

ANNEXURE -19

ANNEXURE - XIII - G2

INTEGRATED FORESTRY DEVELOPMENT PROJECT

(SOCIAL FORESTRY) GUJARAT

REFORESTATION OF DEGRADED AREA - R2

Model - R2

Polypot size - 15 cms x 25 cms x 200g

DAILY WAGES - Rs. 297.60 / day

2000 PLANTS + 10% CASUALITY + 10% CASUALITY =
2400 PLANT PER HA.

Item of works

Qty.

Rate
in Rs.

L
Rs.

M
Rs.

T
Rs.

Remarks

NURSERY :

Raising of seedlings in 15 x 25 x 200 size polypots up to March, cost of containers, Soil, Manure, Seeds, Water, Fertilizer, insecticide, implementation of land etc.

2400
Seedlings

Lump

3069

6196

9265

Preparation & arranging of bagspreparation of beds, sowing of seeds, watering, shifting weeding etc.

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Lump

7359

0

7359

Purchase of seeds of grass herbs and preparation of grass fellets.

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Lump

205

274

479

Maintenance of seedlings from April - June

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Lump

1104

1534

2638

11737

8004

19741

LAND PREPARATION

Contour trench 2 rmt length 45 cm width x 30 cm depth

400/RMT
per ha.

7443

0

7443

Gully plugging

1 ha.

933

0

933

Nala Bunding

20cmt/ha

3715

0

3715

Van Talavadi

5000/ha

38851

0

38851

Digging of pits
30 cm x 30 cm x 30 cm

1666

8516

0

8516

Seed Sowing on contour bunds

400/ha

661

86

747

Contingency

600

0

600

60719

86

60805

Item of works	Qty.	Rate in Rs.	L Rs.	M Rs.	T Rs.	Remarks
PROTECTION						
Stone wall fencing 1mt x 1 mt x 60 cm	100RMT/ ha		18602	0	18602	
Trench 120 cm x 60 cm x 60 cm including Ipomea/ Planting	100RMT/ ha.		6978	0	6978	
Sowing of seeds on contour trenches and inner side of stone wall	100RMT/ ha		140	86	226	
			25720	86	25806	
First YEAR OPERATIONS :						
PLANTING :						
Transport of seedlings	2000 Seedlings		1073	1709	2782	
Planting	2000 Seedlings		4576	0	4576	
3 weeding cum soil working	Lump		18595	0	18595	
Application of DAP 10 gm./ plant one	1666		2167	5128	7295	
Preparation of 10000 pellets and sowing etc.	Lump/sum		653	257	910	
1st year - 9 Months for 25 ha.	1 ha.		2253	0	2253	
			29317	7094	36411	
SECOND YEAR OPERATIONS :						
10 % OF Nursery stock for casualty replacement			466	0	466	
Transport & Planting			109	0	109	
Two weeding cum soil working	1666		15494	0	15494	
Protection			3178	0	3178	
			19247	0	19247	
THIRD YEAR OPERATION :						
10 % OF Nursery stock for casualty replacement			466	0	466	
Transport & Planting			109	0	109	
One weeding cum soil working	1666		7746	0	7746	
Protection			3178	0	3178	
			11499	0	11499	
4th YEAR OPERATIONS :						
Weeding & Soil working			7746	0	7746	
Protection			3178	0	3178	
			10924	0	10924	

Item of works	Qty.	Rate in Rs.	L Rs.	M Rs.	T Rs.	Remarks
5th YEAR OPERATIONS :						
Weeding & Soil working			7746	0	7746	
Protection			3178	0	3178	
			10924	0	10924	
6th YEAR OPERATIONS :						
Fencing repair			3847	0	3847	
Tending of natural seedling (200 seedlings)			1555	0	1555	
Protection			3178	0	3178	
			8580	0	8580	
7th YEAR OPERATIONS :						
Protection			3178	0	3178	
8th YEAR OPERATIONS :						
Protection			3178	0	3178	
9th YEAR OPERATIONS :						
Protection			3178	0	3178	
10th YEAR OPERATIONS :						
Protection			3178	0	3178	
Grand Total			201379	15270	216649	


Deputy Conservator of Forest
Marine National Park
Jamnagar

101

Annexure-15
Scheme for Compensatory Afforestation

Detailed scheme for Compensatory Afforestation forest Department on equivalent non forest area.

(1) Details of non-forest land

District :- **Devbhumi Dwarka** Village :- **Vasai** Taluka :- Dwarka

Name of Forest Division :- **Marine National Park, Jamnagar** Range :- **MNP Dwarka**

Block / Compartment / Survey no. :- 114/p (Old S.n.70/1P)

Area to be afforested :- **11.26 Ha.**

(2) Description of Area

Soil type :- **Soft**

Topography :- **Plain**

Slope :- **Medium**

Whether the area is bearing any root stock or Vegetation:- **Vad, Gugad, Thor, Babool etc.**

(3) Name of Plantation Programme :- **Compensatory Afforestation R-2 Model**

(4) Schedule of Plantation programme


The Compensatory/Afforestation on non-forest degraded forest land would be started by **Dy. Conservator of Forests, Marine National Park, Jamnagar** as early as possible after the proposal is formally approved.

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

Calculation of Daily wage rate Rs. 297.60

Year	Area in Ha.	Rate/Ha.	Total Amt.
0 Year	11.26	106352	1197524
1 st Year	11.26	36411	409988
2 nd Year	11.26	19247	216721
3 rd Year	11.26	11499	129479
4 th Year	11.26	10924	123004
5 th Year	11.26	10924	123004
6 th Year	11.26	8580	96611
7 th Year	11.26	3178	35784
8 th Year	11.26	3178	35784
9 th Year	11.26	3178	35784
10 th Year	11.26	3178	35784
Total of work		216649	2439468
Supervision Charge 20%		43330	487896
Grand Total :-		259979	2927364

The user agency has given an undertaking to pay the cost of Compensatory afforestation as per the prevailing wages (including the price escalation and supervision charges)


Dy. Conservator of Forests
Marine National Park
Jamnagar.

105
103

Technical Detail (R-2 Model)

Technical details of Compensatory Afforestation are as follow:-

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|----|---|----|--|
| a) | General Details | :- | 2400 plants/ha will be planted or deep ploughing |
| b) | Spacement | :- | 3mtx2mt/for Tree species and 6mtx3mt shrub secoes |
| c) | Species | :- | Pilu, Dehi baval, untmarod, Gundi, etc. |
| d) | Nursery technique | :- | Nursery will raised in polybags of 15cmx20cmx200mg of size 10x1mt nursery beds will be dug. |
| e) | Site preparation | :- | Deep ploughing or pits will be dug. |
| f) | Plantation method (Size of Pit, ploughing etc.) | :- | 30cmx30cmx30cm pits to be dug before monsoon 2000 plants per ha. will be planted in pits already dug or in a furrow if ploughed. |
| g) | SMC works | :- | Check dam and contour bunds or Van Talavadi as per site requirement. |
| h) | Protection | :- | Trench fencing 120cmx60cm to be dug around the boundary |
| i) | Silvicultural operations | | Three soil working in current years followed by two soil working in one year and one soil working in Third years |
| j) | Maintenance | :- | By casual labour of 10 years. |
| k) | Subsequent silvicultural operations proposed such as cleaning, cutbacks, thinning etc. (as per species specific requirement) | :- | Whenever required |
| l) | Arrangement for people participation (if any) for long term sustenance of the plantation | :- | Departmental staff |
| m) | Proposed monitoring mechanism | :- | Monitoring will be done by monitoring wing of forest department |

**Dy. Conservator of Forest
Marine National Park
Jamnagar**

Technically Sanctioned for Rs. 2927364 (Twenty Nine lacs Twenty Seven Thousands Three hundred Sixty Four only)

**Chief Conservator of Forest
Marine National Park
Jamnagar**