

MODEL No-3 Annexure-4(1)Compensatory Afforestation Scheme for Double Degraded area

Widening and Strengthening of existing B.T. Surface and reconstruction of cross drainage structure of Deshalpar Mandvi Naliya Narayansarovar road. (NH-8A-Ext) Section: Km 226/200 to 242/500 in favour of National Highway Division - Gandhidham.

(Diversion area: 6.52 ha. in Kutch SF Division)

Detailed scheme of Compensatory Afforestation for degraded area 13.10 ha. to be carried out in lieu of 6.52 ha. of Forest Land to be diverted in Kutch district.

1. **Details :-**

Village	Ukher
Taluka	Lakhpat
Range	Dayapar (North)
District	Kutch
Division	Kutch (West)
Block/ Patal, Compartment No.	Survey No. 7/3
Area to be afforested	13.10 ha.
Working circle	

2. **Description of Area :-**

Soil type	Murom
Topography	Undulating
Slope	Medium & Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. **Name of Plantation Programme :-**

Compensatory Afforestation Scheme for Degraded Forest Area.

4. **Schedule of Plantation Programme :-**


(i) The Compensatory Afforestation on degraded area would be started by Dy. Conservator of Forest, Kutch West Division, Bhuj as early as possible after the proposal is formally approved.
(ii) Compensatory Afforestation will be done in 13.10 ha. area. The total afforestation cost will be about Rs.59,91,741/- National Highway Division, Gandhidham, Kutch 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:-


Sr. No.	Details	Specifications									
a	General Details	The Compensatory Afforestation taken for double land on degraded Forest area. The prevailing daily wage rate is Rs.324.50 per/day.									
b	Spacing	3 X 3 mtr., 1111 plants per/ha.									
c	Species to be planted (No. of plants per / ha.)	<table border="1"> <tr> <td>Desi Baval</td><td>444</td><td rowspan="4">Minimum planting height will be 30 cm. at the time of planting. However it will vary for different species.</td></tr> <tr> <td>Pilu</td><td>444</td></tr> <tr> <td>Gugal</td><td>223</td></tr> <tr> <td>Total</td><td>1111</td></tr> </table>	Desi Baval	444	Minimum planting height will be 30 cm. at the time of planting. However it will vary for different species.	Pilu	444	Gugal	223	Total	1111
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Pilu	444										
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Total	1111										
d	Nursery Technique	Nine months old polypot raised plants will be planted at the onset of monsoon.									
e	Site Preparation	Site cleaning of area and malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pit digging 45 x 45 x 45 cms. will be carried out in the month of Dec - Jan.									
f	Plantation Method	Polypot raised plants will be planted during monsoon.									
g	Soil & Moisture Conservation Works	(i) SMC structure like Chek dam, Chek wall, retaining wall, Van talav, Earthen bund, and Loose boulder. (ii) Contour trenches 2.00 x 0.45 x 0.30, 300 Nos/ha. as per site specific condition will be carried out of Gully plugging & Nala Banding using The loose stone available in the area will be carried out as per requirement. Seeds of Pillu, Desi baval ...etc. will be planted during monsoon in the upper side of nala as per suitability.									
h	Protection Trench	Protection trench, Barbed wire fencing Seed showing and planting of cuttings of Desi baval/ Pilu or any local species.									
i	Silvicultural Operations	1 st year three weeding soil working, Support watering will be provided if needed. 2 nd year two weeding soil working. 3 rd year one weeding soil working.									
j	Maintenance	It is proposed to maintain the Plantation up to ten years.									
k	Subsequent silvicultural Operation	Cleaning, cutbacks, thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan.									

I	Proposed monitoring mechanism	<p>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as per the following norms.</p> <p>Forester - 100%</p> <p>RPO - 100%</p> <p>ACP - 20%</p> <p>DCF - 10%</p> <p>(iii) The results of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of November and March each year.</p> <p>(iv) The collar girth is also to be reordered at the end of each year.</p> <p>(v) Third party monitoring mechanism is also in the State and if the plantation is in the sample selected, it will also be monitored by the third party selected for this purpose.</p>
m	Regeneration cleaning	Soil working around natural regeneration.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.


(Tushar B. Patel)
 Dy. Conservator of Forests
 Kutch West Division, Bhuj

The Compensatory Afforestation scheme at the cost of **Rs.59,91,741/-** is technically and administrative approved by the undersigned.

Date: 13 /10/2020
 Place: Bhuj-Kutch


(Tushar B. Patel)
 Dy. Conservator of Forests
 Kutch West Division, Bhuj

As per APCCF, Land, Gandhinagar letter dated: 18/11/2019 & 27/11/2019


 Deputy Conservator of Forests
 Extension Division Kachchh-Bhuj


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Increased 10% rate/year with 20 % add Supervision charge of Rate Structure for Compensatory Afforestation scheme for the Year 2020-21


Daily Wages : Rs.324.50

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Sr. No.	MODEL No.	Rate/ha	0 Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	Total	20% Add	Grand Total	
1	2	3	4	5	6	7	8	9	10	11	12	12	14	15	16	17	18
1	MODEL No-3	A	Normal Rate	117890.92	66910.76	42947.92	31215.73	10126.62	5086.20	5086.20	5086.20	5086.20	5086.20	299609.15	59921.83	359530.98	
2	Annexure-4(1)	B	Increased 10% rate/year	129680.01	80292.91	55832.30	43702.02	15189.93	8137.92	8646.54	9155.16	9663.78	10172.40	10681.02	381153.99	76230.80	457384.79

Date :- 13/10/2020
Place:- Bhuj - Kutch


(Tushar B. Patel)
Dy. Conservator of Forests
Kutch West Division, Bhuj

As per AFCCF, Land Use/Manager letter dated: 18/11/2019 & 27/11/2019


Deputy Conservator of Forests
Extension Division Kachchh-Bhuj