

CHAPTER NO. 32

HORTICULTURE

Notes :-

- (i) The rates given under this chapter are subject to the P.W.D. specifications.
- (ii) Stacks of well decayed farm yard manure 32.5 cm in height, shall be measured and paid for 30 cm height.
- (iii) The through rates include the cost of water charges.
- (iv) The rates noted below are applicable for gardening works in lawns of the buildings, road sides, high slopes, canal embankments and arboriculture. The depth required to be excavated for planting of trees/grass etc. shall be decided by the Engineer-in-charge with due difference to the site and climatic conditions.
- (v) The procurement of earth/sludge or manure shall be from the sources as specified by the Engineer-in-charge. In case these are imported from a distant place longer than the ones specified in the items additional rates shall be paid on the basis of cheapest mode of transport.
- (vi) The cost of saplings of trees /shrubs potted plants and specimen plant or grass etc., if specifically procured for planting shall be paid separately

| Sr. No. | Description | Unit | For Plain | | Sub-Mountainous Region | |
|---------|--|------|-------------|--------------|------------------------|--------------|
| | | | Labour Rate | Through Rate | Labour Rate | Through Rate |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 32.1 | Supplying at site of work well decayed farm yard manure from approved site of work including screening and stacking. | cum | - | 375.45 | - | 413.00 |
| 32.2 | Turfing of slopes of new banks with rough grass including preparation of ground, Supplying and planting doob grass roots at 15 cm. apart, Supplying and spreading manure @ 0.18 cum per 100 sqm. | sqm | 2.62 | 10.69 | 2.88 | 10.95 |
| 32.3 | Turfing slopes of old banks, with rough grassing including preparation of ground, Supplying, planting doob grass roots @ 15 cm apart Supplying & spreading manure @ 0.18 cum per 100 sqm & loosening soil with kassi. | sqm | 2.62 | 10.69 | 2.88 | 10.95 |
| 32.4 | Making lawns including ploughing & dragging with 'Sohaga' breaking of clods, removal of earth rubbish dressing & Supplying doob grass roots and planting at 15 cm. apart including Supplying and spreading of farm yard manure @ 0.18 cum per 100 sqm & loosening. | sqm | 4.23 | 12.30 | 4.65 | 12.72 |

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| | | | Labour Rate | Through Rate | Labour Rate | Through Rate |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 32.5 | Maintenance of lawns/turfing of slopes (Rough grassing) for a period of one year including watering etc.) | sqm | 5.26 | 13.02 | 5.79 | 13.55 |
| 32.6 | Turfing of lawns with fine grass including ploughing dressing including/breaking of clods, removal of rubbish, dressing and Supplying of doob grass roots at 10 cm. apart including Supplying & spreading of manure @ 0.60 cum per 100 sqm. | sqm | 5.81 | 20.97 | 6.39 | 21.55 |
| 32.7 | Maintenance of lawn with fine grass mowing with the help of shrubs master for the 1st year including watering etc. | sqm | 35.04 | 43.79 | 38.54 | 47.29 |
| 32.8 | Planting permanent hedges including digging of trenches 60cm. wide and 30cm. deep, refilling the excavated earth mixed with manure supplied @ of 4.65 cum per 100 m & Supplying & planting hedge plants at 30cm. apart. | m | 16.22 | 74.95 | 17.84 | 76.57 |
| 32.9 | Maintaining the hedges for the first two years including watering etc. complete. | m | 396.22 | 406.26 | 435.84 | 445.88 |
| 32.10 | Digging of pits in all kinds of soil & refilling the same, with the excavated earth mixed with well decayed fary yard manure. | | | | | |
| | (i) Size of pit 0.75X0.75 x0.75 m deep | each | 45.39 | 107.30 | 49.93 | 111.84 |
| | (ii) Size of pit 0.60X0.60 x0.60 m deep | each | 26.13 | 63.71 | 28.74 | 66.32 |
| 32.11 | Brick edging of footpaths with 1st class bricks including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50 m | m | 3.57 | 21.48 | 3.93 | 21.84 |
| 32.12 | Renovating the lawns including weeding, cheeling the grass, forking the ground, top dressing with sand and FYM mixture 1:1 ratio, watering and maintaining the lawns for 30 days or more, till the grass forms a thick lawn free from weeds and fit for mowing. | sqm | 9.73 | 18.23 | 10.70 | 19.20 |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 32.13 | Half brick circular treeguard in 1st class bricks internal dia 1.25 m And height 1.2 mtrs above ground and 0.20 mtrs. Below ground bottom two courses laid dry and top three courses in cement mortar (1.6) 1 cement and 6 sand and the intermediate course. | each | 103.23 | 941.01 | 113.55 | 951.33 |
| 32.14 | Providing & fixing M.S. Flat iron tree guard 60 cm dia and 2 m. High above ground level formed of 4 Nos. 25 mmx6mm and 6 Nos. 25mmx3mm vertical M/S. flat rivetted to 3 no. 75mmx6mm M.S flat iron rings in two halves bolted together with 8mm dia & 30 mm | each | 764.75 | 2442.54 | 841.23 | 2519.02 |
| 32.15 | Providing & fixing in position PCC tree-guard with appropriate reinforcement with MS bars of 8mm, 6mm and 4mm, having four panels of equal size and specification, consisting of overall height of 1800 mm and overall width of 620 mm including all carriages. | each | 29.29 | 1745.79 | 32.22 | 1748.72 |
| 32.16 | Supplying and planting permanent trees including digging of earth pits size 75cmx75cmx75 cm deep, refilling the excavated earth with manure supplied @ 0.113 cum each and watering Supplying through tractor tanker. | each | 51.56 | 270.96 | 56.72 | 276.12 |
| 32.17 | Maintenance of tree | | | | | |
| | (a) Maintenance of tree for the 1st year including the watering etc. | each | 472.28 | 539.67 | 519.51 | 586.90 |
| | (b) Maintenance of tree for the 2nd year including the watering etc. | each | 393.36 | 461.31 | 432.70 | 500.65 |
| | (c) Maintenance of tree for the 3rd year including the watering etc. | each | 353.89 | 422.98 | 389.28 | 458.37 |
| | (d) Maintenance of tree for the 4th & 5th year including the watering etc. | each | 306.56 | 375.65 | 337.22 | 406.31 |
| 32.18 | Planting permanent shrubs including digging of pits on earth size 0.60mx0.60m x0.60m deep, refilling the excavated earth mixed with manure supplied @ 0.056 cum each and watering Supply through the tractor tanker | each | 33.09 | 154.51 | 36.40 | 157.82 |

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| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 32.19 | Maintenance of shrubs for one year including watering Supply through tractor tanker. | each | 236.88 | 292.25 | 260.57 | 315.94 |
| 32.20 | Providing and fixing bamboo tree guard with 4 No. legs of bamboo sticks of 50mm dia and 1.5 m length. Rings of bamboos duly attached to the legs with nuts bolts and washers of 10 mm thickness and 75mm long. Legs upto 30cm. dipped in bitumen. | each | 19.46 | 797.60 | 21.41 | 799.55 |
| 32.21 | Turfing of lawn with planting of selection No. 1 superior quality grass with machinery including ploughing the land, levelling and dressing, applying farm yard manure in 2.5cm layer, application of insecticide/pesticide to safe guard against soil borne diseases. | sqm | 18.06 | 48.94 | 19.87 | 50.75 |
| 32.22 | Planting ground cover plants including digging and refilling of beds with excavated soil and FYM, Fertilizer and insecticides, planting of saplings at 30cm distance from plant to plant and row to row, providing and fixing brick tiles edging. | sqm | 39.54 | 177.67 | 43.49 | 181.62 |
| 32.23 | Planting flower beds including digging and refilling of beds with excavated soil and FYM, fertilizer and insecticides, planting of sapling at 30cm distance from plant to plant and row to row. | sqm | 39.54 | 190.37 | 43.49 | 194.32 |
| 32.24 | Planting rose beds including digging and refilling of beds with excavated soil and FYM, fertilizer and insecticides, planting of sapling at 0.75cm distance from plant to plant and row to row. | sqm | 39.54 | 175.96 | 43.49 | 179.91 |
| 32.25 | Creating earthen mounds, making desirable grades, plantation, brick tiles and white stones including supply of good earth, ground cover plants, rare species of plants, supplying and fixing brick tiles for making pockets, supplying white stone of average 15 cm size. | sqm | 27.24 | 539.02 | 29.96 | 541.74 |

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| 32.26 | Planting ground cover (rare sp. plants) including digging and refilling of beds with excavated soil and FYM, fertilizer and insecticides, planting of sapling at 30cm distance from plant to plant and row to row. Providing and fixing brick tiles edging. | sqm | 39.54 | 495.22 | 43.49 | 499.17 |
| 32.27 | Planting rare & specimen plants including digging and refilling of pits with excavated soil and FYM, fertilizer and insecticides, planting of sapling in position. | each | 51.56 | 728.69 | 56.72 | 733.85 |
| 32.28 | Maintenance of ground cover plants for one year including 27 No. waterings @ 4 waterings in the months of March, April, May and June, 2 No irrigation each in the months of February, October, November and December and one irrigation each in July, August and Sept. | sqm | 110.99 | 157.24 | 122.09 | 168.34 |
| 32.29 | Maintenance of flower beds for one year including 27 No. waterings @ 4 waterings in the months of March, April, May and June, 2 No irrigations each in the months of February, October, November and December and one irrigation each in July, August and September | sqm | 107.03 | 300.25 | 117.73 | 310.95 |
| 32.30 | Maintenance of rose beds for one year including 27 No. waterings @ 4 waterings in the months of March, April, May and June, 2 No irrigations each in the months of February, October, November and December and one irrigation each in July, August and September. | sqm | 110.99 | 158.22 | 122.09 | 169.32 |
| 32.31 | Providing and fixing of steel tree guard having 3 No. legs of angle iron size 25x25x3mm, 1.80 m height, 3 No rings of M.S. bars of 8mm thickness 60cm dia and fixing of wire mesh size 3.81x7.62cm around the angle iron complete in all respects. | each | 701.54 | 1926.99 | 771.69 | 1997.14 |

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| 32.32 | Maintenance of lawns with superior quality grass i.e. selection No. 1 grass for one year including 27 No. waterings @ 4 waterings in the months of March, April, May and June, 2 No irrigation each in the months of February, October, November and December and one irrigation each in July, August and September. | sqm | 29.29 | 41.44 | 32.22 | 44.37 |
| 32.33 | Maintenance of earthen mounds for one year including 27 No. waterings @ 4 waterings in the months of March, April, May and June, 2 No irrigations each in the month of February, October, November and December and one irrigation each in July, August and September. | sqm | 8.56 | 14.67 | 9.42 | 15.53 |
| 32.34 | Supplying decorative plants suitable for earthen pots size 30cm dia and 30cm deep(average size),and displaying outdoor including the cost of material pot and plant and planting etc. complete in all respects. | each | 3.89 | 300.59 | 4.28 | 300.98 |
| 32.35 | Supplying decorative plants suitable for earthen pots size 30cm dia and 30cm deep(average size),and displaying indoor, including the cost of material, pot, plant and planter etc. complete in all respects. | each | 3.89 | 2566.36 | 4.28 | 2566.75 |
| 32.36 | Maintenance of outdoor/indoor potted plants for one year including watering, application of fertilizer,neem cake and vermi compost manure etc. | each | 237.16 | 336.58 | 260.88 | 360.30 |