Full Title of the Project: Diversion of 33.71 hect. (5.69 hect in Jind Division, 17.79 ha in Hisar Division and 10.23 hect. in Fatehabad Division of Forest land in favour of Executive Engineer, Aadampur W/s Division Hisar for Cons. of Nuclear for supply 180 Cs Water to Nuclear Power Plant at village Gorakhpur on Old abandoned Sirsa Branch from RD 388500 to 424780 falling under Forest Division and District Jind (Haryana).

Proposal No

FP/HR/Canal/152229/2022.

CHECK LIST SERIAL NUMBER:-18

"SCHEME FOR C.A."

Name of the Forest/Reach to be diverted: Diversion of 33.71 hect. (5.69 hect in Jind Division, 17.79 ha In Hisar Division and 10.23 hect. in Fatehabad Division Forest land in favour of Executive Engineer, Addampur W/s Division Hisar for Cons. of Nuclear for supply 180 Cs water to Nuclear Power Plant at village Gorakhpur on Old abandoned Sirsa Branch from RD 388500 to 424780 falling under Forest Division and District Jind (Haryana).

Forest Area = 5.69 hect

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

| and the same | | | 11 IS to be cullica out |
|------------------|--------------------------------------|----------------------------------|------------------------------------|
| Division Jina | District Jind | Tehsil Julana and Uchana | |
| C.A. Site name : | | Terisii Julana and Uchana | Range Jind and Narwana |
| c.A. Site flame | D.J. 1 | Railway Line Km 111 to | 114 L 9 D Cida |
| | D.J. Area to be Afforested :- | Kallway I ing Km 142 to | 114 L&R Side and 148.8 L&R Side |
| a) | Whether the site selecter No): | ed for Compensatory Afforesta | tion is a Land bank (Yes or |
| b) | | | |
| • | In case of non-ferror | an the land bank, reasons be g | iven:- N/A |
| | m ease of non-lotest are | ea identified for CA then what | is the distance of CA |
| | in the adjoining | forest boundary :- | N/A |
| | i) Soil type: | | • |
| | ii) Topography | a. Hilly/Undulating/Plain: | sandy to sandy loam |
| | | b. Slope:-Steep/Medium/G | Plain |
| | iii) Whether the ar | rea is bearing any root stock of | entle: Gentle |

Plantation Model:-

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

Schedule of Plantation Programme:-

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

plantation cost is calculated for Tall Plants @1000 plants/ hect norms at 4m x 2½m spacing at the wage rate 405.11/- per day as under:-

| Year | Rate per Plant |
|---|------------------------|
| 1 st Year cost of afforestation | Rs. 192.87/- Per Plant |
| 2 nd Year maintenance | Rs. 77.48/- Per Plant |
| 3 rd Year maintenance | Rs. 36.60/- Per Plant |
| 4 th Year maintenance | Rs. 12.83/- Per Plant |
| 5 th Year maintenance | Rs. 12.83/- Per Plant |
| 6 th Year maintenance | Rs. 12.83/- Per Plant |
| 7 th Year maintenance | Rs. 12.83/- Per Plant |
| 8 th Year maintenance | Rs. 12.83/- Per Plant |
| 9 th Year maintenance | Rs. 12.83/- Per Plant |
| | Rs. 12.83/- Per Plant |
| 10 th Year maintenance Total | 396.77/- Per Plant |
| To a log / Missellaneous/ Overhead Charges/ | 79.35 |
| Supervisory Charges (20% of CA unious, | 476.12 |

NOTE: Plantation will be done with 400 TP and 600 large Shrubs and/or small trees which are shade philie

Area to be Diverted: 5.69 ha.

No. of Tree to be felled: 1782

No. of Plant to be damaged: 0

Plants to be Planted under Normal CA : 11380 (5.69 x 2 @ 1000 plants per ha.)

Area to be Planted under Normal CA: 11.38 ha. (Double the area to be diverted)

Plant to be planted under Penel CA: 0.00 (@1000 Plant per hact.)

Additional CA is lieu of Plants to be damaged (Double the plants to be

Damaged) =0 (@ 1000 plants per ha.)

Area to Planted under Addl. CA: 0 hect (@ 1000 plants per ha.)

Total No. of Plants to be Planted (CA + Penal CA): 11380

Total Area to be Planted (CA+ Penal.CA) 11.38 (@ 1000 plants per ha.)

| | DESCRIPTION | | RATE | TOTAL AMOUNT (Rs.) |
|---|--|------------------|---|---------------------------------|
| Α | Compensatory Afforestation Charges | No. of Plants | | |
| | (1) 1st Year cost of afforestation | 11380 | Rs. 192.87/- Per Plant | 2194861 |
| | (2) 2 nd Year maintenance | | Rs. 77.48/- Per Plant | 881722 |
| | (3) 3 rd Year maintenance | (4552 TP | Rs. 36.60/- Per Plant | 416508 |
| | (4) 4 th Year maintenance | and 6828 | Rs. 12.83/- Per Plant | 146005 |
| | (5) 5 th Year maintenance | Large Shrubs | Rs. 12.83/- Per Plant | 146005 |
| | (6) 6 th Year maintenance | or small | Rs. 12.83/- Per Plant | 146005 |
| | (7) 7 th Year maintenance | Plants) | Rs. 12.83/- Per Plant | 146005 |
| | (8) 8 th Year maintenance | | Rs. 12.83/- Per Plant | 146005 |
| | (9) 9 th Year maintenance | | Rs. 12.83/- Per Plant | 146005 |
| | (10) 10 th Year maintenance | | Rs. 12.83/- Per Plant | 146005 |
| | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | Total C.A. | 4515126 |
| | Fencing/ Miscellaneous/ Overhead Charges/ Supervisory Charges (20% of CA amount) | | 20% of CA amount/ charges | 903025 |
| | Total (A) C.A. | | | 5418151 |
| В | | | | |
| | Additional Compensatory Afforestation Char | rges/ | | |
| | Additional Compensatory Afforestation Chartell 1st Year cost of afforestation | rges/ | Rs. 192.87/- Per Plant | 0 |
| | | | Rs. 192.87/- Per Plant Rs. 77.48/- Per Plant | 0 0 |
| | (1) 1st Year cost of afforestation | | | |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance | | Rs. 77.48/- Per Plant | 0 |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance (3) 3rd Year maintenance | | Rs. 77.48/- Per Plant Rs. 36.60/- Per Plant | 0 |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance (3) 3rd Year maintenance (4) 4th Year maintenance | | Rs. 77.48/- Per Plant Rs. 36.60/- Per Plant Rs. 12.83/- Per Plant | 0 0 0 |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance (3) 3rd Year maintenance (4) 4th Year maintenance (5) 5th Year maintenance | | Rs. 77.48/- Per Plant Rs. 36.60/- Per Plant Rs. 12.83/- Per Plant Rs. 12.83/- Per Plant | 0 0 0 |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance (3) 3rd Year maintenance (4) 4th Year maintenance (5) 5th Year maintenance (6) 6th Year maintenance | | Rs. 77.48/- Per Plant Rs. 36.60/- Per Plant Rs. 12.83/- Per Plant Rs. 12.83/- Per Plant Rs. 12.83/- Per Plant | 0 0 0 0 0 |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance (3) 3rd Year maintenance (4) 4th Year maintenance (5) 5th Year maintenance (6) 6th Year maintenance (7) 7th Year maintenance (8) 8th Year maintenance (9) 9th Year maintenance | | Rs. 77.48/- Per Plant Rs. 36.60/- Per Plant Rs. 12.83/- Per Plant Rs. 12.83/- Per Plant Rs. 12.83/- Per Plant Rs. 12.83/- Per Plant | 0 0 0 0 0 |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance (3) 3rd Year maintenance (4) 4th Year maintenance (5) 5th Year maintenance (6) 6th Year maintenance (7) 7th Year maintenance (8) 8th Year maintenance (9) 9th Year maintenance (10) 10th Year maintenance | | Rs. 77.48/- Per Plant Rs. 36.60/- Per Plant Rs. 12.83/- Per Plant | 0 0 0 0 0 0 |
| | (1) 1st Year cost of afforestation (2) 2nd Year maintenance (3) 3rd Year maintenance (4) 4th Year maintenance (5) 5th Year maintenance (6) 6th Year maintenance (7) 7th Year maintenance (8) 8th Year maintenance (9) 9th Year maintenance | | Rs. 77.48/- Per Plant Rs. 36.60/- Per Plant Rs. 12.83/- Per Plant | 0 0 0 0 0 0 0 |

| | Penal CA Charges | | | |
|---|--|---------------|-------------------------------|------------|
| | (1) 1 st Year cost of afforestation |) Rc 10 | 92.87/- Per Plant | 0 |
| | (2) 2 nd Year maintenance | | 7.48/- Per Plant | 0 |
| | (3) 3 rd Year maintenance | | 5.60/- Per Plant | 0 |
| | (4) 4 th Year maintenance | | 2.83/- Per Plant | 0 |
| | (5) 5 th Year maintenance | | 2.83/- Per Plant | 0 |
| | (6) 6 th Year maintenance | | 2.83/- Per Plant | 0 |
| | (7) 7 th Year maintenance | | 2.83/- Per Plant | 0 |
| | (8) 8 th Year maintenance | | 2.83/- Per Plant | 0 |
| | (9) 9th Year maintenance | | 2.83/- Per Plant | 0 |
| | (10) 10 th Year maintenance | | 12.83/- Per Plant | 0 |
| | (11) Barbed wire fencing charge= 0 RKM | | 00000/- Per RKM | 0 |
| | Total (B) Addl. C.A. Charges | 113.2 | 000007 1 01 1111111 | 0 |
| | G. | | | |
|) | Catchment Area Treatment | | | |
| | Soil and Moisture Conservation charges | | 0 | 0 |
| | Total (D) | 14 | · x is | |
| - | | | | 0 |
| | Contingency Charges | | | 0 |
| F | Additional Charges (If required) Qty | | Rate | |
| | Survey & Demarcation | | 1. 1 | 0 |
| | Equipment for Silvicultural Operations | ľ | | 0 |
| | Field Petrolling Vehicle (Mahindra Scorpio) | | | 0 |
| | Guard Room | | | 0 |
| | Tractor 1 No. | | | 0 |
| | Trolly & Tanker | | | .0 |
| | Total (F) | | | 0 |
| G | Penalty for violation as provision B(i) of M No. 11-42/2017-FC dt 29-01-2018 with int of violation from to | erest. Period | | <u>@</u> 0 |
| Н | (No. of days=) to Be taken 20 % as Go Less 20 % of NPV | JAC FIOJECE | | 0 |
| 1 | Total NPV+ Interest @12% per annum | | | 0 |
| ١ | Felling charges = 1068.22 m ³ (1782 tr | ees) | Rs.1200 /- per m ³ | 1281864 |
| J | GRAND TOTAL (A+B+C+D+E+F+G+H+I+J) to | o be doposite | d in CAMPA Fund | 6700015 |
| | GRAND TOTAL (A+B+C+D+E+F+G+11+113) | 0 22 appeare | | 0,00013 |

Technical details:-

recal details of Compensatory Afforestation Scheme are as follows: -

a) General Details:-

Plantation will be done with Chain link fencing & Barbed wire fencing.

b) Spacement:-

1x1 meter (1st ROW)

Kaner, Yellow Kaner, Tikolma Bogain bel etc.

c) Species:-Plantation Method

Small Height Plantation

Specing

3x3 meter (2nd ROW) Guddal, bottle Brush. Chakrasia, Kusum, Sahtoot, etc.

Species:-

Medimum Height Plantation

Plantation Method

Specing

4x4 meter (3rd ROW)

Species:d) Plantation Method :- Shisham, Neem, Jamun, Jamova, Bel Pather, Lasora, Arjun, Papri, siris etc.

Pit Planting

e) Soil and Moisture Conservation Works - As per Rule f) Protection (Fencing, Watch man, People's Participation etc.):- Fencing (Chain Link & Barbed Wire)

g) Proposed Monitoring Mechanism:-

by M&E wing.

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

Divisional Forests Officer

Full Title of the Project: Diversion of 33.71 hect. (5.69 hect in Jind Division, 17.79 ha in Hisar Division and 10.23 hect. in Fatehabad Division of Forest land in favour of Executive Engineer, Aadampur W/s Division Hisar for Cons. of Nuclear for supply 180 Cs water to Nuclear Power Plant at village Gorakhpur on Old abandoned Sirsa Branch from RD 388500 to 424780 falling under Forest Division and District Jind (Haryana).

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" AMOUNT OF NET PRESENT VALUE "

| Description | Rate per Hect. | Total Amount |
|---|--------------------|--------------|
| Net Present Value of Forest Land to be diverted 33.71 ha | 1357110/- per hect | 7721956.00 |

Vegetation Density

0.3

ECO Class

III

Trees Effectd

1782 NosTrees (Volume 1068.22 m3) of different

class and different species trees will be effected.

Place: Jind

Divisional

Jind.

Office Seal......

Dated ... 13-06- 2013

PRINCIPAL CHIEF CONSERVATOR OF FORESTS, HARYANA, FOREST DEPARTMENT.

C-18, Van Bhawan, Sector -6, Panchkula Tel/Fax +91 172 2563861, E-mail: cffcpanchkula@gmail. com

No. FCA 396

Date: 15 05 2023

[To be substituted with earlier letter bearing same number and date.]

To

All Divisional Forest Officers (Territorial) Haryana

Subject:- Cost Norms for Compensatory Afforestation under Forest Conservation Act 1980 and CAMPA.

With a view to standardize the rates of Compensatory Afforestation (CA) required to be charged from the user agencies for diversion of forest land for non-forestry purpose under section-2 of the Forest Conservation Act, 1980 it has been decided as under:-

i) In hill regions (Annexure -I)

Abstract of Cost Norms @1000 plants per Ha. (small polypot plants)

| - ABSTRACT OF COST N | ORMS | |
|--|---------------|----------------|
| YEAR OF PLANTATION | Cost (in Rs.) | Cost per plant |
| FIRST YEAR PLANTATION | 169740.54 | 169.74 |
| SECOND YEAR PLANTATION | 36563.48 | 36.56 |
| THIRD YEAR PLANTATION | 20931.96 | 20.93 |
| FOURTH YEAR PLANTATION | 9953.71 | 9.95 |
| FIVE YEAR PLANTATION | 9953.71 | 9.95 |
| SIX YEAR PLANTATION | 9953.71 | 9.95 |
| SEVEN YEAR PLANTATION | 9953.71 | 9.95 |
| EIGHT YEAR PLANTATION | 9953.71 | 9.95 |
| NINE YEAR PLANTATION | 9953.71 | 9.95 |
| TEN YEAR PLANTATION | 9953.71 | 9.95 |
| TOTAL | 296911.93 | 296.91 |
| Supervisory/overhead/Miscellaneous/ fencing charges (20% of CA Amount) | 59382.39 | 59.38 |
| G. TOTAL | 356294.32 | 356.29 |

ii) In Plain regions (Annexure -II)

Abstract of Cost Norms @1000 plants per Ha. (400 TP & 600 15x22 Poly pot plants)

| ABSTRACT O | F COST NORMS | |
|--|---------------|----------------|
| YEAR OF PLANTATION | Cost (In Rs.) | Cost per plant |
| FIRST YEAR PLANTATION | 192869.40 | 192.87 |
| SECOND YEAR PLANTATION | 77480.10 | 77.48 |
| THIRD YEAR PLANTATION | 36597.63 | 36.60 |
| FOURTH YEAR PLANTATION | 12831.83 | 12.83 |
| FIVE YEAR PLANTATION | 12831.83 | 12.83 |
| and the state of t | 12831.83 | 12.83 |
| SIX YEAR PLANTATION SEVEN YEAR PLANTATION | 12831.83 | 12.83 |



| 79353.99 | 79.35 |
|-----------|----------------------|
| | 70.75 |
| 396769.97 | 396.77 |
| 12831.83 | 12.83 |
| 12831.83 | 12.83 |
| 12831.83 | 12.83 |
| | 12831.83 12831.83 |

Note:- Plantation will be done with 400 Tall Plants and 600 Large shrubs and/or small trees which are shade philic.

iii) In Single Ridges (Annexure -III)

| ABSTRACT OF COST | NORMS | |
|---|---------------|-------------------|
| YEAR OF PLANTATION | Cost (in Rs.) | Cost per plant |
| FIRST YEAR PLANTATION | 312262.50 | 312.26 |
| SECOND YEAR MAINTENANCE | 74459.64 | 74.46 |
| THIRD YEAR MAINTENANCE | 61648.14 | 61.65 |
| FIRST YEAR PLANTATION | 30873.28 | 30.87 |
| SECOND YEAR MAINTENANCE | 30873.28 | 30.87 |
| THIRD YEAR MAINTENANCE | 30873.28 | 30.87 |
| FIRST YEAR PLANTATION | 30873.28 | 30.87 |
| SECOND YEAR MAINTENANCE | 30873.28 | 30.87 |
| THIRD YEAR MAINTENANCE | 30873.28 | 30.87 |
| THIRD YEAR MAINTENANCE | 30873.28 | 30.87 |
| TOTAL | 664483.21 | 664.48 |
| Fencing/Miscellaneous/Overhead Charges/ Supervisory Charges (20% of CA Amount) | 132896.64 | 132.90 |
| G, TOTAL | 797379.86 | 797.38 |

Note:- Ridge will be made only to extent of water logged. In area free from water logging the norm will be same as for plain area.

iv) Tall Plantation on Mounds (Annexure -IV)

| ABSTRACT OF COS | Cost (in Rs.) | Cost per plant |
|---|---------------|-------------------|
| | 559866.92 | 559.87 |
| IRST YEAR PLANTATION | 146348.50 | 146.35 |
| ECOND VEAR MAINTENANCE | 117776.02 | 117.78 |
| HIRD YEAR MAINTENANCE | 35901.88 | 35.90 |
| SUDCT VEAR PLANTATION | 35901.88 | 35,90 |
| CECOND YEAR MAINTENANCE | 35901.88 | 35.90 |
| THIRD YEAR MAINTENANCE | 35901.88 | 35.90 |
| TUDOT VEAR PLANTATION | 35901.88 | 35.90 |
| GECOND YEAR MAINTENANCE | 35901.88 | 35.90 |
| WHIRD YEAR MAINTENANCE | 35901.88 | 35.90 |
| THIRD YEAR MAINTENANCE | 1075304.58 | 1075.30 |
| TOTAL | s/ 215060.92 | 215.06 |
| Fencing/Miscellaneous/Overhead Charge Supervisory Charges (20% of CA Amount) G. TOTAL | 1290365.49 | 1290.37 |

Note:- Mounds will be made only to extent of water logged. In area free from water logging, the norm will be same as for plain area.

- These norms have been arrived at the wage rate of Rs. 405.11 /and the wage rate being dynamic, pro-data revisions will be made
 by the Divisional Forest Officers consistent with the prevalent
 wage rate.
- vi) This is a general specification for ensuring transparency and excluding discretion. In case, at the time of plantation, it is felt that additional inputs are needed for success of plantations, additional demand for funds for that area can be placed with due justification and the same can be met from the NPV funds. However, the charges of CA from the User Agency should be made only to the extent of above specification. The rates of additional CA or penal CA, if required to be charged should also follow these norms.
 - 2. The rates of NPV will be determined by MoEF&CC from time to time.

Encl./As above

Principal Chief Conservator of Forests (HoFF) Haryana, Panchkula.

Endst. No.:

Dated:

A copy is forwarded to the following for information and necessary action:-

1. Dy Director General of Forests (Central), IRO, MoEF&CC, Chandigarh.

2. Addl. Chief Secretary to Govt. of Haryana, Environment, Forests & Wildlife Department, Chandigarh.

3. Addl. Principal Chief Conservator of Forests-Cum- Nodal Officer (FC), Haryana, Panchkula.

4. All Chief Conservator of Forests (T), Haryana.

Fncl /Ac above

Principal Chief Conservator of Forests (HoFF)
Haryana, Panchkula.

Norms of Tall plants under Compensatory Afforestation demanded from User Agency in FCA diversion proposals at a wage rate of Rs. 405.11/- per day(in Plain Areas)

| | Il plants under Compensatory Afforestation demand wage rate of Rs. 405.11/- per b No . of plants per H: | a. = 1000 | | | |
|---------|--|---|--------|--|--|
| | | | | 405.11 /- Rate/unit(Rs) | Amount (Rs.) |
| | | Unit | Qty. | Rate/unit(K3) | |
| 11 | tem of Work | | 0.5 | 6076.65 | 3038.33 |
| r Plant | ation | Ha. | 480 | 101.57 | 48753.60 |
| | | No. | 720 | 13.38 | 9633.60 |
| 2 | Jungle Clearance Raising of plants in nursery (30cmX45cm): | No. | 720 | 283.58 | 850.74 |
| 3 | Raising of plants in nursery (15cmX22cm): | RKM | 86.4 | 172.17 | 14875.49 |
| 4 | Dag bailing and alignment | M3 | 54.675 | 141.77 | 7751.27 |
| 5 | Digging of pits (400x0.6mx0.6mx0.6m) Digging of pits (400x0.45mx0.45mx0.45m) Digging of pits (600x0.45mx0.45mx0.45m) | M3 | 34.073 | | 1346.40 |
| 6 | Digging of pits (600x0.45mx0.4 | No. | 440 | 3.06 | |
| | (20X45cm) | 110 | | 0.45 | 297.00 |
| 7 | (30X4Scm) Loading and unloading of plants in Tractor/Cart. | No. | 44 | 25.4 | 11198.00 |
| 8 | (15cmX22cm) | No. | | 25 | 1 4 5 5 0 8 0 1 |
| 9 | Carriage of plants (30X45cm) | No. | 66 | - | |
| 10 | Carriage of plants (15cmX22cm) Carriage of plants (15cmX22cm) Carriage of plants including 10% replacement | | 44 | 16.2 | 2 7136.80 |
| | Diantation of plants including a | No. | + | | 4019.40 |
| 11 | (30)(45cm) Plantation of plants including 10% replacement | No. | 66 | 0 6.0 | 9 4015,40 |
| | Plantation of Planta | 140. | | 0 | .8 1600.00 |
| 12 | (15cmX22cm) Application of fertilizer(One time DAP+ One time | No. | 200 | 51 | 20050 00 |
| 13 | Urea) | No. | 500 | 91 | 08 3232.00 |
| 13 | in fire times | No. | | 0 | 09 3654.00 |
| 15 | the Aliceding and Hoeing (30A43CIII) | No. | 6 | 00 0. | |
| 16 | First Weeding and Hoeing (15cmX22cm) Subsequent weeding and hoeing two times | | | 00 6. | .09 4872.0 |
| | Subsequent weeding and noting | No. | | 00 | 1052.0 |
| 17 | (30X45cm) Subsequent weeding and hoeing two times | No. | 12 | 00 4. | .05 4860.0 |
| 18 | 14.5 V72cm | | _ | | |
| 10 | a watcher (one protecti | on | | | 729 |
| | Cost of Wages of protection watcher (over) watcher for six months for plantation area of 10 h | a.) LS | 122 | - | |
| 19 | watcher for six months to ; | | | | |
| | | | | | 100 |
| 1 | Miscellaneous Expenditure(Urea Dap, tools etc.) | | | | 167530.4 |
| 1 2 | 7 Total | | | - | |
| - | Added EPF@13% | | | | |
| - | Added FSI @3.25% | | | | 13611.8 |
| - | of wages component 50% of the total | | | | 11727.1 |
| 1 | Added Contractor Profit@7 % total | _ | _ | | 192859.4 |
| - | Net Total | | | | |
| | Net Total | | | | 254.0 |
| 2nd | Vear Ple | Ha. | | 0.5 1908 | 2750.7 |
| 2nd | Year Plantation | Ha. | | 96 101 | .57 9750.7 |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) | | | 95 101 144 13 | .57 9750.7 3.38 1926.7 |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) | No. | 1 | 95 101 144 13 7.28 81 | 57 9750.7 3.38 1926.7 03 1400.2 |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6mx | No. No. M3 | 1 | 96 101 144 13 7.28 81 0.93 81 | 57 9750.7 38 1926.7 03 1400.2 03 885.6 |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6m Re-opening of pits 120x0.45mx0.45mx0.45m | No. No. M3 M3 | 1 | 96 101 144 13 7.28 81 0.93 81 88 3 | 57 9750.7 .38 1926.7 03 1400.2 03 885.6 |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6m Re-opening of pits 120x0.45mx0.45mx0.45m Loading and unloading of plants (30x45cm) Loading and unloading of plants (15cmX22cm) | No. No. M3 M3 No. | 11 | 95 101 144 13 7.28 81 0.93 81 88 3 132 0 | 57 9750.7 38 1926.7 03 1400.2 03 885.6 06 269.2 |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6m Re-opening of pits 120x0.45mx0.45mx0.45m Loading and unloading of plants (30x45cm) Carriage of plants (30x45cm) | No. No. M3 M3 No. No. | 1' | 96 101 144 13 7.28 81 0.93 81 88 3 132 0 88 25 | .57 9750.7 .38 1926.7 .03 1400.2 .03 885.6 .06 269.2 .45 59.4 .45 2239.6 |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6m Re-opening of pits 120x0.45mx0.45mx0.45m Loading and unloading of plants (30x45cm) Carriage of plants (30x45cm) Carriage of plants (30x45cm) | No. No. M3 M3 No. | 1' | 96 101 144 13 7.28 81 0.93 81 88 3 132 0 88 25 132 2 88 16 | |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6mx Re-opening of pits 120x0.45mx0.45mx0.45m Loading and unloading of plants (30x45cm) Carriage of plants (30x45cm) Carriage of plants (15cmx22cm) Planting of plants (30x45cm) | No. No. M3 M3 No. No. | 11 | 96 101 144 13 7.28 81 0.93 81 132 0 88 25 132 2 88 16 132 6 | .57 9750.7 .38 1926.7 .03 1400.2 .03 885.6 .06 269.2 .45 59.4 .45 2239.6 .53 333.9 .22 1427.3 .09 803.8 |
| 2nd | Cleaning of weed/bushes between plantation | No. No. M3 M3 No. | 1 2 | 96 101 144 13 7.28 81 9.93 81 132 0 88 25 132 2 88 16 132 6 1000 66 | |
| 2nd | Cleaning of weed/bushes between plantation Cleaning of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6mx0.6m Re-opening of pits 120x0.45mx0.45mx0.45m Loading and unloading of plants (30x45cm) Loading and unloading of plants (15cmx22cm) Carriage of plants (30x45cm) Carriage of plants (15cmx22cm) Planting of plants (30x45cm) Planting of plants (30x45cm) Planting of plants (15cmx22cm) Planting of plants (15cmx22cm) Planting of plants (15cmx22cm) | No. No. M3 M3 No. | 1 2 | 96 101 144 13 7.28 81 9.93 81 132 0 88 25 132 2 88 16 132 6 000 66 250 66 | |
| 2nd | Cleaning of weed/bushes between plantation | No. No. M3 M3 No. | 1 2 | 96 101 144 13 7.28 81 9.93 81 132 0 88 25 132 2 88 16 132 6 1000 66 200 66 | |
| 2nd | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) Raising of plants in Nursery (15cmx22cm) Re-opening of pits 80x0.6mx0.6mx0.6mx0.6m Re-opening of pits 120x0.45mx0.45mx0.45m Loading and unloading of plants (30x45cm) Loading and unloading of plants (15cmx22cm) Carriage of plants (30x45cm) Carriage of plants (15cmx22cm) Planting of plants (30x45cm) Planting of plants (15cmx22cm) Irrigation four times by hired tractor Weeding and Hoeing Threa times (30x45cm) | No. No. M3 M3 No. | 1 2 | 96 101 144 13 7.28 81 9.93 81 132 0 88 25 132 2 88 16 132 6 000 66 250 66 | |
| 2nd | Cleaning of weed/bushes between plantation | No. No. No. M3 M3 No. | 1 2 | 96 101 144 13 7.28 81 9.93 81 132 0 88 25 132 2 88 16 132 6 000 66 250 66 | |
| 2nd | Cleaning of weed/bushes between plantation | No. No. M3 M3 No. | 1 2 | 96 101 144 13 7.28 81 9.93 81 132 0 88 25 132 2 88 16 132 6 000 66 250 66 | |
| 2nd | Cleaning of weed/bushes between plantation | No. No. M3 M3 No. | 1 2 | 96 101 144 13 7.28 81 9.93 81 132 0 88 25 132 2 88 16 132 6 000 66 250 66 | |



| | Added EPF@13% | | | | |
|------------|---|------------|--------|---------|--|
| A 14 | Added ESI @3.25% | | | | 5468.19 |
| C | of wages component 50% of the total | | | | 4711.06 |
| / | Added Contractor Profit@7 % total | | | | 77480.10 |
| 1 | Net Total | | | | 954.07 |
| Year Plan | ntation howen plantation | На. | 0.5 | 1908.14 | 4875.36 |
| | Cleaning of weed/bushes between plantation Raising of plants in Nursery (30cmx45cm) | No. | 48 | 101.57 | 963.36 |
| 2 | Raising of plants in Nursery (15cmx22cm) Raising of plants in Nursery (15cmx22cm) | No. | 72 | 81.03 | 295.35 |
| | Re-opening of pits 40x.60 mx.60mx.60m | M3 | 3.645 | 81.03 | 443.03 |
| 3 | Re-opening of pits 40x.45 mx.45mx.45m | M3 | 5.4675 | 3.06 | 134.64 |
| | I alanding of plants (30x43011) | No. | 66 | 0.45 | 29.70 |
| 4 | Loading and unloading of plants (15cmX22cm) | No. | 44 | 25,44 | 1119.36 |
| | Carriage of plants (30X45cm) | No. | 66 | 2.53 | 166.98 |
| 5 | Carriage of plants (15cmX22cm) | No. | 44 | 16.22 | 713.68 |
| - | Planting of plants (30X45cm) | No. | 66 | 6.09 | 401.94 |
| 6 | Planting of plants (15cmX22cm) | No. | 2000 | 6.09 | 12180.00 |
| | Irrigation two times | No. | 400 | 5.00 | 2436.00 |
| 7 | Weeding and Hoelng (30X45cm) | No. | 600 | 1 | |
| 8 | Weeding and Hoeing (15cmX22cm) | No. | - 600 | - | 1000 |
| | | LS | | | |
| | of protection watcher (une protection) | | | | |
| | watcher for three months for plantation area of 10 | LS | | | 3646 |
| 10 | ha.) | | | | |
| | | | | | 31789.48 |
| | Total | | | | |
| | Added EPF@13% | | | - | |
| | Added ESI @3.25% | | | | 2582.8 |
| | of wages component 50% of the total | | | | 2225.2 |
| . X | Added Contractor Profit@7 % total | | | | 36597.6 |
| let. was 1 | Net Total | | | | 30397.0 |
| | watcher for three months for plantation area of 10 ha.) | | | | 0 50 |
| | - deline to the second | 1 13 | 1 | | 0 50 |
| | 2 Cleaning , pruning, Spacing and thinning | LS | - | | 0 30 |
| | 3 Misscellaneous Expenditure | LS | | | |
| | | | | | 25 |
| | 3 Misscellaneous Expenditure Total Added EPF@13% | | | | 25 |
| | 3 Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% | | | | 25 |
| | Added EPF@13% Added ESI @3.25% of wages component 50% of the total | | | | 25 |
| | 3 Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total | | | | 905 780 |
| | Added EPF@13% Added ESI @3.25% of wages component 50% of the total | | | | 25 111 905 |
| 5th Yea | 3 Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total | LS | | | 905 780 |
| 5th Yea | 3 Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ar Plantation watcher for three months for plantation area of 10 ha.) | LS On On O | | | 905 780 12833 |
| 5th Yea | 3 Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ar Plantation watcher for three months for plantation area of 10 | on) | | | 905 780 12833 |
| 5th Yea | 3 Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ar Plantation watcher for three months for plantation area of 10 ha.) | LS On On O | | | 905 780 12833 |
| 5th Yea | Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total | on) | | | 905 780 12833 |
| 5th Yes | Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ar Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% | on) | | | 905 780 12833 |
| 5th Yes | Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ar Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% | on) | | | 905 780 12833 |
| 5th Yes | Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Ar Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total | on) | | | 905 780 12833 |
| 5th Yea | Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total | on) | | | 25 1113 905 780 12833 0 5 2 113 |
| | Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total | on) | | | 905 780 12833 |
| | Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation So of protection watcher (one protection watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Net Total Rear Plantation | on D LS | | | 25 1113 905 780 12833 0 5 2 113 |
| | Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ear Plantation Cost of Wages of protection watcher (one protect | on D LS LS | | | 25 1113 905 780 12833 0 5 2 113 |
| | 3 Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total Plantation Cost of Wages of protection watcher (one protection watcher for three months for plantation area of | on D LS LS | | | 25 1113 905 780 12833 0 5 2 113 |
| | Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ear Plantation Cost of Wages of protection watcher (one protect watcher for three months for plantation area of 1 ha.) | on D LS LS | | | 905 780 12833 0 5 2 13 |
| | Misscellaneous Expenditure Total Added EPF@13% Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ar Plantation Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ear Plantation Cost of Wages of protection watcher (one protect watcher for three months for plantation area of 1a.) 2 Cleaning , pruning, Spacing and thinning | on D LS LS | | | 905 780 12833 0 5 13 90 78 1283 |
| | Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Cleaning , pruning, Spacing and thinning Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ear Plantation Cost of Wages of protection watcher (one protect watcher for three months for plantation area of ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure | on D LS LS | | | 905 780 12833 0 5 12833 0 78 1283 |
| | Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ear Plantation Cost of Wages of protection watcher (one protect watcher for three months for plantation area of 1ha.) 2 Cleaning , pruning , Spacing and thinning Misscellaneous Expenditure Total Misscellaneous Expenditure Total | on D LS LS | | | 905 780 12833 0 5 12833 0 78 1283 |
| | Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Watcher for three months for plantation area of 10 ha.) Cleaning , pruning, Spacing and thinning Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ear Plantation Cost of Wages of protection watcher (one protect watcher for three months for plantation area of 1 ha.) Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added EPF@13% | on D LS LS | | | 905 780 12833 0 5 12833 0 78 1283 |
| | Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Plantation Plantation Cleaning , pruning, Spacing and thinning Misscellaneous Expenditure Total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added ESI @3.25% of wages component 50% of the total Added Contractor Profit@7 % total Net Total ear Plantation Cost of Wages of protection watcher (one protect watcher for three months for plantation area of 1ha.) 2 Cleaning , pruning , Spacing and thinning Misscellaneous Expenditure Total Misscellaneous Expenditure Total | on D LS LS | | | 905 780 12833 0 5 12833 0 78 1283 |

0 / 0

| 4.4 | Net Total | | | 12831.83 |
|------------------|---|---------------|----------------|----------|
| h Year Plant | ation | | | |
| | ost of Wages of protection watcher (one protection | | | |
| w | vatcher for three months for plantation area of 10 | | | 3646 |
| 1 h | a.) | | 0 | 5000 |
| 2 0 | leaning , pruning, Spacing and thinning | LS 1 | | 2500 |
| 3 1 | Aisscellaneous Expenditure | | | |
| | Total | | | 11146 |
| | Added EPF@13% | | | |
| | Added ESI @3.25% | | | 00F 64 |
| | of wages component 50% of the total | | | 905.61 |
| | Added Contractor Profit@7 % total | | | 780.22 |
| | Net Total | | | 12831.83 |
| | | 70 m. 1911 | | |
| th Year Plan | and Wages of protection watcher (one protection) | | | |
| | watcher for three months for plantation area of 10 | | | 3646 |
| 4 | na.) | | | 5000 |
| | Cleaning , pruning and Spacing | LS | 0 | |
| 2/1 | Misscellaneous Expenditure | | | 2500 |
| - 3/1 | Total | | | 1114 |
| | | | | |
| P | Added EPF@13% | | | |
| TOP LOS SERVICES | 3.25% | - | | 905.6 |
| | of wages component 50% of the total | | | 780.2 |
| A | Added Contractor Profit@7 % total | | | 12831.8 |
| | Net Total | <u> </u> | | |
| th Year Plan | tation | | | |
| To | Cost of Wages of protection watcher (one protection | | | |
| ľv | watcher for three months for plantation area of 10 | l - | | 364 |
| | na.) | 15 | ol | 500 |
| | Cleaning , pruning, Spacing and thinning | LS | | 250 |
| 3 1 | Misscellaneous Expenditure | | | 1114 |
| | Total | | | |
| | Added EPF@13% | | | |
| | Added ESI @3.25% | | | |
| | of wages component 50% of the total | | | 905.6 |
| | Added Contractor Profit@7 % total | | | 780.2 |
| | Net Total | | | 12831.8 |
| | | | | |
| 10th Year Pla | Cost of Wages of protection watcher (one protection | | | |
| | watcher for three months for plantation area of 10 | | | |
| | ha.) | | | 364 |
| | Cleaning , pruning, Spacing and thinning | LS | 0 | 500 |
| | | | | 250 |
| 3 | Misscellaneous Expenditure | | | 1114 |
| - | Total | - | | |
| - | Added EPF@13% | | | |
| | . 59 33.25% | | | OOF A |
| | of wages component 50% of the total | | | 905.0 |
| | Added Contractor Profit@7 % total | | | 780.3 |
| | Net Total | | | 12831.8 |
| | ABSTRACT OF COST | NORMS | | |
| | YEAR OF PLANTATION | Cost (in Rs.) | Cost per plant | |
| | FIRST YEAR PLANTATION | 192869.40 | 192.87 | |
| | SECOND YEAR PLANTATION | 77480.10 | 77.48 | |
| | THIRD YEAR PLANTATION | 36597.63 | 36.60 | |
| | | 12831.83 | 12.83 | |
| - | FOURTH YEAR PLANTATION | | 12.83 | |
| | FIVE YEAR PLANTATION | 12831.83 | | |
| | SIX YEAR PLANTATION | 12831.83 | 12.83 | |
| | SEVEN YEAR PLANTATION | 12831.83 | 12.83 | |
| - | EIGHT YEAR PLANTATION | 12831.83 | 12.83 | |
| | NINE YEAR PLANTATION | 12831.83 | 12.83 | |
| | TEN YEAR PLANTATION | 12831.83 | 12.83 | |
| | TOTAL | 396769.97 | 396.77 | |

