

Diversion of 0.0137 ha of forest land for approach road to proposed retail outlet (IOCL) at Batala (WML) on batala-Qadian road, Tehsil Batala District Gurdaspur.(Proposal No FP/PB/Approach/44853/2020).

File No. : \_\_\_\_\_

Date of Proposal : \_\_\_\_\_

Wage Rate = 368

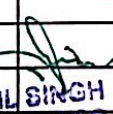
| Plantation Model For Standard Plantstion Under Compensatory Afforestation Plants |                                                                     |                 |              |                   |                  |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------|-----------------|--------------|-------------------|------------------|
| Per Hectare: 1000 Nos.                                                           |                                                                     |                 |              |                   |                  |
|                                                                                  | Name of work                                                        | Unit            | Qty          | Unit Cost(in rs.) | Total Amt        |
|                                                                                  | <b>Nursery</b>                                                      |                 |              |                   |                  |
|                                                                                  | Cost of raising plants                                              | No.             | 1100         | 20.00             | 22000.00         |
| <b>A</b>                                                                         | <b>Soil Works</b>                                                   |                 |              |                   |                  |
| 1                                                                                | Site/jungle clearance(25%)                                          | Ha              | 0.5          | 6021.75902        | 3010.88          |
| 2                                                                                | Alignment & Dagbailing                                              | Ha              | 1            | 1104.00           | 1104.00          |
| 3                                                                                | Earth Work-Digging of Pits Digging of pits 1000x0.5mx0.5mx0.4m      | 1M <sup>3</sup> | 100          | 113.743415        | 11374.34         |
| 4                                                                                | Kana Stubbing 25%                                                   | Ha              | 0.25         | 30113.18          | 7528.30          |
| <b>B</b>                                                                         | <b>Plantation Work</b>                                              |                 |              |                   |                  |
| 1                                                                                | a) Refilling of pits1000x 0.5mx 0.5mx 0.3m                          | 1M3             | 75           | 3082.00           | 2311.50          |
| 2                                                                                | Loading & unloading of Plants (1000+10% wastage=1100)               | 1No.            | 1100         | 0.46              | 506.00           |
| 3                                                                                | Carriage of Plants ( 1000+10% Wastage =1100avg.distance upto 10Km.) | 100 No          | 1100         | 205.00            | 2255.00          |
| 4                                                                                | a)Carriage from site to site                                        | 100 No          | 1000         | 23.00             | 230.00           |
| 5                                                                                | b)Planting of plants(1000 no include 10% replacement )              | 100 No          | 1000         | 400.00            | 4000.00          |
| 6                                                                                | Spot Irrigation(1000 Plants)                                        | 100 No          | 1000         | 331.00            | 3310.00          |
| 7                                                                                | Application of Insecticide(2times)                                  | 100 No          | 1000         | 46.00             | 460.00           |
| 8                                                                                | Application of Fertilizers(2times)                                  | 100 No          | 1000         | 46.00             | 460.00           |
| 9                                                                                | Weeding & Hoeing 3 times                                            | 100 No          | 3000         | 400.59            | 12017.70         |
| 10                                                                               | Hand Watering(12 time)                                              | 100 No          | 12000        | 331.00            | 39720.00         |
| 11                                                                               | Replanting of Plants 10%                                            | No.             | 100          | 4.01              | 401.00           |
| 12                                                                               | Rejungle Clearance(2times)                                          | Per Ha.         | 1            | 2668.36           | 2668.36          |
| 13                                                                               | Covering (25% Plants) of plants                                     | 1 No            | 250          | 3.32              | 830.00           |
| 14                                                                               | Uncovering of plants                                                | 100 No          | 250          | 34.20             | 85.50            |
| 15                                                                               | restubbing of Kana(1times)                                          | Ha              | 0.25         | 12282.00          | 3070.50          |
| 16                                                                               | Laying out & FIXING OF Barbed Wire                                  | Meter           | 500          | 49.14             | 24570.00         |
| 17                                                                               | Watch & Ward for every 10 Ha.(7months)                              | Man year        | 1Man 7months | 9569.30           | 6698.51          |
| 18                                                                               | <b>Material</b>                                                     |                 |              |                   |                  |
|                                                                                  | a) insectiside/Fertilizers                                          | L/s             |              |                   | 5000.00          |
|                                                                                  | b)POL                                                               | L/s             |              |                   | 5000.00          |
|                                                                                  | c)Barbed Wire&fencing                                               | L/s             |              |                   | 50000.00         |
|                                                                                  |                                                                     |                 |              | <b>Sub Total</b>  | <b>208611.59</b> |
|                                                                                  | <b>1st Year Maintenance</b>                                         |                 |              |                   |                  |

Gurdaspur Forest Division

Gurdaspur



|    |                                                                   |                 |              |                  |                 |
|----|-------------------------------------------------------------------|-----------------|--------------|------------------|-----------------|
| 1  | Cost of raising plants for 30% replacement                        | 1No.            | 300          | 20               | 6000.00         |
| 2  | Reopening of pits 300x0.50x0.50x0.40                              | 1m <sup>3</sup> | 30           | 66.91            | 2007.30         |
| 3  | Refilling of pits with earth 300x0.50x0.50x0.40                   | 1m <sup>3</sup> | 30           | 30.82            | 924.60          |
| 4  | Loading & unloading of Plants                                     | 1NO.            | 300          | 0.46             | 138.00          |
| 5  | Carriage of Plants ( 300+10% Wastage =330avg.distance upto 10Km.) | 100 No          | 330          | 205.00           | 676.50          |
| 6  | Spreading of plants pits to pits                                  | 100 No          | 300          | 23.00            | 69.00           |
| 7  | Replanting of Tall Plants                                         | 100 No          | 300          | 400.00           | 1200.00         |
| 8  | Spot Irrigation                                                   | 100 No          | 300          | 331.00           | 993.00          |
| 9  | Weeding & Hoeing thrice                                           | 100 No          | 3000         | 400.59           | 12017.70        |
| 10 | App of Fertilizers(2times)                                        | 100 No          | 2000         | 46.00            | 920.00          |
| 11 | Application of Insecticide(2times)                                | 100 No          | 2000         | 46.00            | 920.00          |
| 12 | Hand Watering 6 times                                             | 100 No          | 6000         | 331.00           | 19860.00        |
| 13 | Rejungle Clearance(2times)                                        | Per Ha.         | 1            | 2668.00          | 2668.00         |
| 14 | restubbing of Kana                                                | Per Ha.         | 0.25         | 30113.18         | 7528.30         |
| 15 | Watch & Ward for every 10 Ha.(10months)                           | Man year        | 1/10Man yr.  | 9569.30          | 9569.30         |
| 16 | Repairing of Barbed Wire                                          | L/s             |              |                  | 5000.00         |
| 17 | Pruning of Plants 75%                                             | No.             | 750          | 3.35             | 2512.50         |
| 17 | POL & repair of machinery                                         | L/s             |              |                  | 5000.00         |
| 18 | Material and supply                                               | L/s             |              |                  | 5000.00         |
|    |                                                                   |                 |              | <b>Sub Total</b> | <b>83004.20</b> |
|    | <b>2nd Year Maintenance</b>                                       |                 |              |                  |                 |
| 1  | Cost of raising plants for 20% replacement                        | No.             | 200.00       | 20.00            | 4000.00         |
| 2  | Reopening of pits 200x0.50x0.50x0.40                              | 1m <sup>3</sup> | 20.00        | 66.91            | 1338.20         |
| 3  | Refilling of pits with earth 200x0.50x0.50x0.40                   | 1m <sup>3</sup> | 20.00        | 30.82            | 616.40          |
| 4  | Loading & unloading of Plants                                     | 1NO.            | 300          | 0.46             | 138.00          |
| 5  | Carriage of Plants 210 avg.distance upto 10Km.)                   | 100 No          | 210.00       | 205.00           | 430.50          |
| 6  | Spreading of plants pits to pits                                  | 100 No          | 200.00       | 23.00            | 46.00           |
| 7  | Replanting to Plants                                              | 100 No          | 200.00       | 401.00           | 802.00          |
| 8  | Spot Irrigation                                                   | 100 No          | 200.00       | 331.00           | 662.00          |
| 9  | Weeding & Hoeing twice                                            | 100 No          | 2000.00      | 400.59           | 8011.80         |
| 10 | Hand Water 5 times                                                | 100 No          | 5000.00      | 331.00           | 16550.00        |
| 11 | Rejungle Clearance(2times)                                        | Per Ha.         | 1.00         | 2668.00          | 2668.00         |
| 12 | pruning to plants 85%                                             | 100 No.         | 400.00       | 335.00           | 1340.00         |
| 13 | Watch & Ward for every 10 Ha.                                     | Per Ha.         | 1/10 Man yr. | 9569.30          | 9569.30         |
| 14 | Repairing of Barbed Wire                                          | L/s             |              |                  | 5000.00         |
| 15 | POL & repair of machinery                                         | L/s             |              |                  | 5000.00         |
| 16 | Material and supply                                               | L/s             |              |                  | 5000.00         |
|    |                                                                   |                 |              | <b>Sub Total</b> | <b>61172.20</b> |
|    | <b>3rd Year Maintenance</b>                                       |                 |              |                  |                 |

  
**JARNAIL SINGH**  
 PFS  
 Divisional Forest Officer  
 Gurdaspur Forest Division  
 Gurdaspur



|    |                                                               |                 |              |                  |                 |
|----|---------------------------------------------------------------|-----------------|--------------|------------------|-----------------|
| 1  | Cost of raising plants for 15% replacement                    | No.             | 150.00       | 20.00            | 3000.00         |
| 2  | Reopening of pits 150x0.60x0.06x0.40                          | 1m <sup>3</sup> | 21.60        | 66.91            | 1445.26         |
| 3  | Refilling of pits with earth in other soil 150x0.60x0.60x0.40 | 1m <sup>3</sup> | 21.60        | 30.82            | 665.71          |
| 4  | Loading & unloading of Plants                                 | 1NO.            | 150.00       | 0.46             | 69.00           |
| 5  | Carriage of Plants 170 avg.distance upto 10Km.)               | 100 No          | 170.00       | 205.00           | 348.50          |
| 6  | Spreading of plants pits to pits                              | 100 No          | 150.00       | 23.00            | 34.50           |
| 7  | Replanting to Plants                                          | 100 No          | 150.00       | 401.00           | 601.50          |
| 8  | Spot Irrigation                                               | 100 No          | 150.00       | 331.00           | 496.50          |
| 9  | Weeding & Hoeing twice                                        | 100 No          | 2000.00      | 401.00           | 8020.00         |
| 10 | Hand Watering 5times                                          | 100 No          | 5000.00      | 331.00           | 16550.00        |
| 11 | Rejungle Clearance(2times)                                    | Per Ha.         | 1.00         | 2668.00          | 2668.00         |
| 12 | pruning to plants 50%                                         | No.             | 500.00       | 3.35             | 1675.00         |
| 13 | Watichin & Word for every 10 Ha.                              | Per Ha.         | 1/10 Man yr. | 9569.30          | 9569.30         |
| 14 | Repairing of Barbed Wire                                      | L/s             |              |                  | 5000.00         |
| 15 | POL &machinary                                                | L/s             |              |                  | 5000.00         |
| 16 | Material and supply                                           | L/s             |              |                  | 5000.00         |
|    |                                                               |                 |              | <b>Sub Total</b> | <b>60143.27</b> |
|    | <b>4th Year Maintenance</b>                                   |                 |              |                  |                 |
| 1  | Cost of raising plants for 5% replacement                     | No.             | 50.00        | 20.00            | 1000.00         |
| 2  | Reopening of pits 50x0.50x0.50x0.40                           | 1m <sup>3</sup> | 5.00         | 66.91            | 334.55          |
| 3  | Refilling of pits with earth in other soil 50x0.50x0.50x0.30  | 1m <sup>3</sup> | 5.00         | 30.82            | 154.10          |
| 4  | Loading & unloading of Plants                                 | 1NO.            | 50.00        | 0.46             | 23.00           |
| 5  | Carriage of Plants 25avg.distance upto 10Km.)                 | 100 No          | 50.00        | 205.00           | 102.50          |
| 6  | Spreading of plants pits to pits                              | 100 No          | 50.00        | 23.00            | 11.50           |
| 7  | Replanting to Plants                                          | 100 No          | 50.00        | 401.00           | 200.50          |
| 8  | Spot Irrigation                                               | 100 No          | 50.00        | 331.00           | 165.50          |
| 9  | Weeding & Hoeing twice                                        | 100 No          | 2000.00      | 401.00           | 8020.00         |
| 10 | Hand Watering 4times                                          | 100 No          | 4000.00      | 331.00           | 13240.00        |
| 11 | pruning to plants 30%                                         | 100no           | 300.00       | 335.00           | 1005.00         |
| 12 | Watch & Ward for every 10 Ha.                                 | man year        | 1/10 Man yr. | 9569.30          | 9569.30         |
| 13 | Repairing of Barbed Wire                                      | L/s             |              |                  | 5000.00         |
| 14 | POL &machinary                                                | L/s             |              |                  | 5000.00         |
| 15 | Material and supply                                           | L/s             |              |                  | 5000.00         |
|    |                                                               |                 |              | <b>Sub Total</b> | <b>48825.95</b> |
|    | <b>5th Year Maintenance</b>                                   |                 |              |                  |                 |
| 1  | Watch & Ward for every 10 Ha.(10 Months)                      | Man year        | 1/10 Man yr. | 9569.30          | 9569.30         |
|    |                                                               |                 |              | <b>Sub Total</b> | <b>9569.30</b>  |
|    | <b>6th Year Maintenance</b>                                   |                 |              |                  |                 |

  
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|    |                                                                                               |          |              |                  |                  |
|----|-----------------------------------------------------------------------------------------------|----------|--------------|------------------|------------------|
| 1  | Watch & Ward for every 10 Ha.(10 Months)                                                      | Man year | 1/10 Man yr. | 9569.30          | 9569.30          |
|    |                                                                                               |          |              | <b>Sub Total</b> | <b>9569.30</b>   |
|    | <b>7th Year Maintenance</b>                                                                   |          |              |                  |                  |
| 1  | Watch & Ward for every 10 Ha.(10 Months)                                                      | Man year | 1/10 Man yr. | 9569.30          | 9569.30          |
|    |                                                                                               |          |              | <b>Sub Total</b> | <b>9569.30</b>   |
|    | <b>8th Year Maintenance</b>                                                                   |          |              |                  |                  |
| 1  | Watch & Ward for every 10 Ha.(10 Months)                                                      | Man year | 1/10 Man yr. | 9569.30          | 9569.30          |
|    |                                                                                               |          |              | <b>Sub Total</b> | <b>9569.30</b>   |
|    | <b>9th Year Maintenance</b>                                                                   |          |              |                  |                  |
| 1  | Watch & Ward for every 10 Ha.(10 Months)                                                      | Man year | 1/10 Man yr. | 9569.30          | 9569.30          |
|    |                                                                                               |          |              | <b>Sub Total</b> | <b>9569.30</b>   |
|    | <b>10th Year Maintenance</b>                                                                  |          |              |                  |                  |
| 1  | Watch & Ward for every 10 Ha.(10 Months)                                                      | Man year | 1/10 Man yr. | 9569.30          | 9569.30          |
|    |                                                                                               |          |              | <b>Sub Total</b> | <b>9569.30</b>   |
|    | <b>Total</b>                                                                                  |          |              |                  | <b>519173.00</b> |
|    | Over head expenses 5%                                                                         |          |              |                  | 25958.65         |
|    | Enhancement due to wage escalation@20%                                                        |          |              |                  | 103834.60        |
|    | <b>G.Toatal</b>                                                                               |          |              |                  | <b>648966.25</b> |
|    | <b>or say</b>                                                                                 |          |              |                  | <b>648966.25</b> |
| a) | <b>Cost of Plantation</b>                                                                     |          |              |                  |                  |
|    | Cost of Plantation in 1 Hect. Area (1000 Plants)+                                             |          |              |                  | <b>648966.25</b> |
|    | Cost of plantation for 0.100 ha.                                                              |          |              |                  | 64896.63         |
|    | Supervision charges 10%                                                                       |          |              |                  | 6489.66          |
|    |                                                                                               |          | <b>Total</b> |                  | <b>71386.29</b>  |
|    | <b>Entry point activity10%</b>                                                                |          |              |                  | <b>7139.00</b>   |
|    | <b>Penal CA</b>                                                                               |          |              |                  |                  |
| b) | <b>Cost of Plantation (Penal CA)</b>                                                          |          |              |                  |                  |
|    | Cost of Plantation in 1 Hect. Area (1000 Plants)+                                             |          |              |                  | <b>648966.25</b> |
|    | Cost of plantation for 0.0137 x 10 = 0.137ha.                                                 |          |              |                  | 88908.38         |
|    | Supervision charges 10%                                                                       |          |              |                  | 8890.84          |
|    |                                                                                               |          | <b>Total</b> |                  | <b>97799.21</b>  |
| c) | Net present value of 0.0137 ha as fixed by Govt. for open area diverted @ Rs.6.26 lac per ha. |          |              | Rs.              | <b>8576.00</b>   |
|    | Penalty of Violation 5 years                                                                  |          |              |                  | <b>42880.00</b>  |
|    | Interest 12% per year of violation                                                            |          |              |                  | 5145.60          |
|    | interest for 8 year                                                                           |          |              |                  | <b>41164.80</b>  |
|    |                                                                                               |          | <b>Total</b> |                  | <b>268945.30</b> |

  
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