

Annexure-19
Compensatory Afforestation Scheme for double degraded area

Diversion of **0.480** ha. Forest Land to be diverted Proposal for Reserved Forest Land for Construction of Khodiyar Dam To Gadadhara mandir Road, TaDhari, Dist. Amreli. Under Jurisdiction of The Dy. Conservator of forest, Gir (East) Division, Dhari. Gujarat State.

Detailed scheme of Compensatory Afforestation to be carried out in lieu of **0.480 Ha.** Of Reserve forest land Khodiyar Dam To Gadadhara mandir Road, Ta.Dhari, Dist. Amreli. Under Jurisdiction of The Dy. Conservator of forest, Gir (East) Division, Dhari. Gujarat State.

Details of degraded land.

The Villages, Talukas, Ranges, Districts and others details are as follows.

| | |
|-------------------------------|--------------------------|
| Village | Sukhapur |
| Taluka | Dhari |
| Range | Dalkhaniya |
| District | Amreli |
| Division | Gir East Division, Dhari |
| Block/ Patal, Compartment No. | 47 |
| Areato be afforested | 1.00 Ha. |
| Working circle | - |

Total Compensatory area 1.00 Ha.

3. Description of Area.

| | |
|----------------------------------------------------------|------------------------------|
| Soil type | Muramy hard soil |
| Topography | Plain |
| Slope | medium |
| Whether the area is bearing any root stock of Vegetation | Most of the area is degraded |

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 Deputy Conservator of Forest Gir East Forest Division, Dhari 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. 67637/- Gir East Forest Division, Dhari 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:-

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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. 100 plants per ha. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c | Species to be planted (No. of plants per ha.) | <table><tr><td>Harmo</td><td>17</td><td rowspan="7">Average minimum height will be Specification as per Gujarat forest department</td></tr><tr><td>Gugal</td><td>16</td></tr><tr><td>Bordi</td><td>17</td></tr><tr><td>Gorad</td><td>16</td></tr><tr><td>Saral</td><td>17</td></tr><tr><td>Desi Baval</td><td>17</td></tr><tr><td>Total</td><td>100</td></tr></table> <table><tr><td>Haramo</td><td>65 c.m.</td></tr><tr><td>Gugal</td><td>50 c.m.</td></tr><tr><td>Boradi</td><td>65 c.m.</td></tr><tr><td>Gorad</td><td>50 c.m.</td></tr><tr><td>Saral</td><td>65 c.m.</td></tr><tr><td>Desi Baval</td><td>100 c.m.</td></tr></table> | Harmo | 17 | Average minimum height will be Specification as per Gujarat forest department | Gugal | 16 | Bordi | 17 | Gorad | 16 | Saral | 17 | Desi Baval | 17 | Total | 100 | Haramo | 65 c.m. | Gugal | 50 c.m. | Boradi | 65 c.m. | Gorad | 50 c.m. | Saral | 65 c.m. | Desi Baval | 100 c.m. |
| Harmo | 17 | Average minimum height will be Specification as per Gujarat forest department | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gugal | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bordi | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gorad | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saral | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Desi Baval | 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Haramo | 65 c.m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gugal | 50 c.m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Boradi | 65 c.m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gorad | 50 c.m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Saral | 65 c.m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Desi Baval | 100 c.m. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| h | Protection Trench | Nil | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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. | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sr. No. | Details | Specifications |
|---------|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | <p>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.</p> <p>(vi) Third party monitoring mechanism is also in the State and if the plantations in the sample selected, it will also be monitored by the third party selected for this purpose.</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. |

The Compensatory Afforestation scheme at the cost of **Rs.67637/-** is technically and administrative approved by the undersigned.

Date:-8/12/2021.

Place: -Dhari.


 (Dr. Anshuman)
 Dy. Conservator of Forest
 Gir (East) Forest Division, Dhari.

Details of year Wise Break-Up requirement of fund is as under

Daily wages Rate: Rs.340.20

| Year | Area ha | Rate / ha. At the daily wage per ha. | Total Amount |
|------------------------|-------------|--------------------------------------|--------------|
| 0 Year | 1.00 | 27845 | 27845 |
| Current Year | 1.00 | 4801 | 4801 |
| 1st Year | 1.00 | 3091 | 3091 |
| 2nd Year | 1.00 | 3091 | 3091 |
| 3rd Year | 1.00 | 2192 | 2192 |
| 4th Year | 1.00 | 2192 | 2192 |
| 5th to 10th Year | 1.00 | 13152 | 13152 |
| Total | | 56364 | 56364 |
| 20% Supervision charge | | 11273 | 11273 |
| Total | 1.00 | 67637 | 67637 |

Rs. Sixty Seven Thousand Six Hundred Thirty Seven Only.

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 Charge)

(Dr. Anshuman)

Dy. Conservator of Forest
Gir (East) Forest Division, Dhari.


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Name of Project:-Proposal for diversion of 0.480 ha Reserved forest Land for the project of Construction of Khodiyar Dam To Gadadhara mandir Road (Village Road NP) k.m.0/00 to 0/600 Ta.Dhari Dist.Amreli in Gujarat state.

| Information of Compensatory Afforestation area GPS Point Gir (East) Forest Division, Dhari. | | | | | |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------|----------------------------------------|---------------------------------|-----------|-------------------------|
| Sr. no | Name of Village & Taluka Dist | Compensatory Afforestation area in Ha. | Compensatory Afforestation S.No | GPS Point | |
| 1 | Village- Sukhapur Taluka- Dhari Dist - Amreli | 1.00 | 47 | 1 | 21.230194 N 70.947269 E |
| | | | | 2 | 21.229805 N 70.945530 E |
| | | | | 3 | 21.230507 N 70.946145 E |
| | | | | 4 | 21.230467 N 70.946644 E |

Date:-8/12/2021

Place: -Dhari.


(Dr. Anshuman)
Dy. Conservator of Forest
Gir (East) Forest Division, Dhari.

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Daily wages Rs.340.20

2021-2022

CAMPA Omdel

Spacements = 3 m x 3 m

100 Plants per hactare +20% casualty repacment current year,first year 2nd year.

(20x30 polypots.)

| Sr.No. | Item of work | Qty. | Rate | Remarks |
|--------|--------------|------|------|---------|
|--------|--------------|------|------|---------|

1. Nursery

| | | | | |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|--|
| a | Nursery | | | |
| | Cost of container,soil, manure, seeds, water, fartillizer, insecticides, implements, rent of lands, Shade, etc. Labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc. Maintanace of seeding, watering shifting & grading, insecticie, hormones etc. from Apr to July. | 120 Seeding in 20x30 bags | 2630 | |
| Total of 1 | | | 2630 | |

2. Area Development (Land Preparation)

| | | | | |
|-------------------|-----------------------------------------------------------------------------------------------|-------|--------------|--|
| a | Selection of site, survey & preparation, site cleaning (cut back, pruning, treding oparation) | 1 Ha. | 10960 | |
| b | Aligment & digging of pits (45cm x 45cm x45 cm) | 100 | 1103 | |
| Total of 2 | | | 12063 | |

3. Protection

| | | | | |
|-------------------|--------------------------------|---------|--------------|--|
| a | Plant fencing 120 mrt. @rs 100 | 120 rmt | 13152 | |
| Total of 3 | | | 13152 | |

4. Current year Operation**Planting & Cultural Operation**

| | | | |
|-------------------|-------------------------------------------------------|-----|-------------|
| a | Raising of seedlings for casualty @ 20% | 20 | 258 |
| b | Transport of seedlings including casualty replacement | 120 | 539 |
| c | Planting with Khamna | 100 | 469 |
| d | First weeding cum soil working | 100 | 479 |
| e | Second weeding cum soil working | 100 | 359 |
| f | Support watering -3 times | 100 | 2696 |
| Total of 4 | | | 4801 |

5. 1st year Cultural Operation

| | | | |
|-------------------|----------------------------------------------------------|-----|-------------|
| a | Maintenance of casualty seedlings@20% from April to July | 20 | 258 |
| b | Casualty replacement transport & planting | 20 | 162 |
| c | One weeding cum soil working | 100 | 479 |
| d | Repairs of fence and protection | 100 | 2192 |
| Total of 5 | | | 3091 |

6. 2nd year Cultural Operation

| | | | |
|-------------------|----------------------------------------------------------|-----|-------------|
| a | Maintenance of casualty seedlings@20% from April to July | 20 | 258 |
| b | Casualty replacement transport & planting | 20 | 162 |
| c | One weeding cum soil working | 100 | 479 |
| d | Repairs of fence and protection | 100 | 2192 |
| Total of 6 | | | 3091 |

7. 3rd year Cultural Operation

| | | | |
|-------------------|---------------------------------|-----|-------------|
| a | Repairs of fence and protection | 100 | 2192 |
| Total of 7 | | | 2192 |

8. 4th year Cultural Operation

| | | | |
|-------------------|------------|---------|-------------|
| a | Protection | Lumpsum | 2192 |
| Total of 8 | | | 2192 |

9. 5th to 10th year cultural operation

| | | | |
|---|-------------------------------|---------|--------------|
| a | Protection | Lumpsum | 13152 |
| | Total of 8 | | 13152 |
| | Total | | 56364 |
| | 20% Supervision charge | | 11273 |
| | Grand Total | | 67637 |


Dy. Conservator of Forests
Gir (East) Forest Division, Dhari