

TECHNICAL SPECIFICATIONS

1. Conditions for Ecosystem Management (Area Basis)

The Contractor shall carry out comprehensive maintenance of plantation on a total estimated area of 75000 Sq.m. basis for a period of 84 months from the date of award of work

Work shall be measured and paid per Sq.m. of plantation area maintained, irrespective of number of plants or manpower deployed.

1.1.1 Scope of Work

The rate per Sq.m. shall be inclusive of the following operations:

- Regular watering (manual/mechanical/irrigation system)
- Mulching and soil working
- Soil loosening up to 100 mm depth as required
- Supporting, staking and straightening of plants
- Trimming, pruning and shaping of trees and shrubs
- Removal of weeds and unwanted growth
- Application of insecticides, pesticides and fungicides
- Protection against insects, pests, diseases and fungus
- General upkeep to maintain healthy and aesthetic plantation

No separate payment shall be made for any individual activity listed above.

1.1.2 Manpower & Supervision (Contractor's Responsibility)

- The Contractor shall deploy adequate skilled, semi-skilled manpower and supervisors as required to maintain the plantation area satisfactorily.
 - Payment shall not be linked to manpower, but to Sq.m. area maintained.
 - Any deficiency in maintenance quality due to insufficient manpower shall attract penalties as decided by SRFDCL.
 - Contractor shall deploy adequate horticulture supervision for proper upkeep of the entire area.
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1.1.3 Pest, Termite & Soil Treatment

- Visual inspection for insect, pest and fungus attack shall be carried out at least once every 15 days.

- Anti-termite treatment and application of FYM/manure shall be carried out **minimum twice a year** or as instructed.

1.1.4 Seasonal Flower Plantation

- Seasonal flowering plants shall be planted as per season and instructions of SRFDCL. SRFDCL shall pay extra for the plant/tree supply as per BOQ rate.

1.1.5 Manure Application

- Well-decomposed manure shall be applied minimum twice a year or as instructed by SRFDCL.
- Cost of labour and application is included in the Sq.m. maintenance rate.

1.1.6 Replacement of Dead Plants / Trees

- If any plant/tree dies due to poor maintenance or negligence, replacement shall be done by the Contractor within 7 days, at no extra cost.
- If death occurs due to natural calamity or physical damage, SRFDCL shall pay extra for the plant/tree cost as per Annexure – Material Supply rate.
- Planting labour, transport, watering and maintenance remain contractor's responsibility without extra payment.

1.1.7 Irrigation System Operation

- Operation, routine monitoring and minor maintenance of the irrigation system is included in the Sq.m. rate.
- Contractor shall ensure uninterrupted irrigation to the entire plantation area.

1.1.8 Civil & Irrigation Repairs

- Contractor shall attend minor repairs immediately.
- Repair work shall be paid separately only if specified in BOQ and approved by Garden Dept., otherwise routine upkeep is deemed included in Sq.m. rate.
- Discipline and safety of workers shall be strictly maintained.

1.1.9 Damage Responsibility

Any damage to plantation, garden features, paths, irrigation lines or civil works during maintenance shall be **entirely at Contractor's risk and cost**.

1.1.10 Penalties

Inadequate resource deployment leading to sub-standard maintenance or absence of required Supervision – Rs.1000/- per Instance

Failure to provide the tractor vehicle or irregularities in waste disposal/transport. – Rs.2000/- per Instance.

2. Contractor's Scope of Work (Area-Based)

2.1 All costs including labour wages, tools, machinery, equipment and consumables required for maintenance of per Sq.m. plantation area shall be borne by the Contractor.

2.2 Arrangement of water supply and regular watering shall be done by the Contractor at his own cost. River water may be used where permitted.

2.3 Rates quoted per Sq.m. shall be inclusive of labour, materials, tools, overheads and profit.

2.4 All equipment required for maintenance shall be provided and maintained by the Contractor.

2.6 Contractor shall ensure that no damage occurs to existing services (water supply, electrical, civil works). Cost of any damage shall be recoverable from the Contractor.

2.7 If plantation is disturbed by other agencies, restoration shall be done as instructed by SRFDCL. Payment, if any, shall be decided by SRFDCL.

2.8 Contractor shall attend all review meetings and site inspections as directed.

2.9 Entire plantation area shall be kept healthy, properly watered and free from pests and diseases throughout the contract period.

3. Specifications for Supply of Materials (Measured Separately)

The quoted Bid Price covers only the scope of routine maintenance and it excludes material cost. Any materials supplied for replacement or gap filling or any other reason shall be separately reimbursed by SRFDCL as per actuals, in accordance with the Annexure, and independent of the primary contract value

3.1 Additional Labour.

Provided by SRFDCL in special occasions.

3.2 Supply of Good Quality Soil

Measured in **Cu.m.**, approved by SRFDCL, free from stones and debris.

3.3 Supply of Manure

Measured in **Kg / MT**, well composted, screened and approved by SRFDCL.

3.4 Supply of Plant & Other Material

Plants shall conform to approved height, spread and health standards.
Material Rate as per Annexure includes supply, transport, loading and unloading.
