

Annexure 19
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Scheme of Compensary Afforestation

Detailed scheme of Compensatory Afforestation 7.00 ha to be carried out in lieu of 3.485 ha. of Protected forest land to be diverted in Surat district.

(1) **Details of degraded forest land.**

District Surat, Village., Taluka : Umarpada ,
Name of Forest Division. Surat, Range: Umarpada,

Block/ Patal, Compartment 512 Pt.

Area to be afforested. 7.00 Ha.

(2) **Description of Area.**

Soil type :- Black & Starey ,

Topography :- Plain

Slope :- Medium & Gentle

Whether the area is bearing any root stock of Vegetation Yes/No

(3) **Name of Plantation Programme : - Comp. Aff. Under 833**
Plant/Ha .

(4) **Schedule of Plantation Programme:-**

The Compensatory Afforestation on degraded forest land would be started by Dy.Conservator of Forest Surat Division as early as possible after the proposal is formally approved.

The Executive Engineer Tapi (R & B) Vyara 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 :

- (a) General Details:- The C.A will be taken under GFDP -II
The Rates are 288.80 per prevailing daily Wages
833 plants + (25 Deshi Mango) will be planted /Hect.
- (b) Spacement :- 4m x 3m
- (c) Species :-
- i) Terminalia chebula.
 - ii) Acacia catechu
 - iii) Terminalia bellerica
 - iv) Sterculia urens
 - v) Magnifera indica
 - vi) Sapindus emarginatus
 - vii) Perocarpus marsopium
 - viii) Bamboo
 - ix) Bael
- (d) Nursery Technique :-Nursery will be raised in 15 X 25 Cm. poly pots 2 year old teak atumps will be used in plantation. seeds will be seven in polypots in oct. month and 9 months old seadling of more then 45 Cm height will be raised for afforestation.
- (e) Site Preparation :- pits of 45 Cm 3 will be dug up barbarewire Fencing will be dug up supported with live hedge fence. S.M.C works Like gully Plugging ,Nala bunding & van talavadi / check dams will be constructed in advance.
- (f) Plantation Method (Size of Pit, Ploughing etc.) 45 Cm 3 Pits
858 plants/ hact.

- (g) S.M.C Works :- Gully plugging ,Nala Banding, check dam, vantlavdi.
- (h) Protection :- Barded wire fencing 400 Rmt/ hact. will be done.
- (i) Silvicultural Operations :- cutbark , singling , working of soil/ in natural Stock will be done.
- (j) Maintenance :- Protection will be done by a chowkidar.
- (k) Subsequent silvicultural Operations proposed such as cleaning , cutbacks, thiunings etc. (as per species specific requirement)
- (l) Arrangement for peoples participation (if any) for long term sustenance of the plantations. :- all grass and M.F.P. will be distributed to The villages of hear by areas.
- (m) Proposed monitoring mechanism:- 100 % Physical monitoring will be done by field staff ducly checked by A.C.F.'s.



(J.H.Rathod)

Dy.Conservator of Forests
Surat.

Model No - 2
Annexure-3 (1)

Compensatory Afforestation Scheme for double degradation areas & NPV Plantations

Daily wages Rs.288.80

Spacements = 4 m x 3 m				
833+25=858 seedling / Ha				
1st year replacement 10 % = 86 seedling /ha				
2nd year replacement 20 % = 86+86 seedling /ha				
3rd year replacement 10 % = 86 seedling /ha				
Total Seedlings = 1202 seedling /ha				
Polypot size : 20 cm x 30 cm x 250 g for 25 Deshi Mango seedlings and for other seedlings 15 cm X 25 cm X 200				
Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
0 year				
Nursery				
(a) Cost of soil, ,manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement)	944	0	1288	1288
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	944	3220	187	3407
(c) Seedling cost for casualty replacement in one year old (20%)	172	982	303	1285
(d) Seedling cost for casualty replacement in two year old (10%)	86	512	151	663
Total		4714	1929	6643
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3234	41	3275
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	833 @ 6.00	7002	0	7002
(c) Aligment and digging of pits 1 m X 1 m X 1 m	25 @ 63.00	2607	0	2607
Total		12843	41	12884
(a) Natural fertilizer (Neem cake/ Castor cake)	858 @ 5.00	0	6010	6010
Total		0	6010	6010
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12781	25395	38176
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt	600 rmt.	17080	0	17080
Total		29861	25395	55256
4. Protection				
(a) Barbed wire fencing	L.S.	3122	33195	36317
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia		662	332	994
Total		3784	33527	37311
Sub Total of 0 year		51202	66902	118104
1st Year				
(a) Maintenance of nursery (April to June)	715	1699	172	1871
(b) Transport of seedling for plantation	650	1026	211	1237
(c) Planting with khamna of Min 1 m dia	650	4682	0	4682
(d)Transport of seedling for casualty replacement	65	110	23	133
(e) 3 weeding cum soil working	650	12288	0	12288
(f) Support watering 5 times @ 3.25		7294	11833	19127
(g) Protection / tending operation		4347	0	4347
(h) Tending to natural vegetation		1087	0	1087
(i) Contingency		0	1087	1087
Total for 1st year		32533	13326	45859

Item of work	Qty.	Labour	Material	Total
2nd Year				
(a) 2 weeding & soil working		6417	0	6417
(b) 20 % Casually replacement, transport and planting	65+65	111	531	642
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	5992	5992
(d) Support watering 3 times @ 3.25		4757	6927	11684
(e) Protection / tending operation		4425	0	4425
Total for 2nd year		15710	13450	29160
3rd Year				
(a) 2 weeding & soil working		7350	0	7350
(b) 10 % Casually replacement, transport and planting	65	63	303	366
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	6866	6866
(d) Support watering 1 times @ 3.25		1835	2620	4455
(e) Protection & maintenance of fencing / tending operation	L.S.	6339	0	6339
Total for 3rd year		15587	9789	25376
4thYear				
(a) 1 weeding & soil working		3939	0	3939
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	6792	0	6792
Total for 4th year		10731	0	10731
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7243	0	7243
Total for 5th year		7243	0	7243
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7697	0	7697
Total for 6th year		7697	0	7697
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8149	0	8149
Total for 7th year		8149	0	8149
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8602	0	8602
Total for 8th year		8602	0	8602
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9054	0	9054
Total for 9th year		9054	0	9054
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9507	0	9507
Total for 10th year		9507	0	9507
SUB TOTAL :		176015	103467	279482
The Cost of Supervision/subsequential silvicultureal Operations	20%	35203	20693	55896
		211218	124160	335378

Note :-

- (1) Seed sowing along fencing towards the inner side, and also in the plot.
- (2) Planting of cutting of ipomea//Glarcidia along the fencing towards outer side.
- (3) Planting of 25 seedling of Deshi Mango in a pit size of 1 m x 1 m x 1 m along the boundary of the plot.

SAY : - 3,35,400/-

Compensatory afforestation will be done in 7.00 ha. Area.

The Total afforestation cost will be Rs. 23,47,800/-

Total Cost Rs. : 23,47,800/-

SURAT DIVISION, SURATRANGE - UMARPADA COMPARTMENT NO - 512ptCompensatory Afforestation Area - 7.00 Ha.

Dy. Conservator of Forests
Surat.

CERTIFICATE

This is to Certify that the Compensatory Afforestation Scheme of 3.485 ha. (Double area of diverted area 7.00 ha) received from the Dy. Conservator of Forests, Surat Social vide his letter No. B/Land/T-9/ 1360 Dt. 23/05/2016 for Forest land to be diverted for **Widening and Strengthening Songadh – Ukai - Serulla Road K.M. 2/8 to 11/0 Dist. Tapi** (protected forest).

The Scheme in Question has been checked and found correct as per the prevailing wage rate structure and approved MFP-2 Models of plantation.

The Compensatory Afforestation has to be carried out in **R.F.Compt. No.512 Pt. of Village Chandrapada, Taluka Umarpada, Range : Umarpada of Surat division at the cost of Rs.23,47,800/- (in words Twenty three lacs Forty Seven thousand Eight hundred rupees Only).**

There of the Compensatory afforestation Scheme in question hereby technically approved by the undersigned.

Place : Surat

Date : 10/04/2017



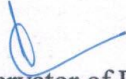
(J.H.Rathod)
Dy.Conservator of Forests
Surat.

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**Statement showing the details of degraded forest area identified
for the Compensation for afforestation.**

Sr. No	Dist.	Taluka	Village	Com pt.N o	Total area ha.	Area in degrade d forest in other scheme ha.	Area under this scheme ha.	Balance area. ha.
1	2	3	4	5	6	7	8	9
1	Surat	Umarpada	Chandrapada	512	165.88	0	7.00	158.88


Dy.Conservator of Forests
Surat.

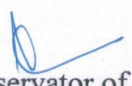
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Annexure -21

CERTIFICATE

This is to certify that I have visited 165.88 ha. area of degraded RF forest (for taking up 7.00 Ha. Of CA), of block No - / Comptt. No 512 / Survey No - of Village Chandrapada Taluka Umarpada District Surat on 08/04/2017; which has been identified for Compensatory afforestation as shown in the location map attached with the Compensatory Afforestation Scheme against the proposal for diversion of 3.485 ha. Of forest land and the said area is suitable for Compensatory afforestation. It is also certified that the Compensatory afforestation scheme suggested in the area is in consonance with the working plan prescriptions, specified for the said area.

Date: 10/04/2017
Place: SURAT


Dy. Conservator of Forests
Surat.