

वन विभाग हरियाणा

कार्यालय : उप वन संरक्षक, यमुनानगर वन मण्डल यमुनानगर,

दूरभाष न० 01732-237821

क्रमांक: 1343

दिनांक: 10-09-2020

सेवा में,

मुख्य वन संरक्षक (एफ०सी०ए०)
हरि० पंचकूला।

विषय:- Diversion of 0.346 Ha of forest land for widening & Strengthening of Radour-Jathlana Road to Mandhar road Km 0.00-1.90 in Distt. Yamuna Nagar. Online Proposal No. FP/HR/Road/42014/2019

सन्दर्भ:- प्रधान मुख्य वन संरक्षक (कैम्पा) हरि० पंचकूला का पत्र क्रमांक प्रशा-डी-तीन-9424/7140-41 दिनांक 18.08.2020

उपरोक्त पत्र के सम्बंध में मांगी गई सूचना बिन्दू वाईज निम्नप्रकार से साथ संलग्न आपकी सेवा में आगामी आवश्यक कार्यवाही हेतु भेजी जाती है।

1- प्रतिपूर्ति पौधारोपण का कार्य प्रस्तावित केस में दी गई सी०ए० साईट पोटली टी०सी० पर करवाया जायेगा जैसा की इस सम्बंध में निम्नहस्ताक्षरी द्वारा आपसे दुरभाष के माध्यम से भी विचार-विमर्श किया गया है।

2- सी०ए० स्कीम में मृदा एवं नमी संरक्षण चार्जिज शामिल करके संशोधित सी०ए० स्कीम आपको साथ संलग्न आगामी आवश्यक कार्यवाही हेतु भेजी जाती है।

संलग्न/उपरोक्त

पृ०क्रमांक

दिनांक

उप वन संरक्षक
यमुनानगर।

एक प्रति मुख्य वन संरक्षक उत्तरी परिमण्डल अम्बाला को सूचनार्थ प्रेषित है।

उप वन संरक्षक
यमुनानगर।

Full Title of the project: Diversion of 0.346 hac. of Forest land for widening & strengthening of Radour-Jathlana Road to Mandhar road Km 0.00-1.90, under forest Division and Diŝtt. YNR. Haryana.

Online Proposal No. FP/HR/Road/42014/2019
Date of Proposal :

CHECK LIST SERIAL NUMBER:-18
"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted
Forest Area =0.346 hac.

Details of degraded forest land/non-forest land where C.A. is to be carried out.

Division: Yamunanagar District : Yamunanagar

Tehsil: Jagadhri

C.A. Site name : **Potli TC**

Area to be Afforested :- 0.692 hac.

a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): **No**

b) If the CA site is other than the land bank, reasons be given:-

In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-

i) Soil type: **Sandy to Sandy Loam**

ii) Topography a. Hilly/Undulating/Plain: **Plain**

b. Slope:-Steep/Medium/Gentle: **Gentle**

iii) Whether the area is bearing any root stock of vegetation:- **No**

Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under ;

1. Schedule of Plantation Programme:-

Detail of year wise break-up of requirements of funds is as under:-

The plantation cost is calculated for Tall Plants norms at 4m x 2.5m spacing at the wage rate of Rs. 347.08 per day as under:-

| Sr. No. | Item of Work | Unit | Qty. | Rate/Unit | Amount |
|---|---|------|------|-----------|----------|
| 1st year expenditure as wage rate Rs. 347.08 per day | | | | | |
| 1 | Jungle clearance. | Ha | 0.5 | 5204.05 | 2602.03 |
| 2 | Kana/ lantana Cutting. | Ha | 0.25 | 8677 | 2169.25 |
| 3 | Dag bailing and alignment. | RKM | 2 | 242.86 | 485.72 |
| 4 | Digging of pits 500x0.6mx0.6mx0.6m. | m3 | 108 | 147.45 | 15924.6 |
| 5 | Purchase of good Soil for filling in pits 500x0.6mx0.6mx0.4m. | m3 | 72 | 400 | 28800.00 |
| 6 | Carriage of Soil by hired tractor upto 5 Km including Loading , unloading . | m3 | 72 | 474.92 | 34194.24 |

| | | | | | |
|----|--|-----|------|-------|------------------|
| 7 | Raising of plants in nursery P.Bag Size (30cmx45cm) : 500+20% extra. | No. | 600 | 97 | 58200 |
| 8 | Loading/ Unloading of plants in tractor/cart | No. | 600 | 2.61 | 1566 |
| 9 | Carriage of plants. | No. | 600 | 21.79 | 13074 |
| 10 | Planting of seedling including 10% replacement. | No. | 550 | 13.89 | 7639.5 |
| 11 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 20 | 10000 |
| 12 | Irrigation eight times. | No. | 4000 | 5.21 | 20840 |
| 13 | Purchase of water | No. | 4000 | 1.27 | 5080 |
| 14 | First weeding & hoeing. | No. | 500 | 6.93 | 3465 |
| 15 | Subsequent weeding & hoeing six times | No. | 3000 | 5.21 | 15630 |
| 16 | Grass cutting from one meter wide strip 5 Times in 500 meter length in per Ha. | m2 | 2500 | 3.47 | 8677 |
| | Total | | | | 228347.34 |
| 17 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 22294.85 |
| 18 | Added contractor profit @ 10% of total | | | | 22834.73 |
| | Net Total | | | | 273476.92 |

2nd year maintainance with 20% Replacement @ Wage rate Rs.382 per day anticipating 10% increase.

| | | | | | |
|----|--|-----|------|-------|-----------------|
| 1 | Raising of plants in nursery (30cmx45cm) : 100+20% extra | No. | 120 | 100 | 12000 |
| 2 | Re-opening of pits 100x0.6mx0.6mx0.5m | m3 | 18 | 76.97 | 1385.46 |
| 3 | Loading and unloading of plants | No. | 100 | 2.89 | 289 |
| 4 | Carriage of plants | No. | 100 | 24.17 | 2417 |
| 5 | Planting of plants | No. | 100 | 15.4 | 1540 |
| 6 | Irrigation five times | No. | 2500 | 5.78 | 14450 |
| 7 | Purchase of water | No. | 2500 | 1.4 | 3500 |
| 8 | Sub. Weeding and hoeing five times | No. | 2500 | 5.78 | 14450 |
| 9 | Grass cutting from one meter wide strip 4 Times in 500 meter length in per Ha. | m2 | 2000 | 3.81 | 7620 |
| 10 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 10 | 5000 |
| | Total | | | | 62651.46 |
| 11 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 8359.89 |
| 12 | Added contractor profit @ 10% of total | | | | 6265.15 |
| | Net Total | | | | 77276.5 |

3rd year maintainance 10% Replacement @ wage rate Rs. 420 per day

| | | | | | |
|---|--|-----|------|-------|-----------------|
| 1 | Raising of plants in nursery (30cmx45cm) : 50+20% extra | | 60 | 110 | 6600 |
| 2 | Re-opening of pits 50x0.6mx0.6mx0.5m | | 9 | 67.9 | 611.1 |
| 3 | Loading and unloading of plants | | 50 | 2.55 | 127.5 |
| 4 | Carriage of plants | | 50 | 21.32 | 1066 |
| 5 | Planting of plants | | 50 | 13.59 | 679.5 |
| 6 | Irrigation four times | No. | 2000 | 5.1 | 10200 |
| 7 | Purchase of water | No. | 2000 | 1.54 | 3080 |
| 8 | Weeding and hoeing four time | No. | 2000 | 5.1 | 10200 |
| 9 | Pruning of 1/3 Lower portion of Plants | No. | 400 | 6.37 | 2548 |
| 10 | Grass cutting from one meter wide strip 2 Times in 500 meter length in per Ha. | m2 | 1000 | 4.19 | 4190 |
| 11 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 10 | 5000 |
| | Total | | | | 44302.1 |
| 12 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 5692.15 |
| 13 | Added contractor profit @ 10% of total | | | | 4430.21 |
| | Net Total | | | | 54424.46 |
| 4th year maintainance 10% Replacement @ wage rate Rs.462 per day | | | | | |
| 1 | Raising of plants in nursery | | 60 | 110 | 6600 |
| 2 | Re-opening of pits 50x0.6mx0.6mx0.5m | | 5.5 | 98.36 | 540.98 |
| 3 | Loading and unloading of plants | | 50 | 3.69 | 184.5 |
| 4 | Carriage of plants | | 50 | 30.88 | 1544 |
| 5 | Planting of plants | | 50 | 19.69 | 984.5 |
| 6 | Irrigation two times | No. | 1000 | 7.39 | 7390 |
| 7 | Purchase of water | No. | 1000 | 1.7 | 1700 |
| 8 | Weeding and hoeing two time | No. | 1000 | 7.39 | 7390 |
| 9 | Pruning of 1/3 Lower portion of Plants | No. | 400 | 7.37 | 2948 |
| 10 | Grass cutting from one meter wide strip 2 Times in 500 meter length in per Ha. | m2 | 1000 | 4.60 | 4600 |
| 11 | Cost of fertilizer, manures, insecticides etc including application. | No. | 500 | 10 | 5000 |
| | Total | | | | 38881.98 |
| 12 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 4948.69 |
| 13 | Added contractor profit @ 10% of total | | | | 3888.2 |
| | Net Total | | | | 47718.87 |
| 5th year maintainance at wage rate Rs.508 per day | | | | | |
| 1 | Irrigation Two times | No. | 1000 | 8.11 | 8110 |
| 2 | Purchase of water | No. | 1000 | 1.87 | 1870 |
| 3 | Pruning of 1/3 Lower portion of Plants | No. | 400 | 8.10 | 3240 |

| | | | | | |
|--|--|-----|-----|------|-----------------|
| 4 | Grass cutting from one meter wide strip 1 Times in 500 meter length in per Ha. | m2 | 500 | 5.06 | 2530 |
| | Total | | | | 15750 |
| 5 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 937.63 |
| 6 | Added contractor profit @ 10% of total | | | | 1575 |
| | Net Total | | | | 18262.63 |
| 6th year maintainance at wage rate Rs.559 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 6500 |
| | Total | | | | 6500 |
| 2 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 1056.25 |
| 3 | Added contractor profit @ 10% of total | | | | 650 |
| | Net Total | | | | 8206.25 |
| 7th year maintainance at wage rate Rs. 615 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 6500 |
| | Total | | | | 6500 |
| 2 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 1056.25 |
| 3 | Added contractor profit @ 10% of total | | | | 650 |
| | Net Total | | | | 8206.25 |
| 8th year maintainance at wage rate Rs. 677 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 6500 |
| | Total | | | | 6500 |
| 2 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 1056.25 |
| 3 | Added contractor profit @ 10% of total | | | | 650 |
| | Net Total | | | | 8206.25 |
| 9th year maintainance at wage rate Rs.745 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 6500 |
| | Total | | | | 6500 |
| 2 | Added EPF @ 13% and ESI @ 3.25%of wages component | | | | 1056.25 |
| 3 | Added contractor profit @ 10% of total | | | | 650 |
| | Net Total | | | | 8206.25 |
| 10th year maintainance at wage rate Rs. 820 per day | | | | | |
| 1 | Misc. Expenditure on Cleaning, Pruning and thinning | L/S | | | 6500 |
| | Total | | | | 6500 |

| | | | | |
|-------------------------------|--|------------------|----------------------------|----------------|
| 2 | Added EPF @ 13% and ESI @ 3.25% of wages component | | | 1056.25 |
| 3 | Added contractor profit @ 10% of total | | | 650 |
| | Net Total | | | 8206.25 |
| Abstract of cost norms | | | | |
| | Year of Plantation | Cost(Rs.) | Cost per plant(Rs.) | |
| 1 | 1st year plantation | 273476.92 | 546.95 | |
| 2 | 2nd year maintainance | 77276.50 | 154.55 | |
| 3 | 3rd year maintainance | 54424.46 | 108.85 | |
| 4 | 4th year maintainance | 47718.87 | 95.44 | |
| 5 | 5th year maintainance | 18262.63 | 36.53 | |
| 6 | 6th year maintainance | 8206.25 | 16.41 | |
| 7 | 7th year maintainance | 8206.25 | 16.41 | |
| 8 | 8th year maintainance | 8206.25 | 16.41 | |
| 9 | 9th year maintainance | 8206.25 | 16.41 | |
| 10 | 10th year maintainance | 8206.25 | 16.41 | |
| | Total | 512190.63 | 1024.38 | |

Area to be Diverted : 0.346 ha.

No. of Trees to-be felled : 0

No. of Plants to be damaged : 0

Area to be planted under normal CA : 0.692 ha. (Double the area to be diverted)

Plants to be Planted under normal CA : 692 Nos.

Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= Nil

Area to planted under Addl. CA : Nil (@ 1000 plants per ha.)

Total No. of plants to be planted (CA+Addl.CA) : 692

Total Area to be planted (CA+Addl. CA) :0.692 ha. Or say 692 Plants

(Succeeding years maintenance has been computed taking into account the anticipated increase in wage rates @ 10% per year.)

| S.No | DESCRIPTION | | RATE | TOTAL AMOUNT (Rs.) |
|------|--|--------------|--------|--------------------|
| A | Compensatory Afforestation Charges | No. of Plant | | |
| | (1) 1 st Year cost of afforestation | 692 | 546.95 | 378489 |
| | (2) 2 nd Year maintenance | 692 | 154.55 | 106949 |
| | (3) 3 rd Year maintenance | 692 | 108.85 | 75324 |
| | (4) 4 th Year maintenance | 692 | 95.44 | 66044 |
| | (5) 5 th Year maintenance | 692 | 36.53 | 25279 |
| | (6) 6 th Year maintenance | 692 | 16.41 | 11356 |

| | | | | |
|---|--|------------|------------------------|-----------------|
| | (7) 7 th Year maintenance | 692 | 16.41 | 11356 |
| | (8) 8 th Year maintenance | 692 | 16.41 | 11356 |
| | (9) 9 th Year maintenance | 692 | 16.41 | 11356 |
| | (10) 10 th Year maintenance | 692 | 16.41 | 11356 |
| | (11) Tree Guard | 692 | 1500 (Per Tree Guard) | 1038000 |
| | Total Charges | | | 1746865 |
| | Supervisory / Overhead / Miscellaneous Charges | | 10% on the CA charges | 174687 |
| | Total (A) C.A. Charge | | | .1921552 |
| | Additional Compensatory Afforestation Charges | | | |
| | (1) 1 st Year cost of afforestation | 0 | 546.95 | 0 |
| | (2) 2 nd Year maintenance | 0 | 154.55 | 0 |
| | (3) 3 rd Year maintenance | 0 | 108.85 | 0 |
| | (4) 4 th Year maintenance | 0 | 95.44 | 0 |
| | (5) 5 th Year maintenance | 0 | 36.53 | 0 |
| | (6) 6 th Year maintenance | 0 | 16.41 | 0 |
| | (7) 7 th Year maintenance | 0 | 16.41 | 0 |
| | (8) 8 th Year maintenance | 0 | 16.41 | 0 |
| | (9) 9 th Year maintenance | 0 | 16.41 | 0 |
| | (10) 10 th Year maintenance | 0 | 16.41 | 0 |
| | (11) Barbed wire fencing charge | RKM 0 | Rs.200000/- Per RKM | 0 |
| | Total (B) Addl. C.A. Charges | | | 0 |
| C | Penal C.A. | | - | 0 |
| | Catchment Area Treatment | | | |
| D | Soil and Moisture Conservation charges | | 30% of the Total CA | 576466 |
| | Total (D) | | | 576466 |
| E | Safety Zone (if required) | | | |
| F | Additional Charges (if required) | Qty | Rate | 0 |
| | Total (F) | | | |

| | | | | |
|--|---|---------------------|-------------------------------|----------------|
| G | Net Present Value of Forest Land to be diverted | | Rs. 887000/- per ha. | 306902 |
| H | Felling charges | Vol. M ³ | Rs.1400 /- per m ³ | 0 |
| | | 0.00 | | |
| Grand Total (A+B+C+D+E+F+G+H) to be deposited in CAMPA Fund | | | | 2804920 |

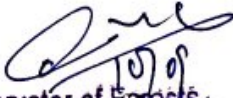
2. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- a) General Details:- Plantation will be done with six stick fencing.
- b) Spacement:- 4 × 2.5 meter
- c) Species:- Neem, Pahari Papri, Shisham, Jamun, Gullar, Arjun
- d) Plantation Method :- Tall Plants Plantation
- e) Soil and Moisture Conservation Works
- f) Protection (Fencing, Watch man, People's Participation etc.):- **Watchman**
- g) Proposed Monitoring Mechanism:- **(M&E),**
- h) Any Other information:- Nil.

Place:

Dated :


 Dy. Conservator of Forests,
 Yamunanagar Forest Division,
 Yamunanagar

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.