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Sub :- Diversion of 0.098 Ha . Forest land for laying Two 6 " (inch) dia PVC pipeline for irrigation and drinking water for Agriculture purpose from nearest dam in vil : Zakasiya ta : Jam Khambhaliya Di : Devbhumi Dwarka in Jamnagar Forest Division

Daily wages Rs. 324.2

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, fertilizier, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casuality replacement)	1222	0	1912	1912
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	1222	4677	242	4919
(c) Seedling cost for casuality replacement in one year old (20%)	222	1477	442	1919
(d) Seedling cost for casuality replacement in two year old (10%)	111	740	220	960
Total		6894	2817	9711
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3515	0	3515
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111@ 6.00	10148	0	10148
Total		13662	0	13662
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	10351	10351
Total		0	10351	10351
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12484	24781	37264
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9502	0	9502
Total		21986	24781	46767
4. Protection				
(a) Barbed wire fencing	Rmt. 400	10640	95760	106400

(b) Seed sowing and planting of cuttings of Ipomea/ Glarcidia along the fence		1159	498	1657
Total		11799	96258	108057
Sub Total of 0 year		54341	134207	188548
1st Year				
(a) Maintenance of nursery (April to June)	1222	3588	357	3945
(b) Transport of seedling for plantation	1111	1968	407	2375
(c) Planting with khamna of Min 1 m dia	1111	6049	0	6049
(d) Transport of seedling for casualty replacement	111	210	47	257
(e) 3 weeding cum soil working	1111	23578	0	23578
(f) Support watering 5 times @ 3.25		15072	21627	36699
(g) Protection / tending operation		4878	0	4878
(h) Tending to natural vegetation		1220	0	1220
(i) Contingency		0	1220	1220
Total for 1st year		56562	23658	80220
2nd Year				
(a) 2 weeding & soil working		13095	0	13095
(b) 20 % Casually replcement, transport and planting	111+111	220	1096	1316
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12233	12233
(d) Support watering 3 times @ 3.25		9794	14057	23851
(e) Protection / tending operation		5285	0	5285
Total for 2nd year		28394	27386	55780
3rd Year				
(a) 2 weeding & soil working		14103	0	14103
(b) 10 % Casually replcement, transport and planting	111	119	591	710
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13173	13173
(d) Support watering 1 times @ 3.25		3516	5046	8562
(e) Protection & maintenance of fencing / tending operation	L.S.	7114	0	7114
Total for 3rd year		24852	18810	43662
4thYear				
(a) 1 weeding & soil working		7555	0	7555
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7622	0	7622
Total for 4th year		15177	0	15177
5thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8130	0	8130
Total for 5th year		8130	0	8130


6thYear				
Protection & maintenance of fencing/ tending operation	L.S.	8639	0	8639
Total for 6th year		8639	0	8639
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9147	0	9147
Total for 7th year		9147	0	9147
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9655	0	9655
Total for 8th year		9655	0	9655
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10163	0	10163
Total for 9th year		10163	0	10163
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10671	0	10671
Total for 10th year		10671	0	10671
SUB TOTAL :		235730	204060	439791
The Cost of Supervision/subsequential silvicultureal Operations	20%	47146	40812	87958
		282876	244872	527749

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.

Compensatory afforestation will be done in 1.00 ha. Area.

1 Ha cost, Rs. 527749 X 1.0 Ha. = Total Cost Rs. :527749/-


Dy. Conservator of Forests
Jamnagar Forest Division
Jamnagar

5 JAN 2021

Annexure-19

Compensatory Afforestation Scheme for double degraded area (Model-3)

Sub :- Diversion of 0.098 Ha . Forest land for laying Two 6 " (inch) dia PVC pipeline for irrigation and drinking water for Agriculture purpose from nearest dam in vil : Zakasiya ta : Jam Khambhaliya Di : Devbhumi Dwarka in Jamnagar Forest Division

Detailed scheme of Compensatory Afforestation for degraded area 1 ha. to be carried out in lieu of 0.098 ha. of forest land to be diverted in Jamnagar district.

1. Details of degraded land:-

District	Taluka	Range	Village	Survey No.	Area
Jamnagar	Lalpur	Lalpur	Vijaypur	25 Pt	1.00
Total					1.00

2. Description of Area:-

Soil type	Murraimy
Topography	Plain
Slope	Gentle
Whether the area is bearing any root stock of Vegetation	Most of the area is Degreeded

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, Jamnagar as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 1 ha. area. The total afforestation cost will be about Rs. 527749 Khuti Ranmal, Nana Asota 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 324.2 per day.		
b	Spacement	3 X 3 mtr., 1111 plants per ha.		
c	Species to be planted (No. of plants per ha.)	Kanji	200	75 cm
		Kadayo	100	75 cm
		Neem	200	75 cm
		Gunda	111	75 cm
		Gundi	100	75 cm
		Ardusa	200	75 cm
		Garmalo	100	65 cm
		Khakhra	100	75 cm
		Total	1111	


Sr. No.	Details	Specifications
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
		(ii) 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 Acacia and thorny 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 thorny Spp. along the fence.
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, 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	(i) A plantation register is to be maintained.
		(ii) Monitoring is to be done as per the following norms.
		Forester – 100%
		RFO – 100%
		ACF – 20%
		DCF – 10%
		(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.
		(iv) The collar girth is also to be reordered at the end of each year.
		(v) At the end of maintenance 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 4 th 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	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
Jamnagar Forest Division
Jamnagar

1 5 JAN 2021

The Compensatory Afforestation scheme at the cost of Rs. 527749/- is technically and administrative approved by the undersigned


Dy. Conservator of Forest
Jamnagar Forest Division
Jamnagar

1 5 JAN 2021