

## Scheme of Compensary Afforestation

Detailed scheme of Compensatory Afforestation 10.00 ha to be carried out in lieu of 4.9932 ha. of Protected forest land to be diverted in Surat district.

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

District Surat, Village Tuled, Taluka : Mandvi

Name of Forest Division. Surat, Range: Mandvi south

**Block/ Patal, Compartment 645 Pt.**

Area to be afforested. 10.00 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 Surat Urban Development Authority Surat. 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 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.

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- (g) S.M.C Works :- Gully plugging ,Nala Banding, check dam, 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, 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 duely 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 Palntations

Daily wages Rs.288.80

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
<b>0 year</b>				
Nursery				
(a) Cost of soil, ,manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casuality 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 casuality replacement in one year old (20%)	172	982	303	1285
(d) Seedling cost for casuality replacement in two year old (10%)	86	512	151	663
<b>Total</b>		<b>4714</b>	<b>1929</b>	<b>6643</b>
<b>2. Area Development ( Land Preparation )</b>				
(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
<b>Total</b>		<b>12843</b>	<b>41</b>	<b>12884</b>
(a) Natural fertilizer (Neem cake/ Castor cake)	858 @ 5.00	0	6010	6010
<b>Total</b>		<b>0</b>	<b>6010</b>	<b>6010</b>
<b>3. SMC Works</b>				
(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
<b>Total</b>		<b>29861</b>	<b>25395</b>	<b>55256</b>
<b>4. Protection</b>				
(a) Barbed wire fencing	L.S.	3122	33195	36317
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia		662	332	994
<b>Total</b>		<b>3784</b>	<b>33527</b>	<b>37311</b>
<b>Sub Total of 0 year</b>		<b>51202</b>	<b>66902</b>	<b>118104</b>
<b>1st Year</b>				
(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 casuality 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
<b>Total for 1st year</b>		<b>32533</b>	<b>13326</b>	<b>45859</b>



Item of work	Qty.	Labour	Material	Total
<b>2nd Year</b>				
(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
<b>Total for 2nd year</b>		<b>15710</b>	<b>13450</b>	<b>29160</b>
<b>3rd Year</b>				
(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
<b>Total for 3rd year</b>		<b>15587</b>	<b>9789</b>	<b>25376</b>
<b>4thYear</b>				
(a) 1 weeding & soil working		3939	0	3939
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	6792	0	6792
<b>Total for 4th year</b>		<b>10731</b>	<b>0</b>	<b>10731</b>
<b>5thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	7243	0	7243
<b>Total for 5th year</b>		<b>7243</b>	<b>0</b>	<b>7243</b>
<b>6thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	7697	0	7697
<b>Total for 6th year</b>		<b>7697</b>	<b>0</b>	<b>7697</b>
<b>7thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	8149	0	8149
<b>Total for 7th year</b>		<b>8149</b>	<b>0</b>	<b>8149</b>
<b>8thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	8602	0	8602
<b>Total for 8th year</b>		<b>8602</b>	<b>0</b>	<b>8602</b>
<b>9thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	9054	0	9054
<b>Total for 9th year</b>		<b>9054</b>	<b>0</b>	<b>9054</b>
<b>10thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	9507	0	9507
<b>Total for 10th year</b>		<b>9507</b>	<b>0</b>	<b>9507</b>
<b>SUB TOTAL :</b>		<b>176015</b>	<b>103467</b>	<b>279482</b>
The Cost of Supervision/subsequential silviculture Operations	20%	35203	20693	55896
		<b>211218</b>	<b>124160</b>	<b>335378</b>

**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.
- (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 10.00 ha. Area.  
The Total afforestation cost will be Rs. 33, 54000/-

**Total Cost Rs. :33, 54000/-**

**Surat Division****Range – Mandvi(S), Compartment No- 645pt****Compensatory Afforestation Area – 10.00 ha.**

User Agency :- Surat Urban Development Authority Surat.

Detailed scheme of Compensatory Afforestation 10.00 ha to be carried out in lieu of 4.9932 ha. of Protected forest land.



  
Dy. Conservator of Forests  
Surat.

ANN-20 71

### CERTIFICATE

This is to Certify that the Compensatory Afforestation Scheme of 4.9932 ha. (Double area of diverted area 10.00 ha ) received from the Dy. Conservator of Forests, Surat Social vide his letter No. B/Land/T-9/ 1336. Dt. 10/05/2016 for Forest land to be diverted for **Construction of Flexible pavement for road at canal from Sarthana – Valak – Swaminarayan School at Surat –Kamrej Road to NH No- 8 Vav S.R.P camp km 0/0 to 6/570 Dist. Surat** (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. 645 Pt. of Village Tuked, Taluka Mandvi, Range : Mandvi (S) of Surat division at the cost of Rs. 33, 54000/- ( in words Thirty three lacs Fifty Four thousand rupees Only).**

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

Place : Surat

Date : 14/05/2017


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

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**INDEX SR.NO.13**

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	Mandvi	Tuked	645	337.11	4.00	10.00	323.11

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




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ANN - 21.

CERTIFICATE

This is to certify that I have visited 337.11 ha. area of degraded RF forest ( for taking up 10.00 Ha. Of CA), of block No - / Comptt. No 645 / Survey No - of Village Tuked, Taluka Mandvi District Surat on 06/05/2017; 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 4.9932 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: 19/05/2017  
Place: SURAT

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