac{20 + 18}{2} \times 13 = 247 \text{ m}^2$$

$$\text{② } \frac{1}{2} \times 18 \times 4.5 = 40.50 \text{ m}^2$$

$$T = 287.5 \text{ m}^2$$

$$= 287.5 \times 22.50$$

$$= 6468.75 \text{ m}^3$$



[Signature]
282

Executive Engineer
PMGSY Division
Kishtwar

[Signature]

S.NO	Name of Dumping Site	Area in Hactare	Capacity in Cum	Vol. of muck to be dumped in cum
1	Muck Dumping Site D-1	0.045	6460	6454
2	Muck Dumping Site D-2	0.045	6460	6454
3	Muck Dumping Site D-3	0.045	6460	6454
			TOTAL	19362


S.R.


Executive Engineer
PMGSY Division
Kishtwar


Full Title of Project: CONSTRUCTION OF ROAD FROM PATNAZI TO KITHER
DETAIL OF MUCK/DEBRIS TO BE PRODUCED

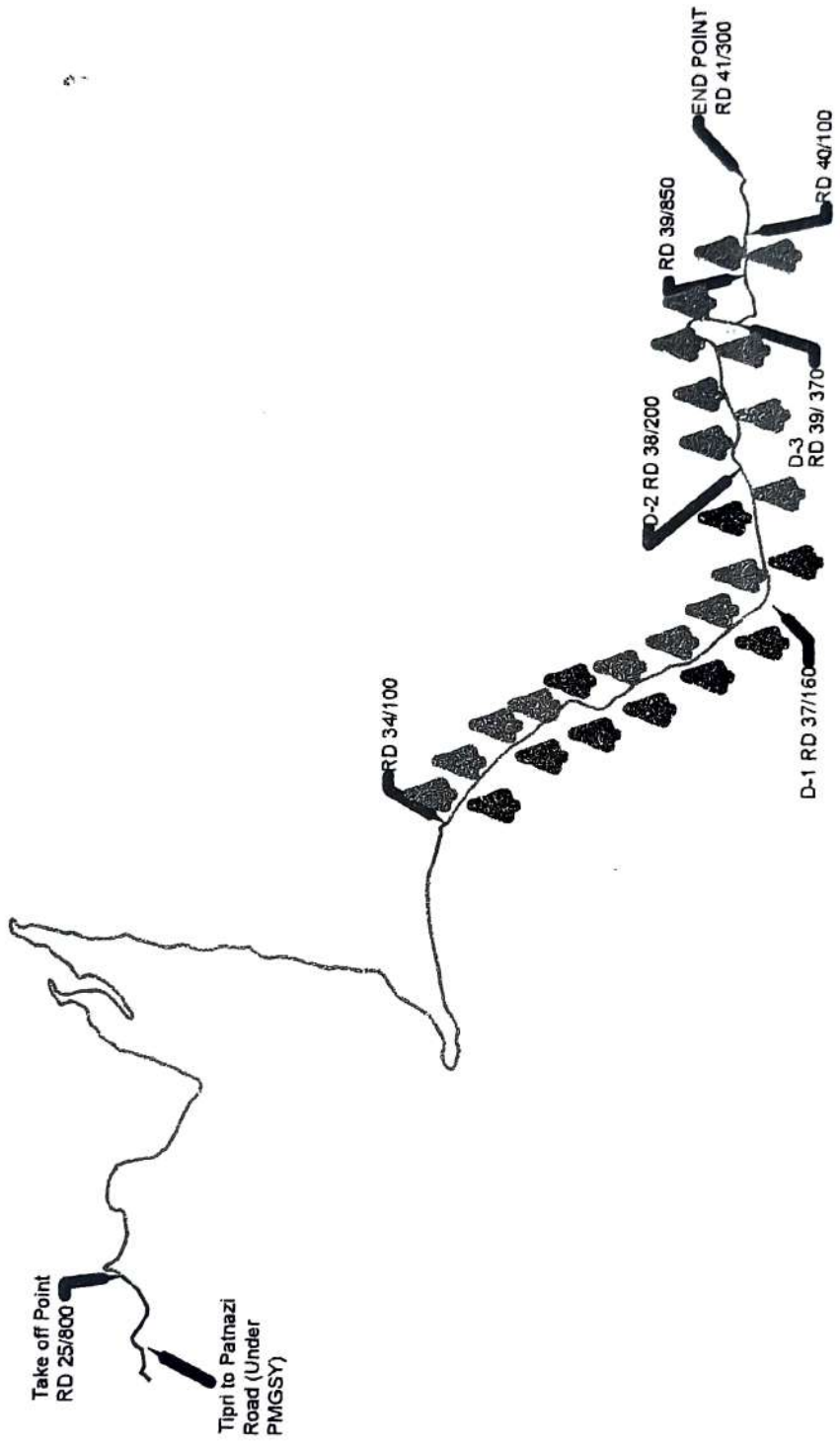
Abstract of Muck Generated And its Disposal											
Project component	Quantity of Muck/ debris generated (cum)		Estimated quantity of muck/ debris proposed to be utilized(cum)		Balance quantity of muck/ debris (cum)		Quantity of muck due to swell factor (cum)		Name of the dumping site	Area of the dumping site	Capacity of the Dumping site (cum)
	Rock	Soil	Rock	Soil	Rock	Soil	Rock (25 %)	Soil (25 %)			
ROAD	82000	15490	82000			15490		19362	Muck Dumping Site D-1	0.045	6460
									Muck Dumping Site D-2	0.045	6460
									Muck Dumping Site D-3	0.045	6460
									TOTAL		19380

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Executive Engineer
PMGSY Division

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**INDEX MAP FOR CONSTRUCTION OF ROAD FROM PATNAZI TO KITHER UNDER PACKAGE NO. JKO4-146,
PHASE-VII, STAGE-I, LENGTH= 15.500KM, PMGSY BLOCK DRABSHALLA, DISTRICT KISHITWAR.**

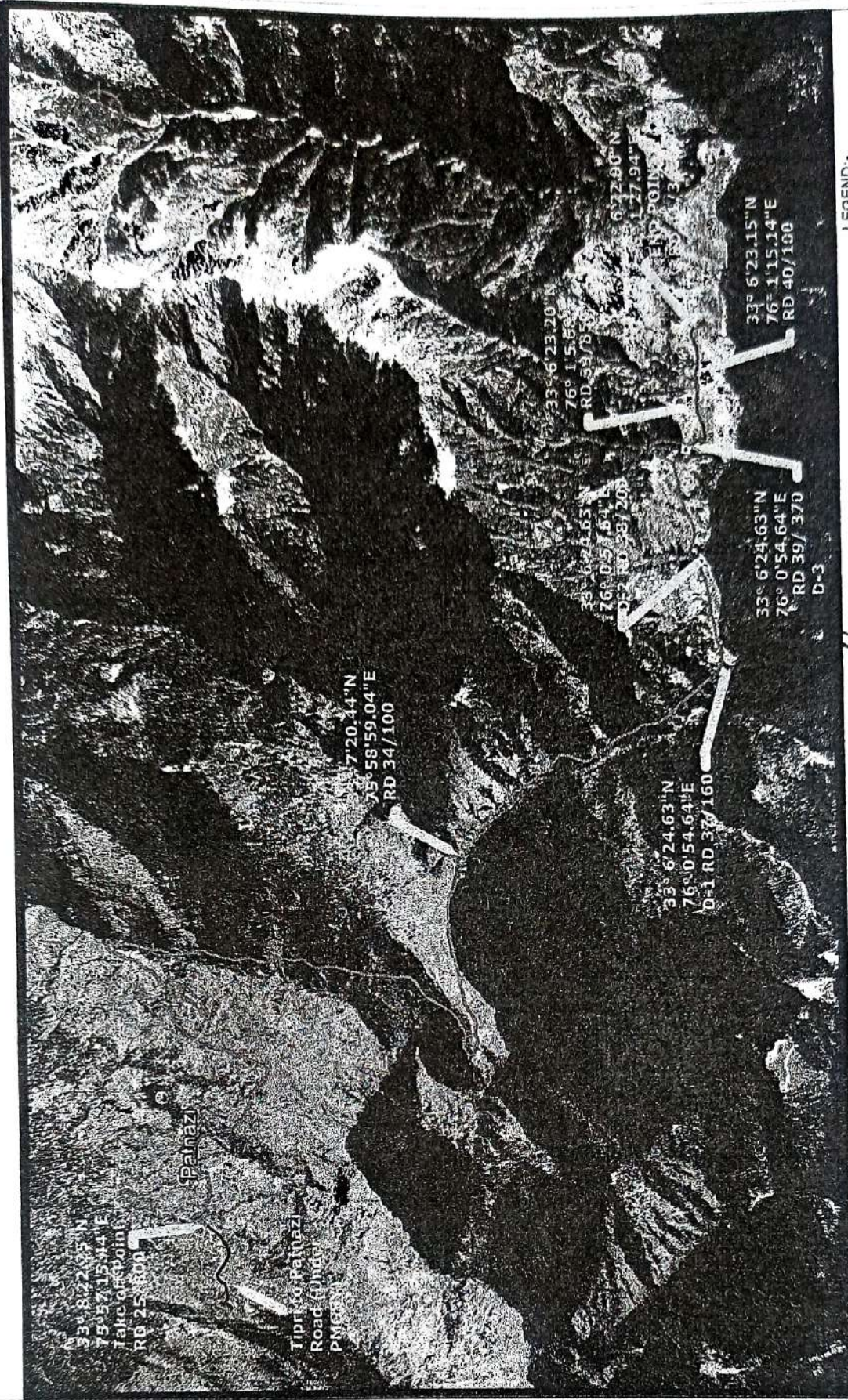


LEGEND:

1.	FOREST LAND	---
2.	PRIVATE LAND	---
3.	STATE LAND	---
4.	DUMPING (D)	---
5.	OTHER ROAD	---

**Executive Engineer
PMGSY Division Kishitwar**

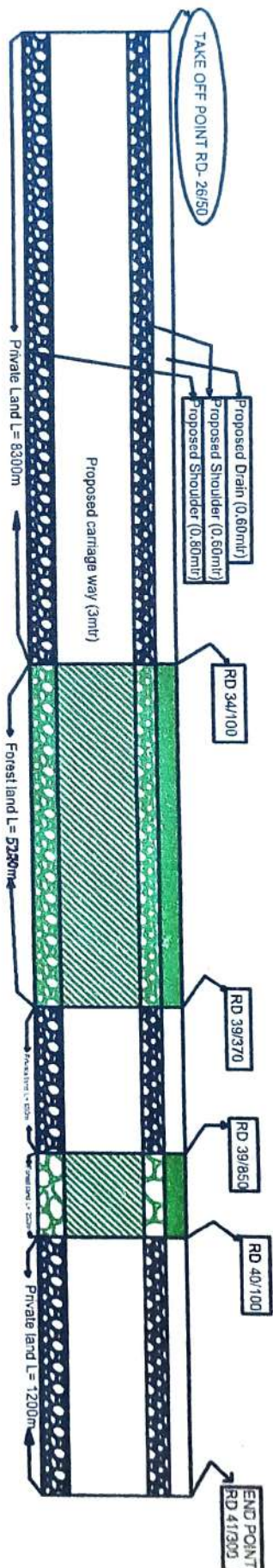
GPS MAP FOR CONSTRUCTION OF ROAD FROM PATNAZI TO KITHER UNDER PACKAGE NO. JKO4-146,
 PHASE-VII, STAGE-I LENGTH= 15.500KM, PMGSY BLOCK DRABSHALLA, DISTRICT KISHIWAR.



LEGEND:-

1.	FOREST LAND	---
2.	PRIVATE LAND	---
3.	STATE LAND	---
4.	DUMPING (D)	---
5.	OTHER ROAD	---

Executive Engineer
 PMGSY Division Kishinagar



LAYOUT PLAN

FOREST AREA DETAIL

RD 34/100 TO RD 39/370 = 5270m x 5m = 26350 sqm
RD 39/850 TO RD 40/100 = 250m x 5m = 1250 sqm
= 27600 sqm
= 2.76 Ha

SITE PLAN FOR DIVERSION OF FOREST LAND FOR PROPOSED CONSTRUCTION OF "PATNAZI TO KITHER" ROAD.

PKG NO: JK04-146

SCALE USED - AS SHOWN

Executive Engineer
PMGSY Division
Kishtwar

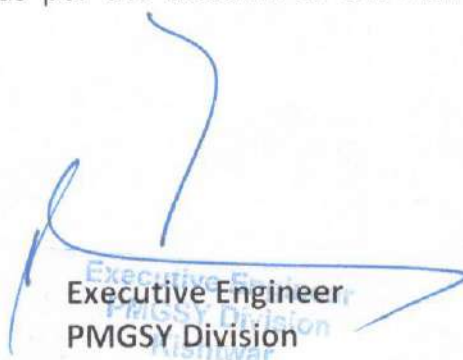
Full Title of the Project: Construction of the road from Patnazi to Kither.

File No: FP/JK/ROAD/118616/2021

Date of Proposal: 16-01-2021

UNDERTAKING FOR PAYMENT OF NET PRESENT VALUE OF FOREST AREA

It is to certify that I Mohinder Kumar, Executive Engineer PMGSY Division Kishtwar, have applied for diversion of 2.895 Ha. of Forest area for the purpose of "Construction of road from Patnazi to Kither". I hereby undertake to pay the net present value (NPV) of the above forest land. I also hereby undertake to pay the additional amount of NPV, if so determined as per the decision of the Hon'ble Supreme Court, at a later date.



Executive Engineer
PMGSY Division
Kishtwar

Counter Signed by:-



Divisional Forest Officer
Forest Division Kishtwar
Kishtwar

Office of the Conservator of Forests, Chenab Circle Doda

Head Quarter Doda

Tel/Fax: 01996-233590 Email: cfcchenab@gmail.com

Sub: CA in lieu of land to be diverted under FCA proposal regarding construction of road from Patnazi to Kither in Kishtwar Forest Division (Forest Proposal No FP/JK/Road/118616/2021).

Ref: DFO Kishtwar's letter No. 23/FCA/KFD dated. 23-04-2021.

ORDER

The work proposal for Compensatory Afforestation to be done in lieu of diversion of 2.895 Ha of forest land in Kishtwar Forest Division for "Construction of road from Patnazi to Kither in Kishtwar Forest Division (Forest Proposal No FP/JK/Road/118616/2021)." to the tune of ₹ 11.428 lacs, prepared and submitted by the Divisional Forest Officer, Kishtwar Forest Division.

In exercise of the powers vested to the undersigned in terms of notification S.O 10 of 2021 dated. 08-01-2021 issued by the Finance Department vide No. A/FR/2019/J-468 dated. 08-01-2021, the approval/sanction is here by accorded as per the given detail below:

Proposal No.	Location	Area involved for Diversion	Area of C.A Plan	Canopy Density	Spp. to be planted
FP/JK/Road/118616/2021	Bakerwalkeri Bunjwah	2.895 Ha	6 Ha	0.3 to 0.4 %	Deodar

The approval/sanction is subject to the following conditions:-

1. All the terms and conditions as per the provisions of Forest Conservation Act, 1980 w.r.t Compensatory Afforestation are complied with.
2. That the existing forest tariff rate schedule shall be applicable.
3. That the DFO Kishtwar Forest Division shall be the implementing agency for executing the C.A Plan.

Sat Paul, IFS

Conservator of Forests
Chenab Circle

No:-

655-56/CFC

Date:-

27/04/2021

Copy to:-

1. The Chief Conservator of forest Jammu.
 2. Divisional Forest Officer Kishtwar.
-for information and necessary action.

Model Compensatory Afforestation

Full Title of the Land Diversion Project: - **Construction of Road from Patnazi to Kither**

File No: - **FP/JK/Road/118616/2021**

Date of Proposal: - **16-01-2021.**

Name of Forest Division (Whether Forest land is proposed to be diverted):- **Kishtwar**

Forest Area to be diverted: - **2.895 Ha.**

Details of land where C.A is to be carried out:-

Degraded forest land Yes / No **Yes** Area: **06** Ha

Non Forest land Yes / No **No** Area **___** Ha

Forest Division: - **Kishtwar**

District: - **Kishtwar**

Range: - **Kishtwar**

Tehsil: - **Bunjwah**

Compartment No: - **5/Kishtwar**

Khasra No (for Non Forest land) -----

C.A Site (Name of the location):-**Bakerwalkeri Bunjwah** Area (in Ha) **06 Ha.**

C.A Site Geo Coordinates:

Starting Point: Latitude: - **33° 06' 31.21"** Longitude: - **76° 01' 43.20"**

Ending Point: Latitude: - **33° 06' 41.87"** Longitude: - **76° 01' 44.11"**

In case of non-forest area identified for C. A then what is distance of C. A site from the adjoining forest boundary:_____.

I. Description of C. A site.

- a). Soil type: **Sandy**
- b). Topography: hilly / undulating / pain: **Hilly**
- c). slop: steep / medium / gentle: **Steep**
- d). For non forest land description of existing vegetation / root stock and density: --
- e). In case degraded forest land description of forest type and crown density:

Forest type: **Himalayan Moist Temperate Forests**

Crown density: **0.3 to 0.4**

Modal CA for 1 ha in Degraded Forest in Jammu Region

S. No.	Description			Rate (in Rs)	Total Amount (in Rs.)
		Unit	No		
A	1st year cost of Afforestation	No	6000	40.03	240180
1	2 nd year Maintenance				60045
3	3 rd year Maintenance				24018
4	4 th year Maintenance				12009
5	5 th year Maintenance				12009
6	6 th year Maintenance				12009
7	7 th year Maintenance				12009
8	8 th year Maintenance				12009
9	9 th year Maintenance				12009
10	10 th year Maintenance				12009
					408306
B	Other Afforestation Interventions (As per the requirement of the site condition)				
1	Patch Sowing	No of Patches	1200	6.99	8388
C	Fencing:				
1	Square PCC Post Fencing (4 Strand)	Rft	3600	72.78	262008
2	Fencing Repair	Rft	3600	16.74	60264
D	Pruning and Training of Existing Root Stocks:	No	--	--	--
Total C.A Charges					738966
E	Soil & water conservation and protection measures like construction of fire lines and inspection path.				300000
	Total (A+B+C+D+E)				1038966
F	Supervisory / Watch & ward / Overhead / Miscellaneous Charges: (10% of the C.A Charges)				103897
	Grand Total: (A+B+C+D+E+F)				1142863

III Technical Details: Technical details of Compensatory Afforestation Scheme are as follows:

- i) General Details
- ii) Plantation Method **Pit Plantation**
- iii) Spacing **3x3 Mtrs**
- iv) Species proposal to the planted **Deodar PB**
- v) Silviculture Operation **Patch Sowing**
- vi) Soil & Moisture Conversation Works **DRSM works**
- vii) Protection (Fencing, Watch & Ward , People's Participation etc) **Fencing/ Watch & ward**
- viii) Proposed Monitoring Mechanism **At Divisional level**
- ix) Any Other information_____


Divisional Forest Officer,
Kishtwar.

Biological Measures for Stabilization of Muck Dumping Site

Name of Proposal- Construction of Road from Patnazi to Kither

Proposal No.- FP/JK/ROAD/118616/2021

Date of Proposal:- 16-01-2021

S. No	Item of Work	Unit	Quantity	Rate	Amount
1	Fencing Using Square fence post conforming to product code PCFP 3 at spacing of 10 & 5 strands of Galvanized Barbed wire with 2 Criss cross conforming to the product code GA-W all fence post be fixed in the cement concrete 116 11 Cement & coarse sand: 6 stone aggregate 40 mm nominal size) block of size 1611	Rft.	200	100	20000
2	Afforestation (1st year)				
(i)	Plantation: Poly bagged Planting of fast-growing soil binding local species (Trees/Shrubs) in pits of size (45x45x45) cm in staggered fashion along the contour	Nos.	300	29.34	8802
(ii)	Agave:- Agave bulbs planted between interspaces of plants open spaces & along the fence line of size	Nos.	600	15.45	9270
(iii)	Grass sips :- (soil binding grasses Viz vetivers, Napier Saccharum munja & Arundo donax)	Nos.	600	6.35	3810
(iv)	Cutting- Ipomea/Vitex/ Popular/Salis/ Mulberry (area specific)	Nos.	150	6	900
(v)	Seed ball:- Broad casting/dibbling of seed balls	Nos.	150	2.35	353
	Total				23135
3	Maintenance for 9 years: 2nd year 25%+3rd year @ 10% + 4th year to 10th year 7 @5%=70% of afforestation	Year			6161
4	Geo Textile Mat	Sq.M	150	300	45000
	Total(1+2+3+4)				94296
5	Overhead 10% of total				9430
	Grand Total				103726

Say =1.04


Divisional Forest Officer,
Kishtwar.



Latitude: 33.107194
Longitude: 76.032225
Elevation: 2433.59 m
Accuracy: 9.6 m
Time: 14-08-2020 10:16

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