

CERTIFICATE

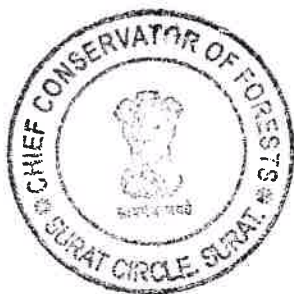
This is to Certify that the Compensatory Afforestation Scheme of 1.00 ha. (Double area of diverted area 0.2064 ha.) received from the Deputy Conservator of Forests, Surat vide his letter no. A/Survey/17/4611-16 Dt. 13/01/2015 for Diversion of Protect Forest Land to be diverted to Passing Gas Pipeline through Bhruch, Surat, Navasari and Valasad Forest Area by Reliance Gas Pipeline Ltd.. The Proposal in Question pertains to Deputy Conservator of Forests, Surat vide his letter no. A/Survey/17/4611-16 Dt. 13/01/2015.

The Scheme in question has been checked and found correct as per the prevailing wage rate structure and approved Model of Compensatory Afforestation Degraded Forest Area for Double Degradation Area Plantation for FCA Proposals as also for NPV Project Plantation .

The Compensatory afforestation has to be carried out in R.F.Compt. No. 645 pt. of village Patal, Taluka- Mandvi, Range - Mandvi South, District Surat of Deputy Conservator of Forests, Surat at the cost of Rs. 263000/- (in words *Two Lac Sixty Three Thousand Only*).

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

Place : Surat
Date : 28/01/2015.

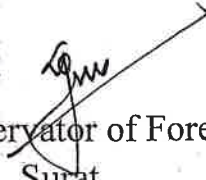


Chalman
Chief Conservator of Forests
Surat Circle, Surat.

CERTIFICATE

This is to certify that I have visited 337.11 ha.area of degraded RF forest (for taking up 1.00 Ha. Of CA), of block No - / Comptt. No 645 / Survey No - of Village PATAL Taluka Mandvi District Surat on 15/09/2014; 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 0.2064 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: /01/2015
Place: SURAT


Dy.Conservator of Forests
Surat.

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
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	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
Total		3700	1476	5177
2. Area Development (Land Preparation)				
(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
Total		9688	32	9720
(a) Natural fertilizer (Neem cake/ Castor cake)	858 @ 5.00	0	4719	4719
Total		0	4719	4719
3. SMC Works				
(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
Total		23449	19943	43392
4. Protection				
(a) Barbed wire fencing	L.S.	2451	26069	28520
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia		520	261	781
Total		2971	26330	29301
Sub Total of 0 year		39808	52500	92308
1st Year				
(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
Total for 1st year		25547	10463	36010

2nd Year				
(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
Total for 2nd year		12337	10561	22898
3rd Year				
(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
Total for 3rd year		12237	7686	19923
4thYear				
(a) 1 weeding & soil working		3093	0	3093
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	5333	0	5333
Total for 4th year		8426	0	8426
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	5688	0	5688
Total for 5th year		5688	0	5688
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	6044	0	6044
Total for 6th year		6044	0	6044
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	6399	0	6399
Total for 7th year		6399	0	6399
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	6755	0	6755
Total for 8th year		6755	0	6755
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7110	0	7110
Total for 9th year		7110	0	7110
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	7466	0	7466
Total for 10th year		7466	0	7466
SUB TOTAL :		137815	81210	219025
The Cost of Supervision/subsequent silvicultureal Operations	20%	27563	16242	43805
		165378	97452	262830

Note :-

- (1) Seed sowing along fencing towards the inner side, and also in the plot.
- (2) Planting of cutting of ipomea//Gliricidia 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.

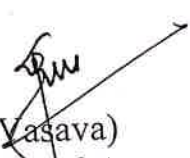
(b) Spacement :- 4m x 3m

(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.