

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Diversion of **0.83** ha. PF land for grant of uses of drinking water supply to pilgrims on Girnar mountain upto Ambaji Temple water will be further pumped at two different pumping station to Ambaji Temple proposed sump. Water pipeline through in Girnar wildlife sanctuary Girnar Gol Taluka-Junagadh District-Junagadh

Detailed scheme of Compensatory Afforestation for degraded area 2 ha. to be carried out in lieu of 0.83 ha. of Protected forest land to be diverted in Junagadh district.

1. Details of degraded land.

| | |
|-------------------------------|----------------|
| Village | Khageshri |
| Taluka | Kutiyana |
| Range | Kutiyana Range |
| District | Porbandar |
| Division | Junagadh |
| Block/ Patal, Compartment No. | 589 |
| Area to be afforested | 2 Ha. |
| Working circle | |

2. Description of Area.

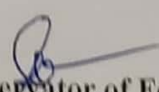
| | |
|--|----------------------------|
| Soil type | Black |
| Topography | Plain/Hilly |
| Slope | Gentle |
| Whether the area is bearing any root stock of Vegetation | Vegetation Mainly Prosopis |

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 Junagadh Forest Division as early as possible after the proposal is formally approved. |
| (ii) | Compensatory Afforestation will be done in 2 ha. area. The total afforestation cost will be about Rs.8,60,254/- Deputy Executive Engineer, Junagadh WSSB has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges). |


Deputy Conservator of Forests
Junagadh Division, Junagadh

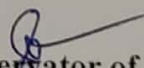
5. Technical Details:-

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 310.40 per day. | | | | | | | | | | | | | | | | | | | | |
| b | Spacement | 3 X 3 mtr., 1111 plants per ha. | | | | | | | | | | | | | | | | | | | | |
| c | Species to be planted (No. of plants per ha.) | <table border="1"> <tr> <td>Kanji</td><td>200</td><td rowspan="8">Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.</td></tr> <tr> <td>Kadaya</td><td>100</td></tr> <tr> <td>Neem</td><td>200</td></tr> <tr> <td>Gunda</td><td>150</td></tr> <tr> <td>Gundi</td><td>111</td></tr> <tr> <td>Ardusa</td><td>200</td></tr> <tr> <td>Garmala</td><td>100</td></tr> <tr> <td>Anjan (Hardwickia binata)</td><td>50</td></tr> <tr> <td>Total</td><td>1111</td><td></td></tr> </table> | Kanji | 200 | Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species. | Kadaya | 100 | Neem | 200 | Gunda | 150 | Gundi | 111 | Ardusa | 200 | Garmala | 100 | Anjan (Hardwickia binata) | 50 | Total | 1111 | |
| Kanji | 200 | Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species. | | | | | | | | | | | | | | | | | | | | |
| Kadaya | 100 | | | | | | | | | | | | | | | | | | | | | |
| Neem | 200 | | | | | | | | | | | | | | | | | | | | | |
| Gunda | 150 | | | | | | | | | | | | | | | | | | | | | |
| Gundi | 111 | | | | | | | | | | | | | | | | | | | | | |
| Ardusa | 200 | | | | | | | | | | | | | | | | | | | | | |
| Garmala | 100 | | | | | | | | | | | | | | | | | | | | | |
| Anjan (Hardwickia binata) | 50 | | | | | | | | | | | | | | | | | | | | | |
| 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 (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 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 | 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 | Cleaning, cutbacks, thinning etc. (as per species specific requirement) | | | | | | | | | | | | | | | | | | | | |

| | | |
|---|---------------------------------|---|
| | silvicultural Operation | 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. Forester – 100% RFO – 100% ACF – 20% 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> <p>(vi) Bamboo would be of the harvestable size by the end of 4th year.</p> <p>(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.</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.8,60,254/-** is technically and administrative approved by the undersigned.


Deputy. Conservator of Forest
Junagadh Division, Junagadh

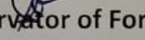
Details of year wise Break-up of requirement of fund is as under :- rate 310.40

| year | ha. | rate / ha. at the daily wage per ha. | Total Amount |
|------------------------|-----|--------------------------------------|--------------|
| 0 Year | 2 | 117895 | 235790 |
| 1st Year | 2 | 76803 | 153606 |
| 2nd Year | 2 | 53405 | 106810 |
| 3rd Year | 2 | 41802 | 83604 |
| 4th Year | 2 | 14530 | 29060 |
| 5th Year | 2 | 7785 | 15570 |
| 6th Year | 2 | 8271 | 16542 |
| 7th Year | 2 | 8758 | 17516 |
| 8th Year | 2 | 9243 | 18486 |
| 9th Year | 2 | 9730 | 19460 |
| 10th Year | 2 | 10217 | 20434 |
| Total | | 358439 | 716878 |
| 20% Supervision charge | | 71688 | 143376 |
| Total | | 430127 | 860254 |

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)

Place :Junagadh

Date : /01/2020


Dy. Conservator of Forests
Junagadh Forest Division Junagadh

Checklist No. 19-B

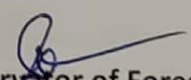
Rate structure of forestland of village : Khageshri ta. Kutiyana District : Porbandar
2.00 ha. Afforestation as per Add.pri.C.C.F. land, Gujarat State, Gandhinagar's letter no.
Campa/31/B/4769-4838/Dt. 27/11/2019.

| Year | Rate / ha. at the daily wage Rs. 307.90 | Admissible Rate / ha current daily Wage rate 310.40 | Admissible total amount as per daily Wages rate Rs. 310.40 |
|------------------------|--|---|---|
| 70% Adv.Works | 81862 | 82527 | 165054 |
| 30% Adv.Works | 35083 | 35368 | 70736 |
| 0 Year | 116945 | 117895 | 235790 |
| 1st Year | 76184 | 76803 | 153606 |
| 2nd Year | 52975 | 53405 | 106810 |
| 3rd Year | 41465 | 41802 | 83604 |
| 4th Year | 14413 | 14530 | 29060 |
| 5th Year | 7722 | 7785 | 15570 |
| 6th Year | 8204 | 8271 | 16542 |
| 7th Year | 8687 | 8758 | 17516 |
| 8th Year | 9169 | 9243 | 18486 |
| 9th Year | 9652 | 9730 | 19460 |
| 10th Year | 10135 | 10217 | 20434 |
| Total | 355551 | 358439 | 716878 |
| 20% Supervision charge | 71110 | 71688 | 143376 |
| Total | 426661 | 430127 | 860254 |

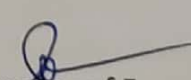
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as per the Prevailing wages (including the price escalation and supervision charge)

Place : Junagadh

Date : /01/2020


Dy. Conservator of Forests
Junagadh Forest Division Junagadh

Technically Sanctioned for Rs. 8,60,254/- in words Rs. Eight lacs Sixty Thousand
Two hundred Fifty Four rupees only.


Dy. Conservator of Forests
Junagadh Forest Division Junagadh