

Unit cost estimate for advance cum raising of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-2021

| Sl.No | Item No. | Item of work | Units | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|-------|----------------|---|--|-----|------------|------|--------------|
| 1 | As per actuals | Cost of plants of 8"X12" size bag plants including transportation upto planting site (including 10% casualties) | Nos | 400 | 80.00 | 1 | 32000 |
| 2 | 02.15.03 | Digging of pits 60 cm ³ manually and an inspection report regarding the correctness of the pit shall be submitted by FRO to DFO concerned. During June-July i) 60 cm ³ size (0.216 cum) in Ordinary Soil (Manual) | Nos | 400 | 48.56 | 1 | 19424 |
| 3 | 02.18.10 | Internal transport of bag plants to planting points on head loads. 20 X 30 cm (8"X12") bag plants | Nos | 400 | 162.30 | 100 | 649 |
| 4 | 02.19.01 | Application of 50gm of SSP per pit (1 day before planting) for root growth and early establishment of plant after planting. | Nos | 400 | 39.27 | 100 | 157 |
| 5 | 02.19.02 | Cost of SSP, Chloridine dust (50gm) or Chloropyriphos | Nos | 400 | 0.50 | 1 | 200 |
| 6 | 02.19.03 | Planting in 60 cm ³ pit | Nos | 400 | 970.88 | 100 | 3884 |
| 7 | 02.19.05 | Watering (one time) immediately after planting if the planting takes place on a non-rainy days and during dry spell | | | | | |
| | a) | One critical watering after planting if | Nos | 400 | 264.86 | 100 | 1059 |
| | b) | 2 nd watering if dry spell is more than 5-6 | Nos | 400 | 264.86 | 100 | 1059 |
| 8 | 02.20.05 | Watering (9 waterings) during summer season from Jan to March @ 2 waterings / month | Nos | 400 | 2383.74 | 100 | 9535 |
| 9 | 02.20.06 | Replacement of Casualties: 10% during Raising Year . The casualty replacement should be done in 3 stages at an interval of 15 days immediately after planting during raising year. | 50% of unit rate of original pitting during raising year and 100% during maint. year. Planting, transportation and internal transportation same | | | | |
| 10 | 02.15.03 | 60 cm cube size in hard gravelly and moram Soil (Manual) | Each | 40 | 24.28 | Each | 971 |
| 11 | | Internal transportation | Nos | 40 | 162.30 | 100 | 65 |
| 12 | | Planting in 60 cm ³ pit | Nos | 40 | 970.88 | 100 | 388 |
| | 02.20.07 | Application of fertilizer | | | | | |
| 13 | | (a) Cost of DAP @ 25gm/planting point | Nos | 400 | 0.70 | 1 | 280 |
| 14 | 02.19.07 b) | (b) Application of fertilizer in August (30days after planting) by making 3 holes of 10cm depth with crow bar holes at a distance of 10cm away from plant and putting fertilizers and closing. | Nos | 400 | 39.27 | 100 | 157 |

| Sl.No | FSR Item No. | Item of work | Units | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|-------------------------|--------------|---|---|-----|------------|-----|--------------|
| 15 | | Weeding & Soil working | | | | | |
| | 02.19.08 | Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June. | Nos | 400 | 124.95 | 100 | 500 |
| 16 | 02.19.09 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 17 | 02.19.10 | Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging plant (to be carried out during Nov - Dec) | | | | | |
| 18 | 02.20.08 | 1 st circular weeding to a radius of 0.50 m around the plant after 30 days of planting | Nos | 400 | 119.00 | 100 | 476 |
| 19 | 02.20.09 | 2 nd circular weeding to a radius of 0.50 m around the plant 90 days after planting (i.e. Sept - Oct) | Nos | 400 | 119.00 | 100 | 476 |
| 20 | 02.20.10 | Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging plant (to be carried out during Nov - Dec) (b) For hard gravelly soil | | | | | |
| | | (b) For hard gravelly soil | Nos | 400 | 656.25 | 100 | 2625 |
| 21 | 02.19.12 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 22 | 02.19.16 | Contigencies provision for Raising of Plantations: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 5% of the estimate cost subject to ceiling of Rs. 5,000/-) | with in 5% of the estimate cost subject to ceiling of Rs. 5,000/- | | | | 3098 |
| | | Total | | | | | 78000 |
| Unit Rate for 2021-2022 | | | | | | | 81900 |


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Unit cost estimate for 1 year maint of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-21

| Sl.No | FSR Item No. | Item of work | Unit | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|-------|----------------|--|--|-----|------------|------|--------------|
| 1 | 02.20.01 | Replacement of Casualties: 20% in 1st year. The list of all casualty points shall be prepared by concerned FRO and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by the end of June. The replacement of casualties shall be completed by 15th of July. | Pitting, planting, transportation and internal transportation same as prescribed in fresh planting of the raising year | | | | |
| 2 | As per actuals | Cost of plants of 8"X12" size bag plants including transportation upto planting site (including 20% casualties) | Nos | 80 | 80.00 | Each | 6400 |
| 3 | 02.15.03 | Digging of pits 60 cm ³ manually and an inspection report regarding the correctness of the pit shall be submitted by FRO to DFO concerned. | Nos | 80 | 48.56 | Each | 3885 |
| 4 | 02.18.10 | Internal transport of bag plants to planting points on head loads. 20 X 30 cm (8"X12") bag plants | Nos | 80 | 162.30 | 100 | 130 |
| 5 | 02.20.02 | Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting | Nos | 400 | 124.95 | 100 | 500 |
| 6 | 02.20.03 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 7 | 02.20.04 | Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) | | | | | |
| | | (b) For hard gravelly soil | Nos | 400 | 656.25 | 100 | 2625 |
| 8 | 02.20.05 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 9 | 02.20.08 | Contingencies provision for maintainence of plantaitons: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-) | | | | | 463 |
| | | Total: | | | | | 15000 |
| | | | Unit Rate for 2021 -22 | | | | 15900.00 |
| | | | Unit Rate for 2022 -23 | | | | 16854.00 |


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Unit cost estimate for 11 year maint of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-21


| Sl.No | FSR Item No. | Item of work | Unit | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|------------------------|-----------------|--|--|-----|------------|------|-----------------|
| | 02.20.01 | Replacement of Casualties: 10% in 1st year. The list of all casualty points shall be prepared by concerned FRO and made a report to DFO latest by end of May. The pitting of all such casualty points shall be over by the end of June. The replacement of casualties shall be completed by 15th of July. | Pitting, planting, transportation and internal transportation same as prescribed in fresh planting of the raising year | | | | |
| 1 | As per actuals | Cost of plants of 8"X12" size bag plants including transportation upto planting site (including 20% casualties) | Nos | 40 | 80.00 | Each | 3200 |
| 2 | 02.15.03 | Digging of pits 60 cm ³ manually and an inspection report regarding the correctness of the pit shall be submitted by FRO to DFO concerned. | Nos | 40 | 48.56 | Each | 1942 |
| 3 | 02.18.10 | Internal transport of bag plants to planting points on head loads. 20 X 30 cm (8"X12") bag plants | Nos | 40 | 162.30 | 100 | 65 |
| 4 | 02.20.02 | <i>Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting</i> | Nos | 400 | 124.95 | 100 | 500 |
| 5 | 02.20.03 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 6 | 02.20.04 | Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) | | | | | |
| | | (b) For hard gravelly soil | Nos | 400 | 656.25 | 100 | 2625 |
| 7 | 02.20.05 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 8 | 02.20.08 | Contingencies provision for maintainence of plantaitons: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-) | | | | | 271 |
| | | Total: | | | | | 9600 |
| Unit Rate for 2021 -22 | | | | | | | 10176.00 |
| Unit Rate for 2022 -23 | | | | | | | 10787.00 |
| Unit Rate for 2023-24 | | | | | | | 11434.00 |


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Unit cost estimate for III year maint of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-21

| Sl.No. | FSR Item No. | Item of work | Unit | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|--------|--------------|--|------|-----|------------|-----|--------------|
| 1 | 02.20.02 | Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting | Nos | 400 | 124.95 | 100 | 500 |
| 2 | 02.20.03 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 3 | 02.20.04 | Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) | | | | | |
| | | (b) For hard gravelly soil | Nos | 400 | 656.25 | 100 | 2625 |
| 4 | 02.20.05 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 5 | 02.20.08 | Contingencies provision for maintainence of plantaitons: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-) | | | | | 128 |
| | | Total: | | | | | 4250 |


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| Unit Rate for 2021 -22 | 4505.00 |
| Unit Rate for 2022 -23 | 4775.00 |
| Unit Rate for 2023-24 | 5062.00 |
| Unit Rate for 2024-25 | 5366.00 |


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Unit cost estimate for IV year maint of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-21

| Sl.No | FSR Item No. | Item of work | Unit | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|------------------------|--------------|--|------|-----|------------|-----|----------------|
| 1 | 02.20.02 | Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June. | Nos | 400 | 124.95 | 100 | 500 |
| 2 | 02.20.03 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 3 | 02.20.04 | Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) | | | | | |
| | | (b) For hard gravelly soil | Nos | 400 | 656.25 | 100 | 2625 |
| 4 | 02.20.05 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 5 | 02.20.08 | Contingencies provision for maintainence of plantaitons: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-) | | | | | 128 |
| | | Total: | | | | | 4250 |
| Unit Rate for 2021 -22 | | | | | | | 4505.00 |
| Unit Rate for 2022 -23 | | | | | | | 4775.00 |
| Unit Rate for 2023-24 | | | | | | | 5062.00 |
| Unit Rate for 2024-25 | | | | | | | 5366.00 |
| Unit Rate for 20225-26 | | | | | | | 5688.00 |



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Unit cost estimate for V year maint of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-21

| Sl.No | FSR Item No. | Item of work | Unit | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|-------|--------------|--|------|-----|------------|-----|--------------|
| 1 | 02.20.02 | Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June. | Nos | 400 | 124.95 | 100 | 500 |
| 2 | 02.20.03 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 3 | 02.20.04 | Deep soil working to a radius of 0.5 m and to a depth of 10 cm (to be done by pick-axe only) without damaging the plant (to be carried out during Nov - Dec) | | | | | |
| | | (b) For hard gravelly soil | Nos | 400 | 656.25 | 100 | 2625 |
| 4 | 02.20.05 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 5 | 02.20.08 | Contingencies provision for maintainence of plantaitons: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-) | | | | | 125 |
| | | Total: | | | | | 4247 |


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| Unit Rate for 2021 -22 | 4502 |
| Unit Rate for 2022 -23 | 4772 |
| Unit Rate for 2023-24 | 5058 |
| Unit Rate for 2024-25 | 5361 |
| Unit Rate for 2025-26 | 5683 |
| Unit Rate for 2026-27 | 6024 |


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Unit cost estimate for VI year maint of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-21

| Sl.No | FSR Item No. | Item of work | Unit | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|------------------------|--------------|--|------|-----|------------|-----|--------------|
| 1 | 02.20.02 | Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June. | Nos | 400 | 124.95 | 100 | 500 |
| 2 | 02.20.03 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 3 | 02.20.05 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 4 | 02.20.08 | Contingencies provision for maintainence of plantaitons: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-) | | | | | 53 |
| | | Total: | | | | | 1550 |
| Unit Rate for 2021 -22 | | | | | | | 1643 |
| Unit Rate for 2022 -23 | | | | | | | 1742 |
| Unit Rate for 2023-24 | | | | | | | 1847 |
| Unit Rate for 2024-25 | | | | | | | 1958 |
| Unit Rate for 2025-26 | | | | | | | 2075 |
| Unit Rate for 2026-27 | | | | | | | 2200 |
| Unit Rate for 2027-28 | | | | | | | 2332 |


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Unit cost estimate for VII year maint of 0.38 Ha BHA Plantation (@ 400 plants/ Ha in gaps) 2020-21

| Sl.No | FSR Item No. | Item of work | Unit | Qty | Rate (Rs.) | Per | Amount (Rs.) |
|------------------------|--------------|--|------|-----|------------|-----|--------------|
| 1 | 02.20.02 | Weeding and saucer formation to a radius of 0.5 mts around the plant immediately after planting (i.e) during June. | Nos | 400 | 124.95 | 100 | 500 |
| 2 | 02.20.03 | Circular weeding to a radius of 0.50 m around the plant (i.e. Aug - Sept) | Nos | 400 | 124.95 | 100 | 500 |
| 3 | 02.20.05 | Pruning of lower branch initials by scicature upto 1/3 rd height (to be undertaken during October) | Nos | 400 | 124.27 | 100 | 497 |
| 4 | 02.20.08 | Contingencies provision for maintainence of plantaitons: | | | | | |
| | | ii) Contingencies and Miscellaneous (with in 3% of the estimate cost subject to ceiling of Rs. 3,000/-) | | | | | 53 |
| | | Total: | | | | | 1550 |
| Unit Rate for 2021 -22 | | | | | | | 1643 |
| Unit Rate for 2022 -23 | | | | | | | 1742 |
| Unit Rate for 2023-24 | | | | | | | 1847 |
| Unit Rate for 2024-25 | | | | | | | 1958 |
| Unit Rate for 2025-26 | | | | | | | 2075 |
| Unit Rate for 2026-27 | | | | | | | 2200 |
| Unit Rate for 2027-28 | | | | | | | 2332 |
| Unit Rate for 2028-29 | | | | | | | 2472 |


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