

Checklist No.18

Proposal of 21.6360 Ha. Forest land Proposal for Diversion for Forest land Proposal for forest clearance for 66kv LILO line for 66kv Jirval Sub-station 2.1690 Ha. & 66kv LILO line for 66kv nandgam-sub-station 7.137 Ha. & 66kv Astol-Ghanveri line 12.330 Ha. with Dog conductor on D/C Panther Tower line to fed 66kv jirval, Nandgam and Ghanveri Sub-Station under TASP scheme for the year 2019-20.

Details of degraded forest area identified for compensatory afforestation viz. Survey no/ Compt. No. / Khasra No. / Khatoni no., Village, Tehsil, District etc. along with map in appropriate scale showing the boundaries of adjoining forest areas with their use in distinct colours and GPS readings.

Sr. No	District / Division	Taluka	Range	Village	Coupe No.	F.S. No.	Compt. No.	Area for C.A.	Remarks
1	2	3	4	5	6	7	8	9	10
1	Navsari	Vansda	Vansda East	Boriyachh	A, B & C	VI	68	44.00	

Place: Valsad

Deputy Conservator of Forests
Valsad North Division

Compensatory Afforestation Scheme for degraded area

Proposal of 21.6360 Ha. Forest land Proposal for Diversion for Forest land Proposal for forest clearance for 66kv LILO line for 66kv Jirval Sub-station 2.1690 Ha. & 66kv LILO line for 66kv nandgam-sub-station 7.137 Ha. & 66kv Astol-Ghanveri line 12.330 Ha. with Dog conductor on D/C Panther Tower line to feed 66kv jirval, Nandgam and Ghanveri Sub-Station under TASP scheme for the year 2019-20.

Detailed scheme of Compensatory Afforestation for degraded area 44.00 ha. To be carried out in lieu of 21.6360 ha. Of Resver Forest land to be diverted in Valsad District.

1 Details of degraded land

Village	:	Boriyachh
Taluka	:	Vansda
Range	:	Vansda East
District	:	Navsari
Division	:	Valsad North Division
Block/Patal, Compartment No.	:	68
Area to be afforested	:	44.00 ha.
Working Circle	:	Conservation Working Circle

2 Description of Area.

Soil type	Brown-Murom
Topography	Hilly
Slope	Medium
Whether the area is bearing any root stock of Vegetation	Blank

3 Name of Plantation programme:-

Compensatory Afforestation Scheme for degraded area

4 Schedule of Plantation programme:-

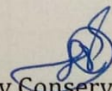
- The Compensatory Afforestation on degraded area would be started by Dupety Conservator of Forest Valsad North Division as early as a possible after the proposal is formally approved.
- Compensatory Afforestation will be done in 44.00 ha. Area. The total afforestation cost will be about **Rs.2,22,20,000/-** GETCO Navsari has given an undertaking to pay the cost of compensatory afforestation as per the prevailing wages (including the price escalation and supervision charges).

5 Technical Details:-

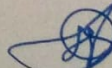
Technical Details of compensatory Afforestation are as Follows:

Sr. No.	Details	Specofications		
(a)	General Details	The C.A. will be taken under compensatory Afforestation for degraded Forest Areas. The prevailing wage rate is 324.20 per day.		
(b)	Spacement	3 X 3 mtr., 1111 plants per ha.		
(c)	Species to be planted (No. Of plants per ha.)	Khair	100	65 cm.
		Kadaya	30	75 cm.
		Bael	40	65 cm.
		Bamboo	100	65 cm.
		Harde	50	75 cm.
		Sadad	80	90 cm.
		Baheda	50	90 cm.
		Arjun Sadad	70	90 cm.
		Haldu	70	75 cm.
		Sisam	100	65 cm.
		Kalam	70	75 cm.
		Kilai	70	90 cm.
		Mahuda	70	75 cm.
		Bhilamo, Davlo, Tetu, Biyo.	61	65 cm.
		Teak	150	Stump of minimum 6 cm. Girth
Total:		1111		
(d)	Nursery Technique	Nine months old polypot raised plants will be planted at the onset of monsoon.		
(e)	Site preparation	The malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pit digging 45 X 45X 45 cms. Will be carred out in the month of Dec-jan.		
(f)	Plantation Method	Polypot raised plants will be planted during monsoon.		
(g)	Soil & moisture Conservation Works	(i) pucca structure like check dam, check wall, retaining wall. (ii) Coutour trenches 2.00 X 0.45 X 0.30, 300 Nos/ha. Will be dug along the contour line. The dug out soil will be heaped on the down ward side. Gukky plugging & nala banding using the loose stone available in the area will be carried out as per requirement. seeds of jatropha, Agava plants etc... will be planted during monsoon in the upper side of nala as per suitability.		
(h)	Protection Trench	Barbed wire fenching, seed sowing and planting of cuttings of Ipomea / Glarcidia along the fence		

	Silvicultural Operations	1st year three weeding soil working, support watering will be provided if needed. 2nd year two weeding soil working. 3rd year one weeding soil working.								
(j)	Maintenance	It is proposed to maintain the Plantation up to ten years.								
(k)	Subsequent Silvicultural Operation	Cleaning, cutback, thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan.								
(l)	Proposed monitoring mechanism	<p>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as per the following norms</p> <table><tr><td>Forester:-</td><td>100%</td></tr><tr><td>RFO:-</td><td>100%</td></tr><tr><td>ACF:-</td><td>20%</td></tr><tr><td>DCF:-</td><td>10%</td></tr></table> <p>(iii) The result of survival etc. Are maintained in the plantation register on a periodical basis, which is updated at the end of September and March each year.</p> <p>(iv) The collar girth is also to be reordered at the end of each year.</p> <p>(v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo.</p> <p>(vi) Bamboo would be of the harvestable size by the end of 4th year.</p> <p>(vii) Third party monitoring mechanism is also in the State and if the plantation is in the sample selected, it will also be monitored by the third party selected for this purpose.</p>	Forester:-	100%	RFO:-	100%	ACF:-	20%	DCF:-	10%
Forester:-	100%									
RFO:-	100%									
ACF:-	20%									
DCF:-	10%									
(m)	Regeneration cleaning	Cut-back and promotion of root suckers.								
(n)	Silvicultural & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.								


 Deputy Conservator of Forest
 Valsad North Division
 Valsad

The Compensatory Afforestation scheme at the cost of **Rs. 2,22,20,000/-** is technically and administrative approved by the undersigned.


 Deputy Conservator of Forest
 Valsad North Division

Model No - 3
Annexure -4 (1)

Compensatory Afforestation Scheme for double degraded area under FCA proposals

Dally wages Rs. 324.20

Spacements = 3 m X 3 m				
1111 seedling/ha.				
1st year replacement 10 % = 111 seedling/ha.				
2nd year replacement 20 % = 111+111 seedling/ha.				
3rd year replacement 10 % = 111 seedling/ha.				
Total seedling =1333 seedling/ha.				
polypot size : 15 cm X 25 cm X 200				
Item of work	Qty.	labour	Matrial	Total
1	2	3	4	5
0 Year				
Nursery				
(a) Cost of soil, manure, seeds, water, fertilliser, insecticides, implements, rent of land. Shade, etc. (including 10 % for casualty replacement)	1222	0	1912	1912
(b) labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	4677	242	4919
(c) seedling cost for casualty replacement in one year old (20%)	222	1478	442	1919
(d) seedling cost for casualty replacement in two year old (10%)	111	740	220	960
Total		6894	2815	9709
2. Area Development (Land Preparation)				
(a) Survey, Cutback and promotion of root suckers		3514	0	3514
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	10147	0	10147
Total		13661	0	13661
(a) Natural fertilizer (Neem cake/castor cake)	1111 @ 5.00	0	10350	10350
Total		0	10350	10350
3.SMC Works				
(a) Check wall/ retainingwall/ checkdem/ (all pucca only)	L.S	12484	24781	37264
(b) Contour trench 2 M. X 45 Cm. X 30 Cm. As per Rs.17.00/rmt (300 trench)	600 rmt.	9502	0	9502
Total		21986	24781	46767
4.Protection				
(a) Barbed wire fencing (Including Fitting)	1.00 ha= 200 rmt.	0	86900	86900
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1159	497	1656
Total		1159	87397	88556

Item of work	Qty.	labour	Matrrial	Total
Total for 0 year		43700	125344	169044
1st Year				
(a) Maintenance of nursery (April to june)	1222	3588	358	3945
(b) Transport of seedlinf o plantation	1111	1970	407	2376
(c) Planting with khamna of min 1 m. Doa	1111	6049	0	6049
(d) Transport & planting of seeding for casualty replacement	111	209	47	256
(e) 3 weeding cum soil working	1111	23578	0	23578
(f) Support watering 5 times @ 3.25		15072	21627	36699
(g) Protection /tending operation		4878	0	4878
(h) Tending to natural vegetation		1220	0	1220
(i) Contingency		0	1220	1220
Total for 1st year		56563	23657	80221
2nd Year				
(a) 2 Weeding & soil working		13095	0	13095
(b) 20% Casually replacement, transport and planting	111+111	220	1097	1317
(c) Natural fertilizer (Neem cake/castor cake) etc.	Rs.5/Plant	0	12232	12232
(d) Support watering 5 times @ 3.25		9794	14057	23852
(e) Protection /tending operation		5285	0	5285
Total for 2nd year		28395	27386	55781
3rd Year				
(a) 2 Weeding & soil working		14103	0	14103
(b) 10% Casually replacement, transport and planting	111	119	590	709
(c) Natural fertilizer Neem cake etc.	Rs.5/Plant	0	13173	13173
(d) Support watering 5 times @ 3.25		3517	5046	8563
(e) Protection & maintenance of fancing / tanding operation	L.S	7114	0	7114
Total for 3rd year		24852	18810	43662
4th Year				
(a) 2 Weeding & soil working		7554	0	7554
(b) Protection & maintenance of fancing / tanding operation	L.S	7622	0	7622
Total for 4th year		15176	0	15176
5th Year				
Protection & maintenance of fancing / tanding operation	L.S	8130	0	8130
Total for 5th year		8130	0	8130
6th Year				
Protection & maintenance of fancing / tanding operation	L.S	8639	0	8639

Item of work	Qty.	labour	Matrrial	Total
Total for 6th year		8639	0	8639
7th Year				
Protection & maintenance of fancing / tanding operation	L.S	9147	0	9147
Total for 7th year		9147	0	9147
8th Year				
Protection & maintenance of fancing / tanding operation	L.S	9655	0	9655
Total for 8th year		9655	0	9655
9th Year				
Protection & maintenance of fancing / tanding operation	L.S	10163	0	10163
Total for 9th year		10163	0	10163
10th Year				
Protection & maintenance of fancing / tanding operation	L.S	10671	0	10671
Total for 10th year		10671	0	10671
Sub Total:		225090	195197	420287
The cost of supervision / subsequental silvicultureal operations	20%	45018	39039	84057
Grand Total:		270108	234236	504345

Note:

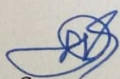
- 1 Seed sowing along fencing towards the inner side, and also in the plot.
- 2 Planting of cutting of ipomea / Glaricidia along the fencing towards outer side.

Compensatory Afforestation will be done in 1.00 ha. Area.

Total Cost Rs. 505000/-

Compensatory Afforestation for degraded area 1.00 ha.	Total Ha.	1.00 Ha. Rs.	Total Rs.
	44.00	505000	22220000

Compensatory Afforestation Total cost Rs. 2,22,20,000/-


 Deputy Conservator of Forest
 Valsad North Division
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