

Checklist No :-18


Proposal for diversion 0.2138 ha. forest land for laying Optical fiber cable in favour of Reliance Jio Infocomm limited Vide Online Proposal No. FP/GJ/others/39408/2019 : proposal under Forest Conservation Act-1980 By Reliance Jio Infocomm Limited area in Kutch dist. of Gujarat State.

Detail of forest land area identify for Compensatory Afforestation

<u>Sr. no.</u>	<u>District</u>	<u>Taluka</u>	<u>village</u>	<u>Survey no.</u>	<u>area (ha.)</u>	<u>Type of land</u>
<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>5</u>	<u>7</u>
1	Kachchh	Rapar	Mauvana	889/pt	1	Forest area
Total area					1.00	
Forest area						

Place: - Bhuj-Kachchh.

Date: - 18/10/2021


Dy Conservator of Forest
Kachchh East Division, Bhuj.

Compensatory Afforestation Scheme for double degraded area

Proposal for diversion 0.2138 ha. forest land for laying Optical fiber cable in favour of Reliance Jio Infocomm limited Vide Online Proposal No. FP/GJ/others/39408/2019 : proposal under Forest Conservation Act-1980 By Reliance Jio Infocomm Limited area in Kutch dist. of Gujarat State..

Detailed scheme of Compensatory Afforestation for Degraded Forest area 1.00 ha. to be carried out in lieu of 0.2138 ha. of forest land to be diverted in Kutch district.

1. Details of degraded land.

Village	Mauvana
Taluka	Rapar
Range	Rapar (N)
District	Kutch
Division	Kutch East Forest Division
Block/ Patal, Compartment No.	889/pt
Area to be afforested (ha.)	1.00
Working circle	Nil

2. Description of Area.

Soil type	Gentle Starey
Topography	Helly
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 East Division as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 1.00 ha. Area. The total afforestation cost will be about Rs. 4,97,817/- Reliance Jio Infocomm Limited 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 C.A. will be taken under Compensatory Afforestation for double land on Degraded Forest Areas. The prevailing wage rate is 340.20 per day.																						
b	Spacement	3 X 3 mtr., 1111 plants per ha.																						
c	Species to be planted (No. of plants per ha.)	<table><tr><td>Gundi</td><td>211</td><td>65 cm</td><td rowspan="7">Minimum planting height will be 75 cm. at the time of planting. However it will vary for different species.</td></tr><tr><td>Neem</td><td>250</td><td>75 cm</td></tr><tr><td>Pilu</td><td>225</td><td>50 cm</td></tr><tr><td>Khijado</td><td>150</td><td>65 cm</td></tr><tr><td>DeshiBaval</td><td>225</td><td>65 cm</td></tr><tr><td>Chhini Lai (Tamarixaphylla)</td><td>50</td><td>65 cm</td></tr><tr><td>Total</td><td>1111</td><td></td></tr></table>	Gundi	211	65 cm	Minimum planting height will be 75 cm. at the time of planting. However it will vary for different species.	Neem	250	75 cm	Pilu	225	50 cm	Khijado	150	65 cm	DeshiBaval	225	65 cm	Chhini Lai (Tamarixaphylla)	50	65 cm	Total	1111	
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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	The 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) Pucca structure like Check dam, check wall, retaining wall Contour trenches 2.00 x 0.45 x 0.30, 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. Seeds of Jatropha, Agave plants ...etc. will be planted during monsoon in the upper side of nala as per suitability.																						
h	Protection Trench	Barbed wire fencing, Seed sowing And planting of cuttings of Ipomea/Glarcidia along the fence																						
i	Silviculture 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.
l	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>RFO – 100%</p> <p>ACF – 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 September and March each year.</p> <p>(iv) The collar girth is also to be reordered at the end of each year.</p> <p>(v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo.</p>
m	Regeneration cleaning	Cut-back and promotion of root suckers.
n	Silviculture & other activities	Only Afforestation aimed plantation will be taken up, as the area falls under degraded forest land.


 Dy Conservator of Forest
 Kachchh East Division, Bhuj.

The Compensatory Afforestation scheme at the cost of **Rs. Rs. 4,97,817/-** is technically and administrative approved by the undersigned.


 Dy Conservator of Forest
 Kachchh East Division, Bhuj.

Dd. 18/10/2021

Compensatory Afforestation Scheme for Forest Areas to be carried out in field of forest land to be Proposal for diversion 0.2138 ha. forest land for laying Optical fiber cable in favour of Reliance Jio Infocomm limited Vide Online Proposal No. FP/GJ/others/39408/2019 : proposal under Forest Conservation Act-1980 By Reliance Jio Infocomm Limited area in Kutch dist. of Gujarat State..

Daily wages Rs.				340.2
Spacemnts = 3 m x 3 m				
1111 seedling / Ha				
1st year replacement 10 % = 111 seedling /ha				
2nd year replacement 20 % = 111+111 seedling /ha				
3rd year replacement 10 % = 111 seedling /ha				
Total Seedlings = 1333 seedling /ha				
Polypot size : 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)	1222	0.00	1998.00	1998.00
(b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	4907.00	245.00	5152.00
(c) Seedling cost for casualty replacement in one year old (20%)	222	1551.00	445.00	1996.00
(d) Seedling cost for casualty replacement in two year old (10%)	111	747.00	223.00	970.00
Total		7205.00	2911.00	10116.00
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3687.00	0	3687.00
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 6.00	10647.00	0	10647.00
Total		14334.00	0	14334.00
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	10861.00	10861.00
Total		0	10861.00	10861.00
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	13100.00	26004.00	39104.00
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs. 17.00/rmt (300 trench)	600 rmt.	9970.00	0	9970.00
Total		23070.00	26004.00	49074.00
4. Protection				
(a) Barbed wire fencing	L.S.	3910.00	39627.00	43537.00
(b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence		1216.00	523.00	1739.00
Total		5126.00	40150.00	45276.00
Sub Total of 0 year		49735.00	79926.00	129661
1st Year				
(a) Maintenance of nursery (April to June)	1222	3765.00	376.00	4141.00
(b) Transport of seedling for plantation	1111	20380.00	389.00	20769.00
(c) Planting with khamna of Min 1 m dia	1111	6347.00	0	6347.00
(d) Transport of seedling for casualty replacement	111	220.00	48.00	268.00
(e) 3 weeding cum soil working	1111	25847.00	0	25847.00
(f) Support watering 5 times @ 3.25		15815.00	22694.00	38509.00
(g) Protection / tending operation		5089.00	0	5089.00
(h) Tending to natural vegetation		1279.00	0	1279.00
(i) Contingency		0	1279.00	1279.00
Total for 1st year		78742.00	24786.00	103528

2nd Year				
(a) 2 weeding & soil working		13885.00	0	13885
(b) 20 % Casually replcement, transport and planting	111+111	234.00	1150.00	1384
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0.00	12835.00	12835
(d) Support watering 3 times @ 3.25		10277.00	14751.00	25028
(e) Protection / tending operation		5595.00	0	5595
Total for 2nd year		29991.00	28736.00	58727
3rd Year				
(a) 2 weeding & soil working		14656.00	0	14656.00
(b) 10 % Casually replcement, transport and planting	111	124.00	621.00	745.00
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0.00	14070.00	14070.00
(d) Support watering 1 times @ 3.25		3690.00	5294.00	8984.00
(e) Protection & maintenance of fencing / tending operation	L.S.	9582.00	0	9582.00
Total for 3rd year		28052.00	19985.00	48037.00
4thYear				
(a) 1 weeding & soil working		8092.00	0	8092.00
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7999.00	0	7999.00
Total for 4th year		16091.00	0	16091.00
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8533.00	0	8533.00
Total for 5th year		8533.00	0	8533.00
6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9065.00	0	9065.00
Total for 6th year		9065.00	0	9065.00
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9599.00	0	9599.00
Total for 7th year		9599.00	0	9599.00
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10131.00	0	10131.00
Total for 8th year		10131.00	0	10131.00
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10664.00	0	10664.00
Total for 9th year		10664.00	0	10664.00
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	11198.00	0	11198.00
Total for 10th year		11198.00	0	11198.00
SUB TOTAL :		261801.00	153433.00	415234.00
The Cost of Supervision/subsequential silvicultureal Operations	20%	52360.00	30223.00	82583.00
		314161.00	183656.00	497817.00

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.

Compensatory afforestation will be done in 1.00 ha. Area.

Total Cost Rs. :4,97,817/-


By Conservator of Forest
Kachchh East Division, Bhuj.