

Full Title of the Projects:- Diversion of 0.011574 ha of forest land for construction of approach access to Ajuba Marriage Palace of M/s Ajuba Hotels & Residency pvt.ltd. Situated at village Haji Majra at Patiala-Sangrur road KM 62 to 63 L/s Tehsil and Distt : Patiala, under forest division Patiala, Punjab.  
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| Wage Rate : 442.95                                                        |                                                                       |         |       |                    |         |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------|---------|-------|--------------------|---------|
| Plantation Model For Standard Plantation under Compensatory Afforestation |                                                                       |         |       |                    |         |
| Plants Per Hectare : 1000 Nos.                                            |                                                                       |         |       |                    |         |
| Sr. No.                                                                   | Name of Work                                                          | Unit    | Qty.  | Unit Cost (in Rs.) | Amount  |
| <b>Nursery</b>                                                            |                                                                       |         |       |                    |         |
|                                                                           | Nursery cost of raising plants                                        | 1100    | 1100  | 26.95              | 29713.7 |
| <b>A</b>                                                                  | <b>Soil Work</b>                                                      |         |       |                    |         |
| 1                                                                         | Site / Jungle Clearance (50%)                                         | 1 Ha.   | 0.5   | 7248.2             | 3624.1  |
| 2                                                                         | Alignment & Dagbaling                                                 | 1 Ha.   | 1     | 1328.90            | 1328.9  |
| 3                                                                         | Earth works in Digging of Pits 1000 x 0.5 m x 0.5 m x 0.4 m           | 1 M3    | 100   | 136.89             | 13690.4 |
| 5                                                                         | Kana Stubbing 25%                                                     | 1 Ha.   | 0.25  | 36240.8            | 9060.2  |
| <b>B</b>                                                                  | <b>Plantation Work</b>                                                |         |       |                    |         |
| 1                                                                         | Refilling of Pits 1000x0.5mx0.5mx0.3                                  | 100 cum | 75    | 3709.68            | 2782.3  |
| 2                                                                         | Loading & Unloading of Plants (1000+10% Wastage=1100)                 | 100 No. | 1100  | 742.803            | 8170.2  |
| 3                                                                         | Carriage of Plants (1000+10% wastage =1100 avg. distance upto 10 km.) | 100 No. | 1100  | 265.734            | 2923.4  |
| 4                                                                         | i) Carriage from site to site                                         | 100 No. | 1000  | 177.156            | 1771.8  |
|                                                                           | ii) Planting of Plants (1000 No. including 10% replacement)           | 100 No. | 1000  | 1328.91            | 13288.5 |
| 5                                                                         | Spot Irrigation (1000 Plants)                                         | 100 No. | 1000  | 276.806            | 2768.4  |
| 6                                                                         | Application of Insecticide (2 Times)                                  | 100 No. | 2000  | 55.3612            | 1107.3  |
| 7                                                                         | Application of Fertilizers (2 Times)                                  | 100 No. | 2000  | 55.3612            | 1107.3  |
| 8                                                                         | Weeding & Hoeing 3 Times                                              | 100 No. | 3000  | 482.846            | 14484.4 |
| 9                                                                         | Hand Watering (12 Times)                                              | 100 No. | 12000 | 276.806            | 33221.3 |
| 10                                                                        | Replanting of Plants 10%                                              | 100 No. | 100   | 782.038            | 782.0   |
| 11                                                                        | Rejungle Clearance (2 Times) 50%                                      | Per Ha. | 1     | 3211.43            | 3211.4  |
| 12                                                                        | Covering (25% plants) of plants                                       | 100 No. | 250   | 398.601            | 996.6   |

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|    |                                                                            |          |                  |          |                 |
|----|----------------------------------------------------------------------------|----------|------------------|----------|-----------------|
| 13 | Uncovering of plants                                                       | 100 No.  | 250              | 44.289   | 110.7           |
| 14 | Restubbing of Kana (1 Time)<br>25%                                         |          | 0.25             | 36241.3  | 9060.3          |
| 15 | Laying out & fixing of<br>Barbed Wire                                      | L/s      |                  | 0        | 10630.8         |
| 16 | Watch & Ward for every 10<br>Ha. ( 7 Months)                               | Man Year | 1 Man<br>7 Month | 11516.7  | 8061.7          |
| 17 | Material                                                                   |          |                  |          | 0.0             |
|    | i) Insecticides / Fertilizers                                              | L/s      |                  |          | 6752.3          |
|    | ii) POL                                                                    | L/s      |                  |          | 6752.3          |
|    | iii) Barbed Wire                                                           | L/s      |                  |          | 67522.9         |
|    | <b>Sub Total</b>                                                           |          |                  |          | <b>252923.4</b> |
|    | <b>Maintenance 1 Year</b>                                                  |          |                  |          |                 |
| 1  | Cost of raising plants for<br>30% replacement                              | 1 No.    | 300              | 26.95    | 8103.8          |
| 2  | Reopening of Pits 300 x 0.50<br>x 0.50 x 0.30                              | 1 m3     | 22.5             | 80.514   | 1811.9          |
| 3  | Refilling of pits with earth in<br>other soils 300 x 0.50 x 0.50<br>x 0.30 | 1 m3     | 22.5             | 37.067   | 834.9           |
| 4  | Loading & Unloading of<br>Plants                                           | 1 No.    | 330              | 3.369    | 1096.3          |
| 5  | Carriage of Plants<br>(300+10% Wastage = 330<br>avg. distance upto 10 Km.) | 100 No.  | 330              | 265.01   | 874.3           |
| 6  | Spreading of plants pit to pit                                             | 100 No.  | 300              | 177.15   | 531.6           |
| 7  | Re-Planting to plants                                                      | 100 No.  | 300              | 444.45   | 1333.2          |
| 8  | Spot Irrigation                                                            | 100 No.  | 300              | 276.8    | 830.5           |
| 9  | Weeding & Hoeing (Three)                                                   | 100 No.  | 3000             | 482.84   | 14484.4         |
| 10 | Application of Insecticide (2<br>Times)                                    | 100 No.  | 2000             | 55.361   | 1107.3          |
| 11 | Application of Fertilizers (2<br>Times)                                    | 100 No.  | 2000             | 55.361   | 1107.3          |
| 12 | Hand Watering (6 Times)                                                    | 100 No.  | 6000             | 482.84   | 28969.0         |
| 13 | Rejungle Clearance (2<br>Times) 50%                                        | Per Ha.  | 1                | 3211.43  | 3211.4          |
| 14 | Restubbing of Kana                                                         | Per Ha.  | 0.25             | 36240.90 | 9060.2          |
| 15 | Watch & Ward for every 10<br>Ha. (7 Months)                                | Man Year | 1/10<br>Man Yr.  | 11516.7  | 8061.7          |
| 16 | Repair of Barbed Wire                                                      | L/s      |                  |          | 6752.3          |
| 17 | POL & Machinery                                                            | L/s      |                  |          | 6752.3          |

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|    |                                                                      |          |              |         |                 |
|----|----------------------------------------------------------------------|----------|--------------|---------|-----------------|
| 18 | Material and Supply                                                  | L/s      |              |         | 6752.3          |
|    | <b>Sub Total</b>                                                     |          |              |         | <b>101674.8</b> |
|    | <b>2nd Year Maintenance</b>                                          |          |              |         |                 |
| 1  | Cost of raising plants for 15% replacement                           | 1 No.    | 150          | 26.9585 | 4051.84         |
| 2  | Reopening of Pits 150 x 0.50 x 0.50 x 0.40                           | 1 m3     | 15           | 80.5145 | 1207.96         |
| 3  | Refilling of pits with earth in other soils 150 x 0.50 x 0.50 x 0.30 | 1 m3     | 11.25        | 37.068  | 417.38          |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 165          | 3.36981 | 548.20          |
| 5  | Carriage of Plants (150+10% Wastage = 165 avg. distance upto 10 Km.) | 100 No.  | 165          | 265.012 | 437.23          |
| 6  | Spreading of plants pit to pit                                       | 100 No.  | 150          | 177.156 | 265.73          |
| 7  | Re-Planting to plants                                                | 100 No.  | 150          | 309.421 | 464.07          |
| 8  | Spot Irrigation                                                      | 100 No.  | 150          | 276.806 | 415.21          |
| 9  | Weeding & Hoeing (Twice)                                             | 100 No.  | 2000         | 482.846 | 9656.32         |
| 10 | Hand Watering (5 Times)                                              | 100 No.  | 5000         | 276.806 | 13842.23        |
| 11 | Rejungle Clearance (2 Times) 50%                                     | Per Ha.  | 1            | 3211.43 | 3211.43         |
| 12 | Pruning to Plants                                                    | 100 No.  | 100          | 523.404 | 523.40          |
| 13 | Watch & Ward for every 10 Ha. (7 months)                             | Man Year | 1/10 Man Yr. | 11516.7 | 8061.68         |
| 14 | Repair of Barbed Wire                                                | L/s      |              | 6752.3  | 6752.3          |
| 15 | POL & Machinery                                                      | L/s      |              | 6752.3  | 6752.3          |
| 18 | Material and Supply                                                  | L/s      |              | 6752.3  | 6752.3          |
|    | <b>Sub Total</b>                                                     |          |              |         | <b>63359.5</b>  |
|    | <b>3rd Year Maintenance</b>                                          |          |              |         |                 |
| 1  | Cost of raising plants for 10% replacement                           | 1 No.    | 100          | 26.9585 | 2701.3          |
| 2  | Reopening of Pits 100 x 0.50 x 0.50 x 0.40                           | 1 m3     | 10           | 8052.77 | 805.3           |
| 3  | Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30 | 1 m3     | 7.5          | 37.068  | 278.3           |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 110          | 3.36981 | 365.4           |
| 5  | Carriage of Plants (100+10% Wastage = 110 avg. distance upto 10 Km.) | 100 No.  | 110          | 1.32386 | 149.2           |
| 6  | Spreading of plants pit to pit                                       | 100 No.  | 100          | 177.156 | 177.2           |
| 7  | Re-Planting to plants                                                | 100 No.  | 100          | 309.421 | 309.4           |

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|----|----------------------------------------------------------------------|----------|--------------|---------|----------------|
| 8  | Spot Irrigation                                                      | 100 No.  | 100          | 276.806 | 276.8          |
| 9  | Weeding & Hoeing (thrice)                                            | 100 No.  | 3000         | 482.846 | 14484.4        |
| 10 | Hand Watering (8 Times)                                              | 100 No.  | 8000         | 276.806 | 22147.5        |
| 11 | Pruning to Plants 20%                                                | 100 No.  | 200          | 523.404 | 1046.9         |
| 12 | Watch & Ward for every 10 Ha. (7 months)                             | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7         |
| 13 | Repair of Barbed Wire                                                | L/s      |              | 6752.3  | 6752.3         |
| 14 | POL & Machinery                                                      | L/s      |              | 6752.3  | 6752.3         |
| 15 | Material and Supply                                                  | L/s      |              | 6752.3  | 6752.3         |
|    | <b>Sub Total</b>                                                     |          |              |         | <b>71060.2</b> |
|    | <b>4th Year Maintenance</b>                                          |          |              |         |                |
| 1  | Cost of raising plants for 5% replacement                            | 1 No.    | 50           | 26.9585 | 1350.6         |
| 2  | Reopening of Pits 50 x 0.50 x 0.50 x 0.40                            | 1 m3     | 5            | 8052.77 | 402.7          |
| 3  | Refilling of pits with earth in other soils 100 x 0.50 x 0.50 x 0.30 | 1 m3     | 3.75         | 37.068  | 139.1          |
| 4  | Loading & Unloading of Plants                                        | 1 No.    | 55           | 3.36981 | 182.7          |
| 5  | Carriage of Plants (50+10% Wastage = 55 avg. distance upto 10 Km.)   | 100 No.  | 55           | 1.32386 | 74.6           |
| 6  | Spreading of plants pit to pit                                       | 100 No.  | 50           | 177.156 | 88.6           |
| 7  | Re-Planting to plants                                                | 100 No.  | 50           | 309.421 | 154.7          |
| 8  | Spot Irrigation                                                      | 100 No.  | 50           | 276.806 | 138.4          |
| 9  | Weeding & Hoeing (thrice)                                            | 100 No.  | 3000         | 482.846 | 14484.4        |
| 10 | Hand Watering (8 Times)                                              | 100 No.  | 8000         | 276.806 | 22147.5        |
| 11 | Pruning to Plants 30%                                                | 100 No.  | 300          | 523.404 | 1570.3         |
| 12 | Watch & Ward for every 10 Ha. (7 months)                             | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7         |
| 13 | Repair of Barbed Wire                                                | L/s      |              | 6752.3  | 6752.3         |
| 14 | POL & Machinery                                                      | L/s      |              | 6752.3  | 6752.3         |
| 15 | Material and Supply                                                  | L/s      |              | 6752.3  | 6752.3         |
|    | <b>Sub Total</b>                                                     |          |              |         | <b>69052.1</b> |
|    | <b>5th Year Maintenance</b>                                          |          |              |         |                |
| 1  | Watch & Ward for every 10 Ha. (7 Months)                             | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7         |
|    | <b>Sub Total</b>                                                     |          |              |         |                |
|    | <b>6th Year Maintenance</b>                                          |          |              |         |                |
| 1  | Watch & Ward for every 10 Ha. (7 Months)                             | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7         |

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|   |                                                                                           |          |              |         |                 |
|---|-------------------------------------------------------------------------------------------|----------|--------------|---------|-----------------|
|   | <b>Sub Total</b>                                                                          |          |              |         |                 |
|   | <b>7th Year Maintenance</b>                                                               |          |              |         |                 |
| 1 | Watch & Ward for every 10 Ha. (7 Months)                                                  | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7          |
|   | <b>Sub Total</b>                                                                          |          |              |         |                 |
|   | <b>8th Year Maintenance</b>                                                               |          |              |         |                 |
| 1 | Watch & Ward for every 10 Ha. (7 Months)                                                  | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7          |
|   | <b>Sub Total</b>                                                                          |          |              |         |                 |
|   | <b>9th Year Maintenance</b>                                                               |          |              |         |                 |
| 1 | Watch & Ward for every 10 Ha. (7 Months)                                                  | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7          |
|   | <b>Sub Total</b>                                                                          |          |              |         |                 |
|   | <b>10th Year Maintenance</b>                                                              |          |              |         |                 |
| 1 | Watch & Ward for every 10 Ha. (7 Months)                                                  | Man Year | 1/10 Man Yr. | 11516.7 | 8061.7          |
|   | <b>Sub Total</b>                                                                          |          |              |         | 48370.1         |
|   | <b>Total</b>                                                                              |          |              |         | 606440.1        |
|   | <b>Over Head expenses 5%</b>                                                              |          |              |         | 30322.0         |
|   | <b>Wage Enhancement @ 10%</b>                                                             |          |              |         | 60644.0         |
|   | <b>G. Total</b>                                                                           |          |              |         | 697406.1        |
|   | <b>Or Say</b>                                                                             |          |              |         | 6,97,406/-      |
|   | <b>Cost of Compensatory Afforestation for 100 plants x 6,97,406/- Rs Per Ha. /1000 Rs</b> |          |              |         | <b>69,741/-</b> |
|   | <b>EPA 10% of total CA Cost</b>                                                           |          |              |         | <b>6,974/-</b>  |

Place:Patiala  
 Date:

  
 VidhyaSagari R.U. ,IFS  
 Divisional Forest Officer,  
 Patiala Forest Division,  
 Patiala.  
