

Compensatory Afforestation Scheme

Wage rate @450 per day

Full Title of the Forest Land Diversion Project:	220 KV Drass- Padum Transmission Line under PMDP	
File Nos	FP/LA/ROAD/151761/2022	
Date of Proposal:	30-01-2022	
Name of the Forest Division (where forest land is proposed to be diverted).	Kargil Forest Division	
Forest Area to be diverted. (Ha)	5.14 Ha	
Forest/NFL area to be planted. (Ha)	5.14 Ha	
No of poles/plants to be felled/damaged.	8130	
No of plants to be planted.	12850 (12850 plants at the spacing of 6ft plant to plant distance in pit size 1.5X1.50X1.5 ft which is a prevalent and successful practice for afforestation in this region and to reduce evapotranspiration)	
Details of land where C.A. is to be carried out:		
Degraded forest land.	0	
Area(Ha)	5.14	
Non-forest land.	yes	
Forest Division	Kargil Forest Division	
District	Kargil	
Range	Zanskar	
Tehsil	Zanskar	
Compartment No	NA	
Khasra No	824	
CA site (Name of Location)	Chenu nallah Abran Zanskar	
CA area (in Ha)	5.14	
C.A.. Site Geo Coordinates:		
Starting Point: Latitude 33° 46' 42.12' ' N , Longitude 76° 28' 15.25' ' E		
Ending Point: Latitude 33° 46' 28.34' ' N Longitude 76° 27' 52.22' ' E		
In case of non-forest area identified for CA, then what is the distance of CA. site from the adjoining forest boundary	11 km	
Description of C.A. Site.		

a) Soil type:	Sandy loam	
b) Topography: Hilly/Undulating/plain:	plain	
c) Slope: Steep/medium/gentle:	gentle	
d) For non forest land- description of existing vegetation root stock and density.	Barren land	
e) In case of degraded forest land-description of forest type and crown density.	NA	

II COMPENSATORY AFFORESTATION SCHEME (State land in Ha)						5.14
S No	Description	unit	no	Rate (in Rs)	Total Amount (in Rs)	
A	1 st year cost of Afforestation	Nos	12850	58.24	748384	
1						
2	2 nd Year maintenance	Nos	3212	58.24	187066	
3	3 rd Year maintenance	Nos	1927	58.24	112228	
4	4 th Year maintenance	Nos	1285	58.24	74838	
5	5 th Year maintenance	Nos	1285	58.24	74838	
6	6 th Year maintenance	Nos	1285	58.24	74838	
7	7 th Year maintenance	Nos	1285	58.24	74838	
8	8 th Year maintenance	Nos	1285	58.24	74838	
9	9 th Year maintenance	Nos	1285	58.24	74838	
10	10 th Year maintenance	Nos	1285	58.24	74838	
A	Total				1571544	
B	Fencing					
1	Fencing using chainlink (size 5 ft height 4' ' ' x4' ' ' mesh) with angle iron fence post at a distance of 10 ft standard angle section 2.14mtr long with 15cm foot/tee and bottom with hole drilled and top bend(50mmx50mmx6mm) strengthening with nut bolts and washer as required complete as job	Rft	5300	440	2332000	As per PWD Schedule Rate Subject to actual
	Total CA Charges (A+B)				3903544	
C	Soil & water conservation and protection measures like construction of Crate bunds 16ft x4ftx4ft	No	140	27000	3780000	
D	Irrigation network					
	Earth excavation for construction of main khul by mannual means . 1006mx3mx2m=6036 cum	cum	6036	647.61	3908974	As per Ladakh schedule of rate 2024
	Earth excavation for construction of side khul and channel by mannual means . side khul- 4x726x0.60mtrx0.45m=784.08cum 283x85mx0.15mx0.15m= 541.23cum (784.08+541.23=1325.31cum)	cum	1325.31	647.61	858284	
	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 20	cum	6036	7795.18	4705170	

	mm nominal size derived from natural sources) 1x1006mx3mx2m=6036cum				
	Total (D)			9472428	
E	Overhead Charges: (10% of the C.A. Charges)			534512	
	Grand Total CA Charges (A+B+C+D+E)			17690484	
	Amount of NPV (Sheet enclosed)			5497076	
	Cost of extraction, marking & enumeration of trees /poles.			211380	
	Watch & Ward and watering for five years @Rs.450/day for 8 months in a year for five years.			5,40.000	
	Total (CA+NPV)			23938940	
	Contingency charge @5%			1196947	
	Departmental charges @17.5%			4189315	
	Grand total			29325202	
III. Technical details: -Technical details of Compensatory Afforestation Scheme are as follows:					
i.	General details:	The proposed area is barren devoid of any major vegetation			
ii.	Plantation Method:-	Pit planting			
iii	Spacing:	6 Feet			
iv	Species proposed to be planted:	willow			
v	Silvicultural Operations:	Nil			
vi	Soil & Moisture Conservation works:	Construction of crate bunds			
vii	Protection: (Fencing, Watch & Ward, People's Participation etc):	Watch and ward and involvement of local Panchayat for upkeep of plantation site and to minimize biotic interference.			
viii	Proposed Monitoring Mechanism:	As proposed by the UT in other case			
ix	Any other Information:	Nil			

Mohd Ali(SFS)

Divisional Forest Officer
Forest Division Kargil