

Diversion of 0.0068 Ha of forest land for approach road to Makhan Palace at Village Paswal  
Purana Shalla –Chak Sharif road, P.O Saidowal Khurd, Tehsil & District Gurdaspur,

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

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

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**"SCHEME FOR COMPENSATORY AFFORESTATION"**

Detailed scheme for Compensatory Afforestation to be carried out in lieu of 0.0068 ha of forest area to be diverted for Forest land for Makhan Palace at Village Paswal Purana Shalla –Chak Sharif road, P.O Saidowal Khurd, Tehsil & District Gurdaspur

**1. Details of degraded forest land/non-forest land:-**

District: Gurdaspur Village : Bholeke Minor RD Udhewali Kalan to Rupowali B/s (100Plants)  
Tehsil : Fatehgarhchurian Name of Forest Division Gurdaspur  
Range: Alliwai  
Block/Compartment/Survey No  
Area to be afforested 0.100 Ha +0.068(Penal CA) = 0.168 ha

**2. Description of the Area**

- I) Whether the site selected for Compensatory Afforestation is a land bank or not : Yes
- II) If the CA site is other than the land bank, reasons be given : No
- III) In case of non- forest area identified for CA, then what is the distance of CA site from \_\_\_\_\_  
the adjoining forest boundary: \_\_\_\_\_
- IV) Soil type : Medium Soil
- V) Topography :
- (a) Hilly/Undulating/Plain
- (b) Slope: Steep/Medium/Gentle
- VI) Whether the area is bearing any root stock of vegetation: No

**3. Plantation Model:-**

Copy of the approved Compensatory Afforestation Scheme/Model showing component - wise physical and financial break up to be enclosed.

**4. Schedule of Plantation Programme:-**

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

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

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| c                                               | Area  | Rate/ha.  | Total Amount |
|-------------------------------------------------|-------|-----------|--------------|
| 0 Year Mtc.                                     | 0.168 | 208611.59 | 35046.75     |
| 1 st Year Mtc.                                  | 0.168 | 83004.20  | 13944.71     |
| 2 <sup>nd</sup> Year Mtc.                       | 0.168 | 61172.20  | 10276.93     |
| 3 <sup>rd</sup> Year Mtc.                       | 0.168 | 60143.27  | 10104.07     |
| 4 <sup>th</sup> Year Mtc.                       | 0.168 | 48825.95  | 8202.76      |
| 5 <sup>th</sup> Year Mtc.                       | 0.168 | 9569.30   | 1607.64      |
| 6 <sup>th</sup> Year Mtc.                       | 0.168 | 9569.30   | 1607.64      |
| 7 <sup>th</sup> Year Mtc.                       | 0.168 | 9569.30   | 1607.64      |
| 8 <sup>th</sup> Year Mtc.                       | 0.168 | 9569.30   | 1607.64      |
| 9 <sup>th</sup> Year Mtc.                       | 0.168 | 9569.30   | 1607.64      |
| 10 <sup>th</sup> Year Mtc.                      | 0.168 | 9569.30   | 1607.64      |
| <b>Total</b>                                    |       | 519173.01 | 87221.07     |
| <b>Overhead 5%</b>                              |       | 25958.65  | 4361.05      |
| <b>Enhancement due to wages escalation @20%</b> |       | 103834.60 | 17444.21     |
| <b>Total</b>                                    |       | 648966.26 | 109026.33    |
| <b>Supervision Charges 10%</b>                  |       |           | 10902.63     |
| <b>G.Total</b>                                  |       |           | 119928.97    |
|                                                 |       |           |              |

  
JARNAIL SINGH  
PFS  
Divisional Forest Officer  
Gurdaspur Forest Division  
Gurdaspur

**5. Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-



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- a) General Details : Compensatory afforestation at Bholeke Minor RD Udhawali Kalan to Rupowali B/s (168Plants) 0.168 Ha in Alliwai Range.
- b) Spacing : 3 x 3 M
- c) Species : Shisham, Amla, Kikar, Jaman sirs, Mango etc.
- d) Plantation Method : Degraded and Trench & Pits
- e) Soil and Moisture Conservation Works : Trench & Pits
- f) Protection (Fencing, Watch man, People's Participation etc.): To be done by Forest Department.
- g) Proposed Monitoring Mechanism : It will be done by concerned Range Officer, Divisional Forest Officer and higher authority from time to time.
- h) Any other information:- N.A.

  
(Jarnail Singh)  
Divisional Forest Officer,  
Gurdaspur Forest Division,  
Gurdaspur  
Gurdaspur Forest Officer  
Gurdaspur Forest Division  
Gurdaspur



Diversion of 0.0068 Ha of forest land for approach road to Makhan Palace at Village Paswal, Purana Shalla-Chak Sharif Road, P.O Saldawal Khurd, Tehsil & District Gurdaspur. (CA Scheme)

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 Plts 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>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>                                                     | L/s             |              |                   | 5000.00          |
|          | a) insectiside/Fertilizers                                          | L/s             |              |                   | 5000.00          |
|          | b)POL                                                               | L/s             |              |                   | 50000.00         |
|          | c)Barbed Wire&fencing                                               |                 |              |                   |                  |
|          | <b>Sub Total</b>                                                    |                 |              |                   | <b>208611.59</b> |
|          | <b>1st Year Maintenance</b>                                         |                 |              |                   |                  |

Divisional Forest Officer  
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>JARNAIL Sub Total</b> | <b>61172.20</b> |
| <b>3rd Year Maintenance</b> |                                                                   |                 |              |                          |                 |

Divisional Forest Officer  
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|    |                                                               |                 |              |           |          |
|----|---------------------------------------------------------------|-----------------|--------------|-----------|----------|
| 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 | Watchin & 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  |
|    |                                                               |                 |              | Sub Total | 60143.27 |
|    | 4th Year Maintenance                                          |                 |              |           |          |
| 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  |
|    |                                                               |                 |              | Sub Total | 48825.95 |
|    | 5th Year Maintenance                                          |                 |              |           |          |
| 1  | Watch & Ward for every 10 Ha.(10 Months)                      | Man year        | 1/10 Man yr. | 9569.30   | 9569.30  |
|    |                                                               |                 |              | Sub Total | 9569.30  |
|    | 6th Year Maintenance                                          |                 |              |           |          |

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Gurdaspur



|    |                                                                                             |           |              |                  |                  |
|----|---------------------------------------------------------------------------------------------|-----------|--------------|------------------|------------------|
|    |                                                                                             |           |              | <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> |
|    | or say                                                                                      |           |              |                  | <b>648966.25</b> |
| a) | <b>Cost of Plantation</b>                                                                   |           |              |                  |                  |
|    | Cost of Plantation in 1 Hect. Area (1000 Plants)+                                           |           |              |                  | 648966.25        |
|    | Cost of plantation for 0.100 ha.                                                            |           |              |                  | 64896.63         |
|    | Supervision charges 10%                                                                     |           |              |                  | 6489.66          |
|    |                                                                                             |           | <b>Total</b> |                  | <b>71386.29</b>  |
|    | <b>Penal CA</b>                                                                             |           |              |                  |                  |
| b) | <b>Cost of Plantation (Penal CA)</b>                                                        |           |              |                  |                  |
|    | Cost of Plantation in 1 Hect. Area (1000 Plants)+                                           |           |              |                  | 648966.25        |
|    | Cost of plantation for 0.0068 x 10 = 0.068ha.                                               |           |              |                  | 44129.71         |
|    | Supervision charges 10%                                                                     |           |              |                  | 4412.97          |
|    |                                                                                             |           | <b>Total</b> |                  | <b>48542.68</b>  |
| c) | Net present value of 0.0068 ha as fixed by Govt. for open area diverted @ Rs.957780 per ha. |           |              | Rs.              | 6512.90          |
|    | Penalty of violation 5 years= $0.0068/5=0.034$                                              |           |              |                  | 32564.00         |
|    | Interest 12% per year of violation                                                          |           |              |                  | 3907.60          |
|    | interest for 10 year                                                                        |           |              |                  | 39070.00         |
|    |                                                                                             | Total Say |              |                  | 198075.86        |
|    |                                                                                             | Or Say    |              |                  | 198076/-         |

  
 Divisional Forest Officer, GSD  
 Gurdaspur Forest Division, FFS  
 Gurdaspur Forest Division  
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 Gurdaspur