

## Scheme of Compensary Afforestation

Detailed scheme of Compensatory Afforestation 1.00 ha (0.4128 ha) to be carried out in lieu of 0.2064 ha. of Protected forest land to be diverted in Surat district.

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

District Surat, Village. Patal,  
Name of Forest Division. Surat,

Taluka : Mandvi ,  
Range: Mandvi South,

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

Area to be afforested. 1.00 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.

**Annexure-3 (1)**  
**Compensatory Afforestation Scheme for double degradation areas & NPV Palntations**

Daily wages Rs.226.80

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
<b>0 year</b>				
Nursery				
(a) Cost of soil, manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement)	944	0	975	975
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	944	2529	145	2674
(c) Seedling cost for casualty replacement in one year old (20%)	172	770	239	1009
(d) Seedling cost for casualty replacement in two year old (10%)	86	402	118	519
<b>Total</b>		<b>3700</b>	<b>1476</b>	<b>5177</b>
<b>2. Area Development ( Land Preparation )</b>				
(a) Survey, cutback and promotion of root suckers		2457	32	2489
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	833 @ 6.00	5498	0	5498
(c) Aligment and digging of pits 1 m X 1 m X 1 m	25 @ 63.00	1733	0	1733
<b>Total</b>		<b>9688</b>	<b>32</b>	<b>9720</b>
(a) Natural fertilizer (Neem cake/ Castor cake)	858 @ 5.00	0	4719	4719
<b>Total</b>		<b>0</b>	<b>4719</b>	<b>4719</b>
<b>3. SMC Works</b>				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	10036	19943	29979
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt	600 rmt.	13412	0	13412
<b>Total</b>		<b>23449</b>	<b>19943</b>	<b>43392</b>
<b>4. Protection</b>				
(a) Barbed wire fencing	L.S.	2451	26069	28520
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia		520	261	781
<b>Total</b>		<b>2971</b>	<b>26330</b>	<b>29301</b>
<b>Sub Total of 0 year</b>		<b>39808</b>	<b>52500</b>	<b>92308</b>
<b>1st Year</b>				
(a) Maintenance of nursery (April to June)	715	1334	134	1469
(b) Transport of seedling for plantation	650	806	166	972
(c) Planting with khamna of Min 1 m dia	650	3676	0	3676
(d)Transport of seediling for casualty replacement	65	86	18	104
(e) 3 weeding cum soil working	650	9650	0	9650
(f) Support watering 5 times @ 3.25		5728	9292	15019
(g) Protection / tending operation		3413	0	3413
(h) Tending to natural vegetation		853	0	853
(i) Contingency		0	853	853
<b>Total for 1st year</b>		<b>25547</b>	<b>10463</b>	<b>36010</b>

<b>2nd Year</b>				
(a) 2 weeding & soil working		5038	0	5038
(b) 20 % Casually replcement, transport and planting	65+65	87	416	503
(c) Natural fertilizer (neem cake / caster cake ) etc.	Rs.5/ plant	0	4706	4706
(d ) Support watering 3 times @ 3.25		3738	5439	9177
(e) Protection / tending operation		3475	0	3475
<b>Total for 2nd year</b>		<b>12337</b>	<b>10561</b>	<b>22898</b>
<b>3rd Year</b>				
(a) 2 weeding & soil working		5771	0	5771
(b) 10 % Casually replcement, transport and planting	65	49	238	287
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	5391	5391
(d ) Support watering 1 times @ 3.25		1441	2057	3497
(e) Protection & maintenance of fencing / tending operation	L.S.	4977	0	4977
<b>Total for 3rd year</b>		<b>12237</b>	<b>7686</b>	<b>19923</b>
<b>4thYear</b>				
(a) 1 weeding & soil working		3093	0	3093
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	5333	0	5333
<b>Total for 4th year</b>		<b>8426</b>	<b>0</b>	<b>8426</b>
<b>5thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	5688	0	5688
<b>Total for 5th year</b>		<b>5688</b>	<b>0</b>	<b>5688</b>
<b>6thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	6044	0	6044
<b>Total for 6th year</b>		<b>6044</b>	<b>0</b>	<b>6044</b>
<b>7thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	6399	0	6399
<b>Total for 7th year</b>		<b>6399</b>	<b>0</b>	<b>6399</b>
<b>8thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	6755	0	6755
<b>Total for 8th year</b>		<b>6755</b>	<b>0</b>	<b>6755</b>
<b>9thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	7110	0	7110
<b>Total for 9th year</b>		<b>7110</b>	<b>0</b>	<b>7110</b>
<b>10thYear</b>				
Protection & maintenance of fencing/ tending operation	L.S.	7466	0	7466
<b>Total for 10th year</b>		<b>7466</b>	<b>0</b>	<b>7466</b>
<b>SUB TOTAL :</b>		<b>137815</b>	<b>81210</b>	<b>219025</b>
The Cost of Supervision/subsequent silvicultureal Operations	20%	27563	16242	43805
		<b>165378</b>	<b>97452</b>	<b>262830</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 : - 2,63,000/-**

Compensatory afforestation will be done in 1.00 ha. Area.  
The Total afforestation cost will be Rs. 2,63,000/-

**Total Cost Rs. : 2,63,000/-**



The Authorized Signatory of Reliance Gas Pipe line Ltd. 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 226.80 per prevailing daily Wages  
833 plants + (25 Deshi Mango) will be planted  
/Hect.

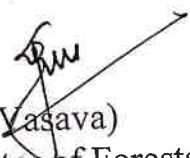
(b) Spacement :- 4m x 3m

(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 seedling 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, vantalaydi.
- (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.

  
(A.G. Vasava)  
Dy.Conservator of Forests  
Surat.

COUNTERSIGNED

  
Chief Conservator Of Forest  
Surat Circle, Surat.