


## CERTIFICATE

This is to certify that I have visited 256.96 ha. area of degraded RF forest ( for taking up 10.00 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 4.6074 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: 23 / 10 / 2015  
Place: SURAT

  
Dy. Conservator of Forests  
Surat.

## Scheme of Compensary Afforestation

Detailed scheme of Compensatory Afforestation 10.00 ha (9.2148 ha) to be carried out in lieu of 4.6074 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.	<u>Surat</u> .	Range:	Vankal,

**Block/ Zankhvav                      Compartment 577 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.

## Model No - 2

## Annexure-3 (1)

## Compensatory Afforestation Scheme for double degradation areas &amp; NPV Plantations

Daily wages Rs.278.40

Spacings = 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.	Labcur	Material	Total
1	2	3	4	5
<b>0 year</b>				
<b>Nursery</b>				
(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
<b>Total</b>		<b>4543</b>	<b>1813</b>	<b>6356</b>
<b>2. Area Development ( Land Preparation )</b>				
(a) Survey, cutback and promotion of root suckers		3117	39	3156
(b) Alignment and digging of pits 0.45 X 0.45 X 0.45	833 @ 5.00	6749	0	6749
(c) Alignment and digging of pits 1 m X 1 m X 1 m	25 @ 63.00	2127	0	2127
<b>Total</b>		<b>11993</b>	<b>39</b>	<b>12032</b>
(a) Natural fertilizer (Neem cake/ Castor cake)	858 @ 5.00	0	5793	5793
<b>Total</b>		<b>0</b>	<b>5793</b>	<b>5793</b>
<b>3. SMC Works</b>				
(a) Check wall/ retaining wall /checkdam (all pucca only)	L.S.	12320	24480	36800
(c) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt	600 rmt.	16464	0	16464
<b>Total</b>		<b>28784</b>	<b>24480</b>	<b>53264</b>
<b>4. Protection</b>				
(a) Barbed wire fencing	L.S.	3009	31999	35008
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia		638	320	958
<b>Total</b>		<b>3647</b>	<b>32319</b>	<b>35966</b>
<b>Sub Total of 0 year</b>		<b>48967</b>	<b>64444</b>	<b>113411</b>
<b>1st Year</b>				
(a) Maintenance of nursery (April to June)	715	1637	105	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	105	22	128
(e) 3 weeding cum soil working	650	11845	0	11845
(f) Support watering 5 times @ 3.25		7031	11405	18437
(g) Protection / tending operation		4190	0	4190
(h) Tending to natural vegetation		1047	0	1047
(i) Contingency		0	1047	1047
<b>Total for 1st year</b>		<b>31358</b>	<b>12843</b>	<b>44201</b>



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Item of work	Qty.	Labour	Material	Total
<b>2nd Year</b>				
(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
<b>Total for 2nd year</b>		<b>15142</b>	<b>12964</b>	<b>28106</b>
<b>3rd Year</b>				
(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
<b>Total for 3rd year</b>		<b>15023</b>	<b>9435</b>	<b>24458</b>
<b>4thYear</b>				
(a) 1 weeding & soil working		3797	0	3797
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	6547	0	6547
<b>Total for 4th year</b>		<b>10344</b>	<b>0</b>	<b>10344</b>
<b>5thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	6982	0	6982
<b>Total for 5th year</b>		<b>6982</b>	<b>0</b>	<b>6982</b>
<b>6thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	7419	0	7419
<b>Total for 6th year</b>		<b>7419</b>	<b>0</b>	<b>7419</b>
<b>7thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	7855	0	7855
<b>Total for 7th year</b>		<b>7855</b>	<b>0</b>	<b>7855</b>
<b>8thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	8292	0	8292
<b>Total for 8th year</b>		<b>8292</b>	<b>0</b>	<b>8292</b>
<b>9thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	8727	0	8727
<b>Total for 9th year</b>		<b>8727</b>	<b>0</b>	<b>8727</b>
<b>10thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	9164	0	9164
<b>Total for 10th year</b>		<b>9164</b>	<b>0</b>	<b>9164</b>
<b>SUB TOTAL :</b>		<b>169273</b>	<b>99686</b>	<b>268959</b>
The Cost of Supervision/subsquential silvicultureal Operations	20%	33855	19937	53792
		<b>203128</b>	<b>119623</b>	<b>322751</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 : - 3,23,000/-

Compensatory afforestation will be done in 10.00 ha. Area.

The Total afforestation cost will be Rs. 32,30,000/-

**Total Cost Rs. : 32,30,000/-**

The Authorized Signatory of 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 GIDP-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 urans
- v) Magnifera indica
- vi) Sapindus emarginatus
- vii) Perocarpus marsopium
- viii) Bamboo
- ix) Bac.

- (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 scadling of more than 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, checkdam, 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, 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 Nayyar)  
 Dy. Conservator of Forests  
 Surat.


COUNTER SIGNED

  
 Chief Conservator of Forest  
 Surat Circle, Surat.

### INDEX SR.NO.13

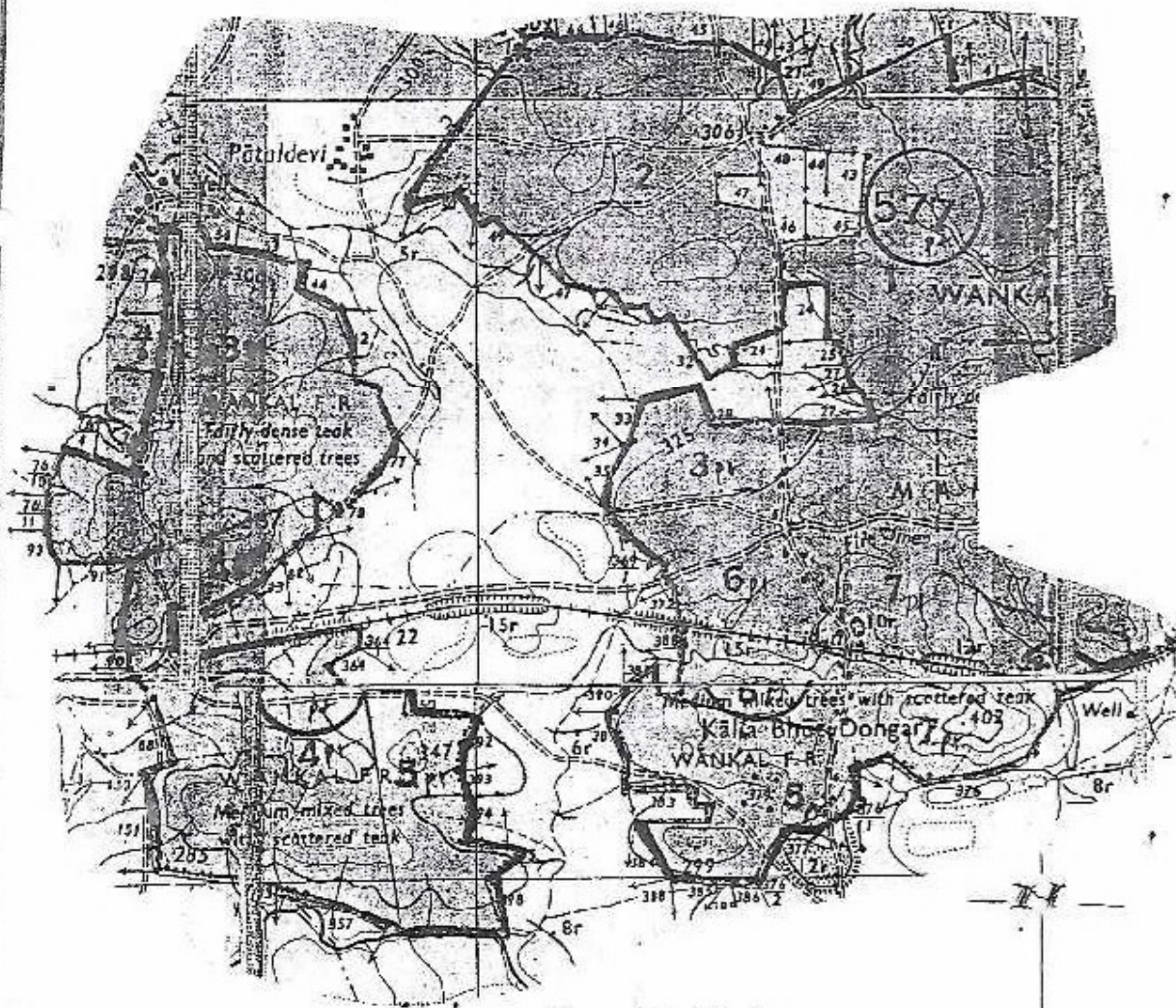
Statement showing the details of degraded forest area identified  
for the Compensation for afforestation.

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	Mangrol	Ratoti	577	256.96	-	10.00	246.96

  
 Dy. Conservator of Forests  
 Surat



**SURAT DIVISION. SURAT**  
**Range: Vankal Location: Mandan**  
**C. Area: 10 sq. Hect**



ICM-158-40 Mls



## CERTIFICATE

This is to Certify that the Compensatory Afforestation Scheme of 10.00 ha. (Double area of diverted area 4.6074 ha.) received from the Deputy Conservator of Forests, Surat vide his letter no. A/Survey/17/1183-84 Dt. 23/10/2015 for Diversion of Protect Forest Land to be diverted to punaa, valathan kenal road k.m 0/028 to 6/610 road make by Executive Engineer Surat Urban Development Authority The Proposal in Question pertains to Deputy Conservator of Forests, Surat vide his letter no. A/Survey/17/1183-84 Dt.23/10/2015.


The Scheme in question has been checked and found correct as per the prevailing wage rate 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. 32,30,000/- ( in words thirty two lac. thirty thousand Only).

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

Place : Surat  
Date : 30/10/2015.



  
 Chief Conservator of Forests  
 Surat Circle, Surat.