

COMPENSATORY AFFORESTATION SCHEME

Compensatory Afforestation Scheme for forest land diversion case of Water Supply Scheme (WSS) Banjar Basti Bela Wussan (FP/JK/WATER/123462/2021) of Sindh Forest Division Ganderbal, J&K.

Full Title of the Forest Land Diversion Projects : Water Supply Scheme (WSS) Banjar Basti Bela Wussan.

File No. : FP/JK/WATER/123462/2021

Date of Proposals : 18-02-2021

Name of Forest Division (where forest land is proposed to be diverted) : Sindh Forest Division, Ganderbal

Forest Area to be diverted : 0.176 Hacs

Forest/NFL area to be planted : 0.4928 Hacs

No. of Trees to be felled = Nil

No. of Plants/poles to be damaged = Nil

No. of Plants to be planted in the Scheme = 352 No's

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

Degraded forest land Yes/No : Yes	Area: Diverted Area = 0.176 Hacs CA @ double the area = 0.352 Hacs Crop Density = 0.4 Cropped Area = 0.1408 Hacs Blank Area = 0.352 Hacs Total Area = 0.4928 Hacs
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Non-forest land Yes/No : No.

Area: ----

Forest Division : Sindh Forest Division Ganderbal

District: Ganderbal

Range : Manasbal Range Wayil

Tehsil : Ganderbal

Compartment No.40/Mbl

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

C.A. Site (Name of the location) : Shalatolla, Gutlibagh

C.A. Area : 0.4928 Hacs

C.A. Site Geo Coordinates

Starting Point: 34°16'36.36"N 74°50'18.77"E

Ending Point: 34°16'34.09"N 74°50'17.07"E

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

I. Description of C.A Site.

a. Soil type: Fertile
b) Topography: hilly/undulating/plain: Slight Hilly
c) Slop: steep/medium/gentle : Medium
d) For non forest land-description of existing vegetation/root stock and density: Not Applicable
e) In case of degraded forest land-description of forest type and crown density: Moist Temperate Forest and Crown density = <40%.

II. Plantation Model: CA plan has to be site specific considering all relevant factors including crown density of existing vegetation, type of existing vegetation, and species to be planted on an average, about 1000 plants/ ha will be planted

Modal CA for 0.352 (Cropped Area = 0.1408 Hacs) Total Area = 0.4928 Hacs in Degraded Forest

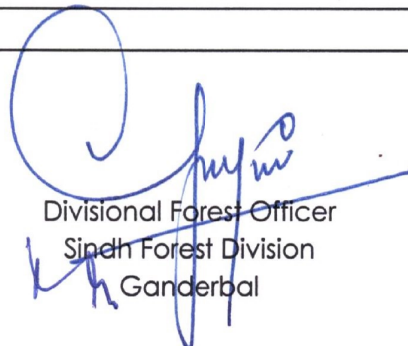
S.No	Description			Rate (In Rs)	Total Amount (In Rs)
		Unit	No.		
A	1st year cost of Afforestation	No.	352	60.70	21366.40
1	2nd Year Maintenance (BUC* @ 25%)	No.	88	60.70	5341.60
2	3rd Year Maintenance (BUC @ 10%)	No.	35	60.70	2136.64
3	4th Year Maintenance (BUC @ 5%)	No.	18	60.70	1068.32
4	5th Year Maintenance (BUC @ 5%)	No.	18	60.70	1068.32
5	6th Year Maintenance (BUC @ 5%)	No.	18	60.70	1068.32
6	7th Year Maintenance (BUC @ 5%)	No.	18	60.70	1068.32
7	8th Year Maintenance (BUC @ 5%)	No.	18	60.70	1068.32
8	9th Year Maintenance (BUC @ 5%)	No.	18	60.70	1068.32
9	10th Year Maintenance (BUC @ 5%)	No.	18	60.70	1068.32
Sub-Total					36322.88

B	Other Afforestation Intervention (As per the requirement of the site condition)				
1	Patch Sowing	No. of Patches	70.4	7.18	505.47
2	Planting of Grass Slips	No. of Slips	70.4	6.35	447.04
C	Fencing				
1	Angle Iron Barbed Wire Fencing	Rft	891*	252	224532.00
2	Wooden Fencing				0.00
3	Chain Link Fencing				0.00
4	Fencing Repair	Rft	891	16.74	14915.34
D	Site Preparation : (Cutting, Grubbing and removal of Lantana)	Hacs	0	0	0.00
E	Pruning and Training of existing Root Stocks	No	70.4	6.35	447.04
Total C.A Charges					277169.77
F	Soil & Water Conservation and protection measures like construction of fire lines and inspection path				17600.00
Total (A+B+C+D+E+F)					294769.77
G	Overhead Charges : (10% of the C.A Charges)				29476.98
Grand Total: (A+B+C+D+E+F+G)					324246.75
IV. Net Present Value (NPV) of 0.176 Hacs of forest land to be diverted @ Rs.10,69,470/per Hac In Comptt. 40/Mbl (as per Annexure-A).					188227.00
Grand Total: (A+B+C+D+E+F+G+IV+V+VI)					512473.75

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

i.	General Details : The area forms part of Co.40/Mbl of Gutlibagh block, Manasbal Range Wayil. It is under the Protection Working Circle. The intervention proposed are in accordance with the Working Plan prescriptions including selection of species, soil conservation measures, fire protection etc.
ii.	Plantation Method: Pit Planting with pits of size 45x45x45 Cms
iii.	Spacing: 3mx3m
iv.	Species proposed to be planted: Deodar, Prunus, Robinia etc
v.	Silvicultural Operation: Pruning of existing root stocks
vi.	Soil & Moisture Conservation Works: ----
vii.	Protection (Fencing, Watch & Ward, People's Participation etc):- Main protection is through fencing which prevents the grazing in the area. Watch & Ward from the locality is already available under normal CAMPAs which shall be utilized for protection alongwith permanent beat staff. No new watch & ward shall be engaged. Community involvement entails provision of grass and fodder shrubs to encourage stall feeding among the local communities who in lieu ensure protection to saplings planted in the area.
viii.	Proposed Monitoring Mechanism: Internal & 3rd Party Monitoring as per provisions of Department.
ix.	Any other information: -----

* 891 Rfts --- It is as per the actual measurement of the site.


 Divisional Forest Officer
 Sindh Forest Division
 Ganderbal

(Annexure-A)

CALCULATION SHEET OF NPV

(WSS Banjar Basti Bella Wussan, FP/JK/WATER/123462/2021)

S.No.	Division	Comptt. No.	Forest Area (In Hacs)	Canopy Density	Eco Class	NPV Rate (Lac Rs./Hac)	NPV Amount (Rs. In Lacs)
1	2	3	4	5	6	7	8
1	Sindh	40/Mbl	0.176	0	VI	10,69,470/-	1,88,227.00


DFO : Sindh Forest Division
Ganderbal



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null, null, null
Four Bay Rd, 191202
Lat N 34° 16' 48.1692"
Long E 74° 54' 47.4804"
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null, null, null
191202
Lat N 34° 16' 51.258"
Long E 74° 54' 55.0332"
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null, null, null
Four Bay Rd, 191202
Lat N 34° 16' 45.9192"
Long E 74° 54' 49.41"
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null, null, null
Four Bay Rd, 191202
Lat N 34° 16' 48.1368"
Long E 74° 54' 47.4552"
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