

COMPENSATORY AFFORESTATION SCHEME

Compensatory Afforestation Scheme for forest land diversion case of Water Supply Scheme (WSS) Sumbal Bala Surfraw (FP/JK/WATER/126215/2021) of Sindh Forest Division Ganderbal, J&K.

Full Title of the Forest Land Diversion Projects : Water Supply Scheme (WSS) Sumbal Bala Surfraw.
File No. : FP/JK/WATER/126215/2021
Date of Proposals : 06-03-2021

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

Forest Area to be diverted : 0.29 Hacs

Forest/NFL area to be planted : 0.58 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 = 580 No's

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

Degraded forest land Yes/No : Yes	Area: Diverted Area = 0.29 Hacs CA @ double the area = 0.58 Hacs Crop Density = <10% Blank Area = 0.58 Hacs Total Area = 0.58 Hacs
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Non-forest land Yes/No : No.	Area: ----
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Forest Division : Sindh Forest Division Ganderbal	District: Ganderbal
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Range : Sindh Range Kangan	Tehsil : Kangan
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Compartment No. 65(g)/Sindh	Khasra No (for Non Forest land) : ----
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C.A. Site (Name of the location) : Fraw Kangan	C.A. Area : 0.58 Hacs
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C.A. Site Geo Coordinates

Starting Point: 3 34°15'18.21"N 75° 4'4.72"E

Ending Point: 34°15'22.28"N 75° 4'5.61"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 = <10%.

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 0.58 Hacs in Degraded Forest

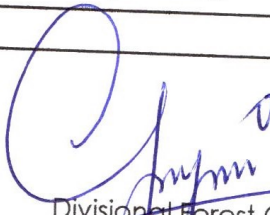
S.No	Description			Rate (In Rs)	Total Amount (In Rs)
		Unit	No.		
A	1st year cost of Afforestation	No.	580	60.70	35206.00
1	2nd Year Maintenance (BUC* @ 25%)	No.	145	60.70	8801.50
2	3rd Year Maintenance (BUC @ 10%)	No.	58	60.70	3520.60
3	4th Year Maintenance (BUC @ 5%)	No.	29	60.70	1760.30
4	5th Year Maintenance (BUC @ 5%)	No.	29	60.70	1760.30
5	6th Year Maintenance (BUC @ 5%)	No.	29	60.70	1760.30
6	7th Year Maintenance (BUC @ 5%)	No.	29	60.70	1760.30
7	8th Year Maintenance (BUC @ 5%)	No.	29	60.70	1760.30
8	9th Year Maintenance (BUC @ 5%)	No.	29	60.70	1760.30
9	10th Year Maintenance (BUC @ 5%)	No.	29	60.70	1760.30
				Sub-Total	59850.20

B	Other Afforestation Intervention (As per the requirement of the site condition)				
1	Patch Sowing	No. of Patches	116	7.18	832.88
2	Planting of Grass Slips	No. of Slips	116	6.35	736.60
C	Fencing				
1	Angle Iron Barbed Wire Fencing	Rft	1000*	252	252000.00
2	Wooden Fencing				0.00
3	Chain Link Fencing				0.00
4	Fencing Repair	Rft	1000	16.74	16740.00
D	Site Preparation : (Cutting, Grubbing and removal of Lantana)				
		Hacs	0	0	0.00
E	Pruning and Training of existing Root Stocks				
		No	116.00	6.35	736.60
Total C.A Charges					330896.28
F	Soil & Water Conservation and protection measures like construction of fire lines and inspection path				
					40600.00
Total (A+B+C+D+E+F)					371496.28
G	Overhead Charges : (10% of the C.A Charges)				
					37149.63
Grand Total: (A+B+C+D+E+F+G)					408645.91
H. Net Present Value (NPV) of 0.29 Hacs of forest land to be diverted @ Rs.10,69,470/- per Hac in Comptt. 65(g)/Sindh as per Annexure-A.					310146.30
Grand Total: (A+B+C+D+E+F+G+H)					718792.21

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

General Details : The area forms part of Co.65(g)/Sindh of Gund Block, Sindh Range Kangan. 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: -----

* 1000 Rfts --- It is as per the actual measurement of the site.


 Divisional Forest Officer,
 Sindh Forest Division
 Ganderbal
Divisional Forest Officer
Sindh Forest Division
Ganderbal

(Annexure-A)

CALCULATION SHEET OF NPV

(WSS Sumbal Bala Surfraw, FP/JK/WATER/126215/2021)


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	34/Sindh	0.29	0	VI	10,69,470/-	3,10,146.00

DFO : Sindh Forest Division
Ganderbal
Divisional Forest Officer
Sindh Forest Division
Ganderbal

Geo Map of Co.65(g)/Sindh proposed for CA of WSS Sumbal Balla Surfraw

Write a description for your map.

Legend

 CA Site for WSS Sumbal Surfraw





Latitude: 34.259329
Longitude: 75.082554
Elevation: 2204.7±12 m
Accuracy: 8.0 m
Time: 10-11-2021 14:11
Note: Redmi Note 7 Pro (Xiaomi)

Photographed by NoteCam





Latitude: 34.259304
Longitude: 75.082563
Elevation: 2208.1±11 m
Accuracy: 148.4 m
Time: 10-11-2021 14:12
Note: Redmi Note 7 Pro (Xiaomi)

Powered by NoteCam