

Scheme of Compensary Afforestation

Detailed scheme of Compensatory Afforestation 4.00 ha (3.06 ha) to be carried out in lieu of 1.53 ha. of Protected forest land to be diverted in Surat district.

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

District Surat, Village. Mandan, Taluka : Mangrol ,
Name of Forest Division. Surat, Range: Vankal,

Block/ Zankhvav **Compartment 577 Pt.**
Area to be afforested. 4.00 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.

**Model No - 2
Annexure-3 (1)**

Compensatory Afforestation Scheme for double degradation areas & NPV Palntations

Daily wages Rs.278.40

Spacemnts = 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	1196	1196
(b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	944	3104	180	3284
(c) Seedling cost for casualty replacement in one year old (20%)	172	946	292	1238
(d) Seedling cost for casualty replacement in two year old (10%)	86	493	145	638
Total		4543	1813	6356
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3117	39	3156
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	833 @ 6.00	6749	0	6749
(c) Aligment and digging of pits 1 m X 1 m X 1 m	25 @ 63.00	2127	0	2127
Total		11993	39	12032
(a) Natural fertilizer (Neem cake/ Castor cake)	858 @ 5.00	0	5793	5793
Total		0	5793	5793
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12320	24480	36800
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt	600 rmt.	16464	0	16464
Total		28784	24480	53264
4. Protection				
(a) Barbed wire fencing	L.S.	3009	31999	35008
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia		638	320	958
Total		3647	32319	35966
Sub Total of 0 year		48967	64444	113411
1st Year				
(a) Maintenance of nursery (April to June)	715	1637	165	1802
(b) Transport of seedling for plantation	650	989	203	1192
(c) Planting with khamna of Min 1 m dia	650	4513	0	4513
(d)Transport of seedling for casualty replacement	65	106	22	128
(e) 3 weeding cum soil working	650	11845	0	11845
(f) Support watering 5 times @ 3.25		7031	11406	18437
(g) Protection / tending operation		4190	0	4190
(h) Tending to natural vegetation		1047	0	1047
(i) Contingency		0	1047	1047
Total for 1st year		31358	12843	44201

Item of work	Qty.	Labour	Material	Total
2nd Year				
(a) 2 weeding & soil working		6185	0	6185
(b) 20 % Casually replcement, transport and planting	65+65	107	511	618
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	5776	5776
(d) Support watering 3 times @ 3.25		4585	6677	11262
(e) Protection / tending operation		4265	0	4265
Total for 2nd year		15142	12964	28106
3rd Year				
(a) 2 weeding & soil working		7085	0	7085
(b) 10 % Casually replcement, transport and planting	65	60	292	352
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	6618	6618
(d) Support watering 1 times @ 3.25		1768	2525	4293
(e) Protection & maintenance of fencing / tending operation	L.S.	6110	0	6110
Total for 3rd year		15023	9435	24458
4thYear				
(a) 1 weeding & soil working		3797	0	3797
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	6547	0	6547
Total for 4th year		10344	0	10344
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	6982	0	6982
Total for 5th year		6982	0	6982
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7419	0	7419
Total for 6th year		7419	0	7419
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7855	0	7855
Total for 7th year		7855	0	7855
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8292	0	8292
Total for 8th year		8292	0	8292
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8727	0	8727
Total for 9th year		8727	0	8727
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9164	0	9164
Total for 10th year		9164	0	9164
SUB TOTAL :		169273	99686	268959
The Cost of Supervision/subsequential silvicultureal Operations	20%	33855	19937	53792
		203128	119623	322751

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 : - 3,23,000/-

Compensatory afforestation will be done in 4.00 ha. Area.
The Total afforestation cost will be Rs. 12,92,000/-

Total Cost Rs. : 12,92,000/-

The Authorized Signatory of Executive Engineer Tapi (Road & Building) Department 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 278.40 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 seedling of more than 45 Cm height will be raised for afforestation.

- (e) Site Preparation :- pits of 45 Cm 3 will be dug up barborewire 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, checkdam, vantalavdi.
- (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, thinnings 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 duely checked by A.C.F.'s.

(Punit Nayar)
Dy.Conservator of Forests
Surat.

COUNTERSIGNED

(w)
Chief Conservator of Forest
Surat Circle, Surat.

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

Sr. No	Dist.	Taluka	Village	Compt. No	Total area ha.	Area in degraded forest in other scheme ha.	Area under this scheme ha.	Balance area. ha.
1	2	3	4	5	6	7	8	9
1	Surat	Mangrol	Ratoti	577	256.96	10.00	4.00	242.96


Dy.Conservator of Forests
Surat.

CERTIFICATE

This is to Certify that the Compensatory Afforestation Scheme of 4.00 ha. (Double area of diverted area 1.53 ha.) received from the Deputy Conservator of Forests, Surat vide his letter no. A/Survey/17/1272-73 Dt. 3/11/2015 for Diversion of Protect Forest Land to be diverted to Tarsada, Kakrapar Vyara road k.m 26/250 to 27/150 (LCNO 51 RAILWAY CROSSING) new ROB road make by Executive Engineer Tapi(R&B). The Proposal in Question pertains to Deputy Conservator of Forests, Surat vide his letter no. A/Survey/17/1272-73 Dt.3/11/2015.

The Scheme in question has been checked and found correct as per the prevailing wagherate structure and approved Model-II Compensatory Afforestation Degraded for Double Degradation Areas and NPV Plantation .

The Compensatory afforestation has to be carried out in R.F.Compt. No. 577 pt. of village Mandan, Taluka-Mangrol, Range- Vankal, District Surat of Deputy Conservator of Forests, Surat at the cost of Rs. 12,92,000/- (in words twele lac. ninty two thousand Only).

Therefore Compensatory Afforestation scheme in question hereby technically and approved by the undersigned.

Place : Surat
Date : 05/11/2015.

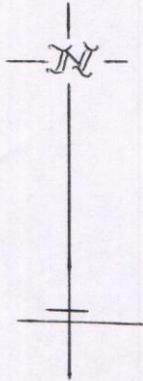
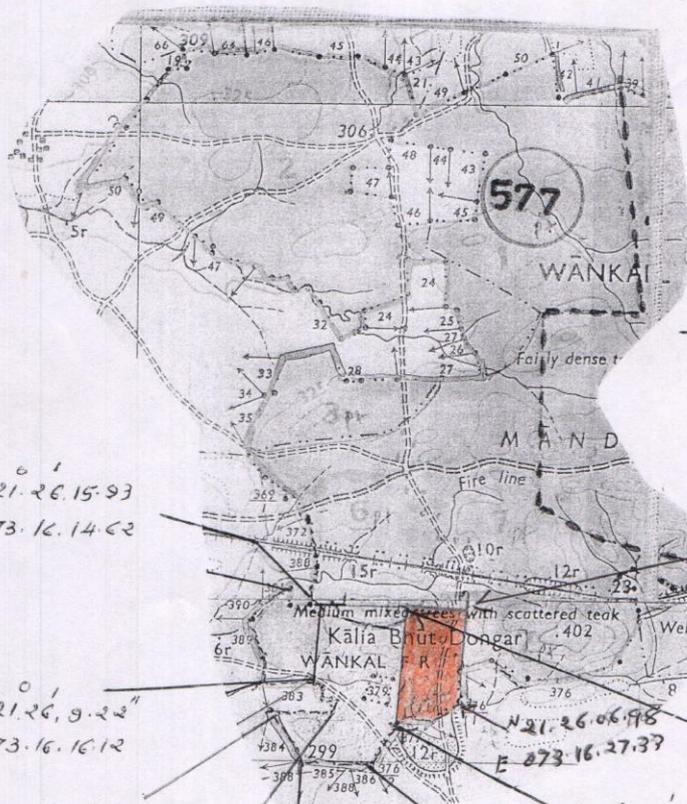



Chief Conservator of Forests
Surat Circle, Surat.

SURAT DIVISION - SURAT

Range: Vankal, Compt. No. 577 C.A. Area. 4.00 Ha

Name of Agency: Tapi (R&B) DN.



1CM = 158.40 Metres

N 21.26.15.93
E 073.16.14.62

N 21.26.14.60
E 073.16.28.62

N 21.26.9.22
E 073.16.16.12

N 21.26.06.98
E 073.16.27.37

N 21.26.15.83
E 073.16.23.14

N 21.26.7.25
E 073.16.10.55

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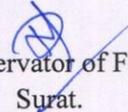
Dy. Conservator of Forests
Surat.

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CERTIFICATE

This is to certify that I have visited 256.96 ha. area of degraded RF forest (for taking up 4.00 Ha. Of CA), of block No - / Comptt. No 577 / Survey No- of Village Mandan Taluka Mangrol District Surat on 14/10 /2015 which has been identified for Compensatory afforestation as shown in the location map attached with the Compensatory Afforestation Scheme against the praposal for diversion of 1.53 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: / 11 /2015
Place: SURAT


Dy.Conservator of Forests
Surat.