

## ANNEXURE – NO. 19

### Compensatory Afforestation Scheme for Double Degraded Area

Detailed scheme of Compensatory Afforestation to be carried out in field of forest land to be diverted for Proposal for grant of permission for laying Optical fiber cable along the routes mentioned hereunder 0.2934 hector Reserved Forest (Kordha-Anvarpura MDR Road) land for Optical fiber cable in Jio Digital Fibre P.v.t. L.t.d. Ahmedabad.

**Total diversion area : 0.2934 Ha. (Total C.A. Area 1.00 Ha.)**

#### (1) Details of Degraded-forest land.

Village	:	Chhanasara
Taluka	:	Santalpur
Range	:	Varahi Normal
District	:	Patan
Division	:	Patan
Block/Patal. Compartment No.	:	42Pt.
Area to be afforested	:	01.00 Ha.
Working Circle	:	Plantation Working Circle

#### (2) Description of Area.

Soil type	:	Black cotton with Murom
Topography	:	undulating with gentle slop
Whether the area is bearing any root stock or Vegetation	:	Yes

#### (3) Name of Plantation Programmed

Compensatory Afforestation Scheme for Double Degraded Area

#### (4) Schedule of plantation programme

(i)	The Compensatory Afforestation on degraded forest land would be started by Dy. Conservator of Forest, Patan Division, Patan (Gujarat) as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 125.00 ha area. The total afforestation cost will be about <b>Rs.502750/-</b> For Asahi India Glass L.t.d. Dhanodharada, Ta-Chanasma, Dist-Patan to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

#### (5) Technical Details :

Sr.No.	Details	Specification
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a	General Details	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Area, The prevailing wage rate is 314.50 per day.																
b	Spacement	3.00 x 3.00 Mtr 1111 Plants per ha.																
c	Species to be planted (No. of plants per Ha)	<table><tr><td>Gorad</td><td>151</td></tr><tr><td>Pilu</td><td>300</td></tr><tr><td>Gugal</td><td>100</td></tr><tr><td>Liyar</td><td>160</td></tr><tr><td>Desi Baval</td><td>100</td></tr><tr><td>Boradi</td><td>300</td></tr><tr><td><b>Total..</b></td><td><b>1111</b></td></tr></table>	Gorad	151	Pilu	300	Gugal	100	Liyar	160	Desi Baval	100	Boradi	300	<b>Total..</b>	<b>1111</b>	Minimum Planting height will be 100 cm. at the time of planting. However it will vary for different species.	
Gorad	151																	
Pilu	300																	
Gugal	100																	
Liyar	160																	
Desi Baval	100																	
Boradi	300																	
<b>Total..</b>	<b>1111</b>																	
d	Nersery Technique	Nine months old polypot raised plants will be planted at the onest of monsoon.																
e	Site Preparation	The malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pitdigging 45x45x45 cms. will be carried out in the month of Dec-Jan.																
f	Plantation Method	Ppypot raised plants will be planted during monsoon.																
g	Soil & Moisture Conservation Works	(i) Pucca structure like check dam, check wall, retaining wall. (ii) Contour trenches 2.00x0.45x0.30.300 Nos/ha. Will be dug along the contour line. the dug out soil will be heaped on the down ward side. Gully plugging & Nala banding using the loose stone available in the area will be carried out as per requirement. Secds of Jatropha, Agave plants ...etc. will be planted during monsoon in the upper side of nala as per suitability.																
h	Protection Trench	Barbed wire fenching. Seed sowing and planting of cuttingof Ipomea/Glarcidia along the fence.																
i	Weeding & Watering	1st year three weeding soil working, Support watering will be provided if needed. 2nd year two weeding soil working. 3rd year one weeding soil working.																
j	Maintenance	It is proposed maintain the Plantation up to ten years																
k	Subsequent silvicultural Operations	Cleaning cutbacks. thinning etc. (as per species specific requerment) will be carried out at the age as per prescribed in the working plan.																
l	Proposed monitoring mechanism	(i) A Plantation register is to be maintained. (ii) Monitoring is to be done as per following norms. Forester 100% RFO 100% ACF 100%																



		DCF 100%
		(iii) The result of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of september and march each year.
		(iv) The collar girth is also to be recorderd at the end of each year.
		(v) At the end of maintainance period, the area is aimed at full stocking and pole crop girth for all the species. except bamboo.
		(vi) Bamboo would be of the harvestable size by the end of 4th year.
		(vii) 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.
m	Regeneration cleaning	Cut-back and promotion of root stuckers.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up. as the area falls under degradee forest land.

Place :- Patan


Date :- 28/11/2021

  
Deputy Conservator of Forest  
Patan Forest Division Patan

The Compensatory Afforestation scheme at the cast Rs.502750/- is technically and administrative approved by undersigned

Place :- Patan

Date :- 28/11/2021

  
Deputy Conservator of Forest  
Patan Forest Division Patan

## Compensatory Afforestation Scheme for double degradation areas

Detailed scheme of Compensatory Afforestation to be carried out in field of forest land to be diverted for Proposal for grant of permission for laying Optical fiber cable along the routes mentioned hereunder 0.2934 hector Reserved Forest (Kordha-Anvarpura MDR Road) land for Optical fiber cable in Jio Digital Fibre P.v.t. L.t.d. Ahmedabad.

**(CA Area 1.00 Ha. At-Chhanasara, Ta-Santalpur, District-Patan)**

Spacements = 3m x 3m

1111 seedling/ Ha

1st Year replacement 10% = 111 seedlings/ha

2nd Year replacement 20% = 111+111 seedlings/ha

3rd Year replacement 10% = 111 seedlings/ha

Total Seedlings = 1333 seedling/ha

Polypot size: 15 cm x 25 cm x 200

Item of Work		Qty	Daily wages Rate Rs. 324.50/-		
			Labour	Material	Total
0 Year					
Nursery					
(a)	Cost of soil, manure, seeds, water, fertlizer, insecticides, implements, rent of lands. Shade, etc (including 10% for casualty replacement)	1222	0	1913	1913
(b)	Labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering, shifting, weeding etc.	1222	4681	242	4923
(c)	Seedling cost for casualty replacement in one year old (20%)	222	1480	442	1922
(d)	Seedling cost for casualty replacement in one year old (10%)	111	741	220	961
	Total		11895	21117	33012
2. Area Development (Land Preparation)					
(a)	Survey, cutback and promotion of root suckers		3517	0	3517
(b)	Alignment and digging of pits 0.45x0.45x0.45	111 @6.00	10157	0	10157
	Total		13674	0	13674
(a)	Natural fertilizer (Neen cake/ Castor cake)	111 @5.00	0	10360	10360
	Total		0	10360	10360
3.SMC Works					



(a)	Check wall/ retaining wall/ checkdam (all pucca	L.S	12495	24804	37299
(b)	Contour trench 2Mx45Cmx30Cm as per Rs.50.70/ rmt (300 trench)	600 rmt	9511	0	9511
<b>Total</b>			<b>22006</b>	<b>24804</b>	<b>46810</b>
<b>4. Protection</b>					
(a)	Barbed wire fencing	L.S	3730	37299	41029
(b)	Seed sowing and planting of cutting of Ipomea/ Glaricidia along the fence		1160	499	1659
<b>Total</b>			<b>4890</b>	<b>37798</b>	<b>42688</b>
<b>Sub total of 0 year</b>			<b>52465</b>	<b>94079</b>	<b>146544</b>
<b>1st Year</b>					
(a)	Maintenance of nursery (April to june)	1222	3591	358	3949
(b)	Transport of seedling of plantation	1111	19438	407	19845
(c)	Planting with khamna of Min 1m dia	1111	6054	0	6054
(d)	Transport of seedling of casualty replancement	111	210	46	256
(e)	3 weeding cum soil working	1111	24654	0	24654
(f)	Support watering 5 times @ 3.25		15086	21646	36732
(g)	Protection/ tending operation		4861	0	4861
(h)	Tending to natural vegetation		1220	0	1220
(i)	Contingency		0	1220	1220
<b>Total for 1st Year</b>			<b>75114</b>	<b>23677</b>	<b>98791</b>
<b>2nd Year</b>					
(a)	2 Weeding & soild working		13245	0	13245
(b)	20% Casualty replacement, transport and planting	111+111	220	1097	1317
(c)	Natural fertilizer (neem cake/ caster cake) etc	Rs.5/ plant	0	12243	12243
(d)	Support watering 3 times @ 3.25		9802	14071	23873
(e)	Protection/ tending operation		5290	0	5290
<b>Total for 2nd Year</b>			<b>28557</b>	<b>27411</b>	<b>55968</b>
<b>3rd Year</b>					
(a)	2 Weeding & soild working		13979	0	13979
(b)	10% Casualty replacement, transport and planting	111	118	591	709
(c)	Natural fertilizer (neem cake/ caster cake) etc	Rs.5/ plant	0	13422	13422
(d)	Support watering 3 times @ 3.25		3520	5050	8570
(e)	Protection & maintenance. of fencing/ tending operation	L.S	9141	0	9141
<b>Total for 3rd year</b>			<b>26758</b>	<b>19063</b>	<b>45821</b>
<b>4th year</b>					
(a)	1 Weeding & soil working		7720	0	7720
(b)	Protection & Maintenance of fencing/ Tending operation	L.S	7629	0	7629
<b>Total for 4th year</b>			<b>15349</b>	<b>0</b>	<b>15349</b>



<b>5th Year</b>					
	Protection & maintenance of fencing/ tending operation	L.S	8138	0	8138
<b>Total for 5th year</b>			<b>8138</b>	<b>0</b>	<b>8138</b>
<b>6th Year</b>					
	Protection & maintenance of fencing/ tending operation	L.S	8646	0	8646
<b>Total for 6th year</b>			<b>8646</b>	<b>0</b>	<b>8646</b>
<b>7th Year</b>					
	Protection & maintenance of fencing/ tending operation	L.S	9155	0	9155
<b>Total for 7th year</b>			<b>9155</b>	<b>0</b>	<b>9155</b>
<b>8th Year</b>					
	Protection & maintenance of fencing/ tending operation	L.S	9663	0	9663
<b>Total for 8th year</b>			<b>9663</b>	<b>0</b>	<b>9663</b>
<b>9th Year</b>					
	Protection & maintenance of fencing/ tending operation	L.S	10172	0	10172
<b>Total for 9th year</b>			<b>10172</b>	<b>0</b>	<b>10172</b>
<b>10th Year</b>					
	Protection & maintenance of fencing/ tending operation	L.S	10681	0	10681
<b>Total for 10th year</b>			<b>10681</b>	<b>0</b>	<b>10681</b>
<b>SUB TOTAL</b>			<b>254698</b>	<b>164230</b>	<b>418928</b>
The Cost of Supervision/subsequential silviculturel Operation			20%	50940	32846
				<b>305638</b>	<b>197076</b>
					<b>502714</b>

Note:-

- (1) Seed sowing along fencing towards the inner side, and also in
- (2) Planting of cutting of ipomea//Glarcidia along the fencing
- (3) Planting of 25 seedling of Deshi Mango in a pit size of

Place :- Patan

Date :- 28/1/2021

  
Deput Conservator of Forest  
Patan Forest Division Patan

**Checklist No :- 19 - B**

Detailed scheme of Compensatory Afforestation to be carried out in field of forest land to be diverted for Proposal for grant of permission for laying Optical fiber cable along the routes mentioned hereunder 0.2934 hecter Reserved Forest (Kordha-Anvarpura MDR Road) land for Optical fiber cable in Jio Digital Fibre P.v.t. L.t.d. Ahmedabad.

**Total diversion area: 0.2934 Ha. (Total C.A. Area 01.00 Ha.)**


**Rate Structure for Compensatory Afforestation for the Year 2020-21**

Daily wages Rate Rs. 324.50/-

Daily wages Rate Rs. 524.30/-																	
Sr. No.	R-2 MODEL	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	146544	98791	55968	45821	15349	8138	8646	9155	9663	10172	10681	418928	83786	502714
2	Annexure-4(1)	B	Increased by 20% yr	29309	19758	11194	9164	3070	1628	1729	1831	1933	2034	2136	83786	16757	100543

Place :- Patan

Date :- 28/11/2021

  
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Detailed scheme of Compensatory Afforestation to be carried out in field of forest land to be diverted for  
Proposal for grant of permission for laying Optical fiber cable along the routes mentioned hereunder  
0.2934 hector Reserved Forest (Kordha-Anvarpura MDR Road) land for Optical fiber cable in Jio Digital  
Fibre P.v.t. L.t.d. Ahmedabad.

**1.00 Ha. Compensatory Afforestation At-Chhanasara, Ta-Santalpur, District-Patan**

**Details of Year wise break-up of requirement of fund is as under**

**Daily wages Rate Rs. 324.50/-**

Year	Hectare	Rate (Rs.)	Amount (Rs.)
0 Year	1	146544	146544
1 <sup>st</sup> Year	1	98791	98791
2 <sup>nd</sup> Year	1	55968	55968
3 <sup>rd</sup> Year	1	45821	45821
4 <sup>th</sup> Year	1	15349	15349
5 <sup>th</sup> Year	1	8138	8138
6 <sup>th</sup> Year	1	8646	8646
7 <sup>th</sup> Year	1	9155	9155
8 <sup>th</sup> Year	1	9663	9663
9 <sup>th</sup> Year	1	10172	10172
10 <sup>th</sup> Year	1	10681	10681
<b>Total</b>		<b>418928</b>	<b>418928</b>
Supervision Charges 20 %	20%	83786	83786
<b>Grand Total</b>		<b>502714</b>	<b>502714</b>
		<b>Say...</b>	<b>502750</b>

Place :- Patan

Date :- 28/11/2021

  
Deputy Conservator of Forest  
Patan Forest Division Patan



**Land Suitability certificate for Afforestation.**

This is the Certify that the area of the degraded reserved Forest land survey no 42Pt.  
1.00.00 Ha. at the village-Chhanasara, Ta-Santalpur, Dist-Patan is suitable for Compensatory  
afforestation.

Place :- Patan

Date :- 28/.../2021

  
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Patan Forest Division Patan