

Compensary Afforestation Scheme for double degraded area

Diversion of 0.0700 ha.PF of Forest land for Erection of 11 KV overhead electric line in forest area for electrification of 1 nos of Ag. Connection At Bamnasha Village of Talala Taluka Gir Somnath District.

Detailed scheme of Compensatory Afforestation for degraded area 01.00 ha. to be carried out in lieu of 0.0700 ha. of PF, forest land to be diverted in Gir Somnath district.

## 1. Details of degraded land.

|                             |                             |
|-----------------------------|-----------------------------|
| Village                     | Mandorana                   |
| Taluka                      | Talala                      |
| Range                       | Ankolwadi                   |
| District                    | Gir Somnath                 |
| Division                    | Gir West Division, Junagadh |
| Block/Patal, Compartment No | Survey No.114/1 PF          |
| Area to be afforested       | 1.00 Ha.                    |
| Working circle              | -----                       |

## 2. Description of Area.

|                                                          |                    |
|----------------------------------------------------------|--------------------|
| Soil type                                                | Black & Red Sandy  |
| Topography                                               | Plain              |
| Slope                                                    | Predominantly Flat |
| Whether the area is bearing any root stock of Vegetation | Yes                |

3. Name of Plantation Programme :-  
Compensatory Afforestation Scheme for Degraded Area.

## 4. Schedule of Plantation Programme :-

|                                                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (i) The Compensatory Afforestation on degraded area would be started by as Dy.Conservator of Forest Gir West Division, Junagadh as early 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.4,69,400/- (Four Lakh Sixty Nine Thousand Four Hundred Only.) PGVCL Ankolwadi Sub Division 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:

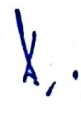
| Sr. No.                                                                                                             | Details                                          | Specifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
|---------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|--------------------------------------------------------------------------------------------------------------|--------|-----|------|-----|-------|-----|-------|----|--------|----|-------|-----|-------------|----|-------|-----|--------|-----|---------------------------------------------------------------------------------------------------------------------|----|--------------|-------------|
| a                                                                                                                   | General Details                                  | The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The prevailing wage rate is 310.40 per day.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| b                                                                                                                   | Spacement                                        | 3 X 3 mtr., 1111 plants per ha.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| c                                                                                                                   | Species to be planted<br>(No. of plants per ha.) | <table border="1"> <tr> <td>Khair</td><td>200</td><td rowspan="12">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>Bael</td><td>100</td></tr> <tr> <td>Sadad</td><td>100</td></tr> <tr> <td>Salai</td><td>70</td></tr> <tr> <td>Baheda</td><td>50</td></tr> <tr> <td>Kanji</td><td>150</td></tr> <tr> <td>Arjun Sadad</td><td>70</td></tr> <tr> <td>Aonla</td><td>100</td></tr> <tr> <td>Bamboo</td><td>101</td></tr> <tr> <td>Safed Khakhro (Butea monosperma var, lutea), Anjan (Hardwickia binata), Dhauro (Anogeissus sericea var. nummularia)</td><td>70</td></tr> <tr> <td><b>Total</b></td><td><b>1111</b></td></tr> </table> | Khair | 200 | Minimum planting Height will be 100 cm. at the time of planting. However it will vary for different species. | Kadaya | 100 | Bael | 100 | Sadad | 100 | Salai | 70 | Baheda | 50 | Kanji | 150 | Arjun Sadad | 70 | Aonla | 100 | Bamboo | 101 | Safed Khakhro (Butea monosperma var, lutea), Anjan (Hardwickia binata), Dhauro (Anogeissus sericea var. nummularia) | 70 | <b>Total</b> | <b>1111</b> |
| Khair                                                                                                               | 200                                              | Minimum planting Height will be 100 cm. at the time of planting. However it will vary for different species.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Kadaya                                                                                                              | 100                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Bael                                                                                                                | 100                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Sadad                                                                                                               | 100                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Salai                                                                                                               | 70                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Baheda                                                                                                              | 50                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Kanji                                                                                                               | 150                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Arjun Sadad                                                                                                         | 70                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Aonla                                                                                                               | 100                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Bamboo                                                                                                              | 101                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| Safed Khakhro (Butea monosperma var, lutea), Anjan (Hardwickia binata), Dhauro (Anogeissus sericea var. nummularia) | 70                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| <b>Total</b>                                                                                                        | <b>1111</b>                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| 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-                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| f                                                                                                                   | Plantation Method                                | Polypot raised plants will be planted during monsoon.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| g                                                                                                                   | Soil & Moisture Conservation Works               | <p>(i) Pucca structure like Check dam, check wall, retaining wall</p> <p>(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 &amp; Nala handing using "l" 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.</p>                                                                                                                                                                                                                                                                                 |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| h                                                                                                                   | Protection "French                               | Barbed wire fencing, Seed sowing And planting of cuttings of Ipomea/ Glarcidia along the fence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |
| i                                                                                                                   | Silvicultural Operations                         | <p>1<sup>st</sup> year three weeding soil working, Support watering will be Provided if needed.</p> <p>2<sup>d</sup> year two weeding soil working.</p> <p>3<sup>d</sup> year one weeding soil working.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |     |                                                                                                              |        |     |      |     |       |     |       |    |        |    |       |     |             |    |       |     |        |     |                                                                                                                     |    |              |             |

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|----------|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|-----|--------|-----|---------|-----|-------|
| j        | Maintenance                        | It is proposed to maintain the Plantation up to ten ears.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |          |        |     |        |     |         |     |       |
| k        | Subsequent silvicultural Operation | Cleanings, 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> <table><tr><td>Forester</td><td>— 100%</td></tr><tr><td>RFO</td><td>— 100%</td></tr><tr><td>ACF</td><td>--- 20%</td></tr><tr><td>DCF</td><td>— 10%</td></tr></table> <p>(iii) The recruits of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of the September and March each Year.</p> <p>(iv) The collar girth is also to be recorded 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 4<sup>th</sup> 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> | Forester | — 100% | RFO | — 100% | ACF | --- 20% | DCF | — 10% |
| Forester | — 100%                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |        |     |        |     |         |     |       |
| RFO      | — 100%                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |        |     |        |     |         |     |       |
| ACF      | --- 20%                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |        |     |        |     |         |     |       |
| DCF      | — 10%                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |          |        |     |        |     |         |     |       |
| 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |        |     |        |     |         |     |       |

  
Deputy Conservator of Forest  
Gir West Division, Junagadh

The Compensatory Afforestation scheme at the cost of Rs.4,69,400/- is technically and administratively approved by the undersigned.

  
Deputy Conservator of Forest  
Gir West Division, Junagadh

Compensatory Afforestation Scheme for double degraded area under FCA proposal Diversion of 0.0700 ha.PF of Forest land for Erection of 11 KV overhead electric line in forest area for electrification of 1 nos of Ag. connection At Bamnasha Village of Talala Taluka Gir Somnath District.

Daily wages Rs.310.40

| 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            |
| <b>0 year</b>                                                                                                                                      |            |              |              |              |
| Nursery                                                                                                                                            |            |              |              |              |
| (a) Cost of soil, manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement) | 1222       | 0            | 1830         | 1830         |
| (b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.                                 | 1222       | 4478         | 232          | 4710         |
| (c) Seedling cost for casualty replacement in one year old (20%)                                                                                   | 222        | 1415         | 422          | 1837         |
| (d) Seedling cost for casualty replacement in two year old (10%)                                                                                   | 111        | 708          | 210          | 918          |
| <b>Total</b>                                                                                                                                       |            | <b>6601</b>  | <b>2694</b>  | <b>9295</b>  |
| <b>2. Area Development ( Land Preparation )</b>                                                                                                    |            |              |              |              |
| (a) Survey, cutback and promotion of root suckers                                                                                                  |            | 3365         | 0            | 3365         |
| (b) Aligment and digging of pits 0.45 X 0.45 X 0.45                                                                                                | 1222@6.00  | 9715         | 0            | 9715         |
| <b>Total</b>                                                                                                                                       |            | <b>13080</b> | <b>0</b>     | <b>13080</b> |
| (a) Natural fertilizer (Neem cake/ Castor cake)                                                                                                    | 1111@ 5.00 | 0            | 9910         | 9910         |
| <b>Total</b>                                                                                                                                       |            | <b>0</b>     | <b>9910</b>  | <b>9910</b>  |
| <b>3. SMC Works</b>                                                                                                                                |            |              |              |              |
| (a) forest pond                                                                                                                                    | L.S.       | 0            | 0            | 0            |
| (b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)                                                                            | 600 rmt.   | 9098         | 0            | 9098         |
| <b>Total</b>                                                                                                                                       |            | <b>9098</b>  | <b>0</b>     | <b>9098</b>  |
| <b>4. Protection</b>                                                                                                                               |            |              |              |              |
| (a) Barbed wire fencing                                                                                                                            | L.S.       | 0            | 0            | 0            |
| (b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence                                                                     |            | 1110         | 476          | 1586         |
| (c) Brush Wood                                                                                                                                     | CMt        | 0            | 0            | 0            |
| <b>Total</b>                                                                                                                                       |            | <b>1110</b>  | <b>476</b>   | <b>1586</b>  |
| <b>Total for 0 year</b>                                                                                                                            |            | <b>29889</b> | <b>13080</b> | <b>42969</b> |
| <b>1st Year</b>                                                                                                                                    |            |              |              |              |
| (a) Maintenance of nursery (April to June)                                                                                                         | 1222       | 3434         | 343          | 3777         |
| (b) Transport of seedling for plantation                                                                                                           | 1111       | 1884         | 389          | 2273         |
| (c) Planting with khamna of Min 1 m dia                                                                                                            | 1111       | 5792         | 0            | 5792         |
| (d) Transport & planting of seedling for casualty replacement                                                                                      | 111        | 402          | 44           | 446          |
| (e) 3 weeding cum soil working                                                                                                                     | 1111       | 22574        | 0            | 22574        |
| (f) Support watering 5 times @ 3.25                                                                                                                |            | 14430        | 20706        | 35136        |
| (g) Protection / tending operation                                                                                                                 |            | 8076         | 0            | 8076         |
| (h) Tending to natural vegetation                                                                                                                  |            | 1168         | 0            | 1168         |
| (i) Contingency                                                                                                                                    |            | 0            | 1168         | 1168         |
| <b>Total for 1st year</b>                                                                                                                          |            | <b>57760</b> | <b>22650</b> | <b>80410</b> |
| <b>2nd Year</b>                                                                                                                                    |            |              |              |              |

| Item of work                                                           | Qty.        | Labour        | Material     | Total         |
|------------------------------------------------------------------------|-------------|---------------|--------------|---------------|
| (a) 2 weeding & soil working                                           |             | 12537         | 0            | 12537         |
| (b) 20 % Casually replècement, transport and planting                  | 111+111     | 211           | 1050         | 1261          |
| (c) Natural fertilizer (neem cake / caster cake ) etc.                 | Rs.5/ plant | 0             | 11712        | 11712         |
| (d ) Support watering 3 times @ 3.25                                   |             | 9377          | 13459        | 22836         |
| (e) Protection / tending operation                                     |             | 9624          | 0            | 9624          |
| <b>Total for 2nd year</b>                                              |             | <b>31749</b>  | <b>26221</b> | <b>57970</b>  |
| <b>3rd Year</b>                                                        |             |               |              |               |
| (a) 2 weeding & soil working                                           |             | 13502         | 0            | 13502         |
| (b) 10 % Casually replècement, transport and planting                  | 222         | 113           | 566          | 679           |
| (b) Natural fertilizer, neem cake etc.                                 | Rs.5/ plant | 0             | 12613        | 12613         |
| (c ) Support watering 1 times @ 3.25                                   |             | 3367          | 4831         | 8198          |
| (d) Protection & maintenance of fencing / tending operation            | L.S.        | 11402         | 0            | 11402         |
| <b>Total for 3rd year</b>                                              |             | <b>28384</b>  | <b>18010</b> | <b>46394</b>  |
| <b>4thYear</b>                                                         |             |               |              |               |
| (a) 1 weeding & soil working                                           |             | 7232          | 0            | 7232          |
| (b) Protection & Maintenance of fencing/ Tending operation             | L.S.        | 13437         | 0            | 13437         |
| <b>Total for 4th year</b>                                              |             | <b>20669</b>  | <b>0</b>     | <b>20669</b>  |
| <b>5thYear</b>                                                         |             |               |              |               |
| Protection & maintenance of fencing/ tending operation                 | L.S.        | 15766         | 0            | 15766         |
| <b>Total for 5th year</b>                                              |             | <b>15766</b>  | <b>0</b>     | <b>15766</b>  |
| <b>6thYear</b>                                                         |             |               |              |               |
| Protection & maintenance of fencing/ tending operation                 | L.S.        | 18426         | 0            | 18426         |
| <b>Total for 6th year</b>                                              |             | <b>18426</b>  | <b>0</b>     | <b>18426</b>  |
| <b>7thYear</b>                                                         |             |               |              |               |
| Protection & maintenance of fencing/ tending operation                 | L.S.        | 21461         | 0            | 21461         |
| <b>Total for 7th year</b>                                              |             | <b>21461</b>  | <b>0</b>     | <b>21461</b>  |
| <b>8thYear</b>                                                         |             |               |              |               |
| Protection & maintenance of fencing/ tending operation                 | L.S.        | 24919         | 0            | 24919         |
| <b>Total for 8th year</b>                                              |             | <b>24919</b>  | <b>0</b>     | <b>24919</b>  |
| <b>9thYear</b>                                                         |             |               |              |               |
| Protection & maintenance of fencing/ tending operation                 | L.S.        | 28854         | 0            | 28854         |
| <b>Total for 9th year</b>                                              |             | <b>28854</b>  | <b>0</b>     | <b>28854</b>  |
| <b>10thYear</b>                                                        |             |               |              |               |
| Protection & maintenance of fencing/ tending operation                 | L.S.        | 33325         | 0            | 33325         |
| <b>Total for 10th year</b>                                             |             | <b>33325</b>  | <b>0</b>     | <b>33325</b>  |
| <b>SubTotal</b>                                                        |             | <b>311202</b> | <b>79961</b> | <b>391163</b> |
| <b>Total cost of supervision/subsequentalsilvicultureal operations</b> | 20%         | 62240         | 15992        | 78233         |
| <b>Grand Total</b>                                                     |             | <b>373442</b> | <b>95953</b> | <b>469396</b> |
| <b>Say Amount Rs.</b>                                                  |             |               |              | <b>469400</b> |

Note :-

- (1) Seed sowing along fencing towards the inner side.
- (2) Planting of cutting of ipomea//Gliricidia along the fencing towards outer side

Dy. Conservator of Forests  
Gir West Division, Junagadh

Annexure - 1

Proposed area for double degradation afforestation as well as for CAMPA (CA) projects for barren degraded forest areas

| S.No. | Name of FCA proposal Division | Proposed territorial divisions for double degradation afforestation | Remarks |
|-------|-------------------------------|---------------------------------------------------------------------|---------|
| 1     | 2                             | 3                                                                   | 4       |
| 1     | Gir (West) Division, Junagadh | Gir (West) Division, Junagadh                                       |         |
|       |                               |                                                                     |         |
|       |                               |                                                                     |         |

Date: / /2020  
Place: Junagadh

  
Deputy Conservator of Forests  
Gir (west) Division, Junagadh

### Patrak-3

Compensatory Afforestation Scheme for double degraded area under FCA proposal Diversion of 0.0700 ha.PF of Forest land for Erection of 11 KV overhead electric line in forest area for electrification of 1 nos of Ag. connection At Bamnasha Village of Talala Taluka Gir Somnath District.

Daily wages Rs.310.40

| 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            |
| <b>0 year</b>                                                                                                                                      |            |              |              |              |
| Nursery                                                                                                                                            |            |              |              |              |
| (a) Cost of soil, manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement) | 1222       | 0            | 1830         | 1830         |
| (b) labour : Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.                                 | 1222       | 4478         | 232          | 4710         |
| (c) Seedling cost for casualty replacement in one year old (20%)                                                                                   | 222        | 1415         | 422          | 1837         |
| (d) Seedling cost for casualty replacement in two year old (10%)                                                                                   | 111        | 708          | 210          | 918          |
| <b>Total</b>                                                                                                                                       |            | <b>6601</b>  | <b>2694</b>  | <b>9295</b>  |
| <b>2. Area Development ( Land Preparation )</b>                                                                                                    |            |              |              |              |
| (a) Survey, cutback and promotion of root suckers                                                                                                  |            | 3365         | 0            | 3365         |
| (b) Aligment and digging of pits 0.45 X 0.45 X 0.45                                                                                                | 1222@6.00  | 9715         | 0            | 9715         |
| <b>Total</b>                                                                                                                                       |            | <b>13080</b> | <b>0</b>     | <b>13080</b> |
| (a) Natural fertilizer (Neem cake/ Castor cake)                                                                                                    | 1111@ 5.00 | 0            | 9910         | 9910         |
| <b>Total</b>                                                                                                                                       |            | <b>0</b>     | <b>9910</b>  | <b>9910</b>  |
| <b>3. SMC Works</b>                                                                                                                                |            |              |              |              |
| (a) forest pond                                                                                                                                    | L.S.       | 0            | 0            | 0            |
| (b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)                                                                            | 600 rmt.   | 9098         | 0            | 9098         |
| <b>Total</b>                                                                                                                                       |            | <b>9098</b>  | <b>0</b>     | <b>9098</b>  |
| <b>4. Protection</b>                                                                                                                               |            |              |              |              |
| (a) Barbed wire fencing                                                                                                                            | L.S.       | 0            | 0            | 0            |
| (b) Seed sowing and planting of cuttings of Ipomea/ Glaricidia along the fence                                                                     |            | 1110         | 476          | 1586         |
| (c) Brush Wood                                                                                                                                     | CMt        | 0            | 0            | 0            |
| <b>Total</b>                                                                                                                                       |            | <b>1110</b>  | <b>476</b>   | <b>1586</b>  |
| <b>Total for 0 year</b>                                                                                                                            |            | <b>29889</b> | <b>13080</b> | <b>42969</b> |
| <b>1st Year</b>                                                                                                                                    |            |              |              |              |
| (a) Maintenance of nursery (April to June)                                                                                                         | 1222       | 3434         | 343          | 3777         |
| (b) Transport of seedling for plantation                                                                                                           | 1111       | 1884         | 389          | 2273         |
| (c) Planting with khamna of Min 1 m dia                                                                                                            | 1111       | 5792         | 0            | 5792         |
| (d)Transport & planting of seedling for casualty replacement                                                                                       | 111        | 402          | 44           | 446          |
| (e) 3 weeding cum soil working                                                                                                                     | 1111       | 22574        | 0            | 22574        |
| (f) Support watering 5 times @ 3.25                                                                                                                |            | 14430        | 20706        | 35136        |
| (g) Protection / tending operation                                                                                                                 |            | 8076         | 0            | 8076         |
| (h) Tending to natural vegetation                                                                                                                  |            | 1168         | 0            | 1168         |
| (i) Contingency                                                                                                                                    |            | 0            | 1168         | 1168         |
| <b>Total for 1st year</b>                                                                                                                          |            | <b>57760</b> | <b>22650</b> | <b>80410</b> |
| <b>2nd Year</b>                                                                                                                                    |            |              |              |              |

| Item of work                                                        | Qty.        | Labour        | Material     | Total         |
|---------------------------------------------------------------------|-------------|---------------|--------------|---------------|
| (a) 2 weeding & soil working                                        |             | 12537         | 0            | 12537         |
| (b) 20 % Casually replcement, transport and planting                | 111+111     | 211           | 1050         | 1261          |
| (c) Natural fertilizer (neem cake / caster cake ) etc.              | Rs.5/ plant | 0             | 11712        | 11712         |
| (d ) Support watering 3 times @ 3.25                                |             | 9377          | 13459        | 22836         |
| (e) Protection / tending operation                                  |             | 9624          | 0            | 9624          |
| <b>Total for 2nd year</b>                                           |             | <b>31749</b>  | <b>26221</b> | <b>57970</b>  |
| <b>3rd Year</b>                                                     |             |               |              |               |
| (a) 2 weeding & soil working                                        |             | 13502         | 0            | 13502         |
| (b) 10 % Casually replcement, transport and planting                | 222         | 113           | 566          | 679           |
| (b) Natural fertilizer, neem cake etc.                              | Rs.5/ plant | 0             | 12613        | 12613         |
| (c ) Support watering 1 times @ 3.25                                |             | 3367          | 4831         | 8198          |
| (d) Protection & maintenance of fencing / tending operation         | L.S.        | 11402         | 0            | 11402         |
| <b>Total for 3rd year</b>                                           |             | <b>28384</b>  | <b>18010</b> | <b>46394</b>  |
| <b>4thYear</b>                                                      |             |               |              |               |
| (a) 1 weeding & soil working                                        |             | 7232          | 0            | 7232          |
| (b) Protection & Maintenance of fencing/ Tending operation          | L.S.        | 13437         | 0            | 13437         |
| <b>Total for 4th year</b>                                           |             | <b>20669</b>  | <b>0</b>     | <b>20669</b>  |
| <b>5thYear</b>                                                      |             |               |              |               |
| Protection & maintenance of fencing/ tending operation              | L.S.        | 15766         | 0            | 15766         |
| <b>Total for 5th year</b>                                           |             | <b>15766</b>  | <b>0</b>     | <b>15766</b>  |
| <b>6thYear</b>                                                      |             |               |              |               |
| Protection & maintenance of fencing/ tending operation              | L.S.        | 18426         | 0            | 18426         |
| <b>Total for 6th year</b>                                           |             | <b>18426</b>  | <b>0</b>     | <b>18426</b>  |
| <b>7thYear</b>                                                      |             |               |              |               |
| Protection & maintenance of fencing/ tending operation              | L.S.        | 21461         | 0            | 21461         |
| <b>Total for 7th year</b>                                           |             | <b>21461</b>  | <b>0</b>     | <b>21461</b>  |
| <b>8thYear</b>                                                      |             |               |              |               |
| Protection & maintenance of fencing/ tending operation              | L.S.        | 24919         | 0            | 24919         |
| <b>Total for 8th year</b>                                           |             | <b>24919</b>  | <b>0</b>     | <b>24919</b>  |
| <b>9thYear</b>                                                      |             |               |              |               |
| Protection & maintenance of fencing/ tending operation              | L.S.        | 28854         | 0            | 28854         |
| <b>Total for 9th year</b>                                           |             | <b>28854</b>  | <b>0</b>     | <b>28854</b>  |
| <b>10thYear</b>                                                     |             |               |              |               |
| Protection & maintenance of fencing/ tending operation              | L.S.        | 33325         | 0            | 33325         |
| <b>Total for 10th year</b>                                          |             | <b>33325</b>  | <b>0</b>     | <b>33325</b>  |
| <b>SubTotal</b>                                                     |             | <b>311202</b> | <b>79961</b> | <b>391163</b> |
| <b>Total cost of supervision/subsequent silviculture operations</b> | 20%         | 62240         | 15992        | 78233         |
| <b>Grand Total</b>                                                  |             | <b>373442</b> | <b>95953</b> | <b>469396</b> |
| <b>Say Amount Rs.</b>                                               |             |               |              | <b>469400</b> |

Note :-

- (1) Seed sowing along fencing towards the inner side.
- (2) Planting of cutting of ipomea//Glaricidia along the fencing towards outer side

Dy. Conservator of Forests  
Gir West Division, Junagadh

# Rate Structure for Compensatory Afforestation Scheme

Daily Wages : Rs. 310.40

Model-3 1111 PuHa.

| Sr. No. | Rate                                   | Hactor | 0 Year | 1st Year | 2nd Year | 3rd Year | 4th Year | 5th Year | 6th Year | 7th Year | 8th Year | 9th Year | 10th Year | Total          | 20% Add | Grand Total |
|---------|----------------------------------------|--------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|----------------|---------|-------------|
| 1       | 3                                      | 4      | 5      | 6        | 7        | 8        | 9        | 10       | 11       | 12       | 13       | 14       | 15        | 16             | 17      | 18          |
| A       | Normal Rate par 1.00 Ha.               | 1.00   | 39064  | 67009    | 44592    | 33138    | 13779    | 9854     | 10839    | 11923    | 13115    | 14427    | 15869     | 273609         | 54722   | 328331      |
| B       | Increased Rate par 1.00 Ha by 10% Year | 1.00   | 42969  | 80410    | 57970    | 46394    | 20669    | 15766    | 18426    | 21461    | 24919    | 28854    | 33325     | 391163         | 78233   | 469396      |
| 2       | A Normal Rate                          | 1.00   | 39064  | 67009    | 44592    | 33138    | 13779    | 9854     | 10839    | 11923    | 13115    | 14427    | 15869     | 273609         | 54722   | 328331      |
| B       | Increased by 10% Year                  | 1.00   | 42969  | 80410    | 57970    | 46394    | 20669    | 15766    | 18426    | 21461    | 24919    | 28854    | 33325     | 391163         | 78233   | 469396      |
|         |                                        |        |        |          |          |          |          |          |          |          |          |          |           | Total Cost Rs. |         | 469400      |

NB:(1) For Different Years the rate shown for B has been devried from A as Follows.

|                      |                        |
|----------------------|------------------------|
| 0 Year-B=A +10% of A | 6 Year-B=A +70% of A   |
| 1 Year-B=A +20% of A | 7 Year-B=A +80% of A   |
| 2 Year-B=A +30% of A | 8 Year-B=A +90% of A   |
| 3 Year-B=A +40% of A | 9 Year-B=A +100% of A  |
| 4 Year-B=A +50% of A | 10 Year-B=A +110% of A |
| 5 Year-B=A +60% of A |                        |

NB:(2)-

In column 17 the additional 20% is lowards the cost of supervision/subsequent silvicultureal operations

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| Name of works                                                 | Model No. | Area | Rate per | Amount |          |          |          |          |          |          |          |          |          | Total Rs. |           |        |
|---------------------------------------------------------------|-----------|------|----------|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|-----------|--------|
|                                                               |           | H.A. | Hac.     | 0 Year | 1st Year | 2nd Year | 3rd Year | 4th Year | 5th Year | 6th Year | 7th Year | 8th Year | 9th Year |           | 10th Year | 20%    |
| 0 Year 70 % Adv. work.<br>1st Year Operation.                 | Model-3   | 1.00 | 42969    | 42969  | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 8594      | 51563  |
| 1st Year 30 % Advance work<br>Current year plantation         |           |      | 80410    | 0      | 80410    | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 16082     | 96492  |
| 2nd Year operation Maintenance<br>of one year old plantation. |           |      | 57970    | 0      | 0        | 57970    | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 11594     | 69564  |
| 3rd Year operation Maintenance<br>of 2 years old plantation.  |           |      | 46394    | 0      | 0        | 0        | 46394    | 0        | 0        | 0        | 0        | 0        | 0        | 0         | 9279      | 55673  |
| 4th year operation Maint.of 3<br>years old plantation.        |           |      | 20669    | 0      | 0        | 0        | 0        | 20669    | 0        | 0        | 0        | 0        | 0        | 0         | 4134      | 24803  |
| 5th year operation Maint.Of 4<br>years old plantation.        |           |      | 15766    | 0      | 0        | 0        | 0        | 0        | 15766    | 0        | 0        | 0        | 0        | 0         | 3153      | 18919  |
| 6th year operation Maint.of 5<br>years old plantation.        |           |      | 18426    | 0      | 0        | 0        | 0        | 0        | 0        | 18426    | 0        | 0        | 0        | 0         | 3685      | 22111  |
| 7th year operation Maint.of 6<br>years old plantation.        |           |      | 21461    | 0      | 0        | 0        | 0        | 0        | 0        | 0        | 21461    | 0        | 0        | 0         | 4292      | 25753  |
| 8th year operation Maint.of 7<br>years old plantation.        |           |      | 24919    | 0      | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 24919    | 0        | 0         | 4984      | 29903  |
| 9th year operation Maint.of 8<br>years old plantation.        |           |      | 28854    | 0      | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 28854    | 0         | 5771      | 34625  |
| 10th year operation Maint.of 9<br>years old plantation.       |           |      | 33325    | 0      | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 0        | 33325     | 6665      | 39990  |
| Total                                                         |           |      | 391163   | 42969  | 80410    | 57970    | 46394    | 20669    | 15766    | 18426    | 21461    | 24919    | 28854    | 33325     | 78233     | 469396 |
|                                                               |           |      |          |        |          |          |          |          |          |          |          |          |          |           | Total     | 469400 |

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Gir West Division, Junagadh