

Bharat Heavy Electricals Limited

**High Pressure Boiler Plant
Tiruchirappalli – 620 014. India
Civil Engineering Department (Township)**

TENDER DOCUMENT (PRICE BID)	
Name of work	: Maintenance of minimal Horticulture works, cutting of dead and fallen trees/branches which are posing a threat to residents and related works at BHEL Township, Trichy
Tender Schedule No	: CT: TS: 005 / 20 - 21
Estimate Value of Work	: Rs. 12,00,000.00 + Applicable GST
EMD	: Rs. 24,000.00 (Rupees Twenty Four Thousand only)
Period of Contract	: 15 (Fifteen) Months
Date of Notification	: 12.10.2020
Last Date of Receipt of Tender	: 03.11.2020 @ 10:00 hrs.
Date of Tender Opening	: 03.11.2020 @ 10:00 hrs.

BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI - 620 014

SCHEDULE - A

Name of Work: **Maintenance of minimal Horticulture works, cutting of dead and fallen trees/branches which are posing a threat to residents and related works at BHEL Township, Trichy**

I / We _____ have read the condition of tender attached hereto and agree to abide by such conditions. I/We offer to execute the works in **CT: TS: 005 / 20 - 21** for a period of **15 (Fifteen) Months** at the percentage below / at par / above the rates contained in Bill of Quantities appended **below from Page 03**.

I / We further agree to sign an Agreement Bond to abide by the General Conditions of Contract and to carry out all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirappalli - 620 014. In case of acceptance of the tender by the BHEL, I/We bind myself/ourselves to execute the contract documents within 7 days after notice that my/our tender has been accepted and this contract has been awarded to me/us and thus failing which I/We shall have no objection to the forfeiture of the Earnest Money amount to **Rs. 24,000.00** lodged with Bharat Heavy Electricals Limited, Tiruchirapalli-620 014.

I / We further agree to include all tools & plants and consumables required for the work in my / our scope but required power and water will be provided at one point by BHEL at free of cost and based on this, we have quoted our percentage.

Note: Details & Quantities of each item of work shown in the BILL OF QUANTITIES are only approximate and the same is appended below. They are given as a guide for the purpose of tendering only and are liable to variation and alteration of the Competent Authority. The work under each item as executed shall be measured and priced at the overall percentage quoted by the contractor **Below (100-X) % / At par (100%) / Above (100+X) %** of the rates provided in Bill of Quantities appended below from **Page 03**.

Sl. No.	Approx. Value of work	Common single percentage rate, Below (100-X) % / At par (100%) / Above (100+X) % to be quoted with respect to the BHEL estimate rate provided in Bill of Quantities appended below from Page 03	
		In Figures	In Words
1.	Rs. 12,00,000.00 (Excluding GST) = 100%		

Note: BHEL estimate total 100% is given below. Contractor has to quote Common single percentage, Below (100-X) % / At par (100%) / Above (100+X) %, with respect to the estimate total in Bill of Quantities below, at page 2 both in figures and in words.

**CIVIL ENGINEERING DEPARTMENT - TOWNSHIP
BHEL / TRICHY-620 014**

BILL OF QUANTITIES

Name of work : **Maintenance of minimal Horticulture works, cutting of dead and fallen trees/branches which are posing a threat to residents and related works at BHEL Township, Trichy**

ITEM NO	BHEL SR No.	DESCRIPTION	Units	Rate (Rs. P.)
1	Similar to 0101A	Earthwork excavation (TRENCHES) in soils given below by mechanical means (Hydraulic excavator)/manual means and depositing the excavated earth at suitable places within the initial lead of 50 meter and initial lift of 1.5 meter for planting tree saplings, making compost pits or for any other horticultural works all as per standard specifications and instructions of Engineer-in-charge. All kinds of soil except rock.	M3	125.80
2	Similar to 0105	Surface dressing of the ground in all kinds of soil (excluding rock) including removing vegetation and inequalities not exceeding 15cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.	M2	8.70
3	0113	Labour charges for mixing the earth, red earth, sand, manure, coconut waste etc. thoroughly to the required proportion and carrying the same and filling it in the excavated pits/areas at various locations with all leads and lifts. Rate excludes cost of materials.	M3	85.90
4	0114	Ploughing the existing ground in all kinds of soil to a depth of 15 to 25 cm and watering the same.	M2	8.85
5	0115	Labour charges for breaking clods, consolidating, sectioning etc.	M3	2.90
6	0116	Forming turfing in slopes with initial watering, all as per instructions of Engineer-in-charge.	M2	92.95
7	0121	Clearing grass and removal of rubbish up to a distance of 50 metre.(works related to horticulture maintenance)	M2	2.30
8	0122	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth up to 30 cm measured at a height of 1 metre above ground level and removal of rubbish up to a distance of 50 metre. (works related to horticulture maintenance)	M2	4.50

ITEM NO	BHEL SR No.	DESCRIPTION	Units	Rate (Rs. P.)
9	0123A	Felling trees of girth (measured at a height of 1 metre above ground level) including cutting of trunks and branches, removing the roots from the soil and then filling the pit and depression, stacking of serviceable materials and disposal of unserviceable materials. Beyond 30 cm girth up to and including 60 cm girth(works related to horticulture maintenance)	Each	139.20
10	0123B	Felling trees of girth (measured at a height of 1 metre above ground level) including cutting of trunks and branches, removing the roots from the soil and then filling the pit and depression, stacking of serviceable materials and disposal of unserviceable materials. Beyond 60 cm girth up to and including 120 cm girth(works related to horticulture maintenance)	Each	613.65
11	0123C	Felling trees of girth (measured at a height of 1 metre above ground level) including cutting of trunks and branches, removing the roots from the soil and then filling the pit and depression, stacking of serviceable materials and disposal of unserviceable materials. Beyond 120 cm girth up to and including 240 cm girth(works related to horticulture maintenance)	Each	2,831.15
12	0123D	Felling trees of girth (measured at a height of 1 metre above ground level) including cutting of trunks and branches, removing the roots from the soil and then filling the pit and depression, stacking of serviceable materials and disposal of unserviceable materials. Above 240 cm girth(works related to horticulture maintenance)	Each	5,682.55
13	0901G	Supply and stacking the following to standard gauge at site of work, all as per instructions of Engineer-in-Charge. River sand (No voids) (works related to horticulture maintenance)	M3	450.55
14	0901H	Supply and stacking the following to standard gauge at site of work, all as per instructions of Engineer-in-Charge. Gravel / Red earth (No voids) (works related to horticulture maintenance)	M3	240.85
15	0901I	Supply and stacking the following to standard gauge at site of work, all as per instructions of Engineer-in-Charge. Earth (measured in stacks will be reduced by 20 % for payment) (works related to horticulture maintenance)	M3	207.30
16	0901J	Supply and stacking the following to standard gauge at site of work, all as per instructions of Engineer-in-Charge. Cattle manure (measured in stacks will be reduced by 8 % for payment) (works related to horticulture maintenance)	M3	371.75
17	1401A	Labour charges for carrying out the following. Scope includes all labour, relevant tools and plants required for the work, disposing off all the wastes, cut leaves etc. in the nearby areas within a lead of 100 metre etc. complete. All as per instructions of Engineer-incharge. Mowing of lawns neatly to uniform levels. (By means of blade/ mower)	M2	2.30

ITEM NO	BHEL SR No.	DESCRIPTION	Units	Rate (Rs. P.)
18	1401B	Labour charges for carrying out the following. Scope includes all labour, relevant tools and plants required for the work, disposing off all the wastes, cut leaves etc. in the nearby areas within a lead of 100 metre etc. complete. All as per instructions of Engineer-incharge. Cutting all types of hedges to the required and uniform height and width.	RM	3.85
19	1401C	Labour charges for carrying out the following. Scope includes all labour, relevant tools and plants required for the work, disposing off all the wastes, cut leaves etc. in the nearby areas within a lead of 100 metre etc. complete. All as per instructions of Engineer-incharge. Cutting and trimming topiary work for various shrubs, domes etc. to the required sizes, shapes etc. complete.	EA	15.05
20	1402	Conveying tree saplings / plants from BHEL and planting the same in the pits excavated (in the premises of BHEL), initial watering, forming bed etc., all as per instructions of Engineer-in-charge. Tree saplings / plants will be supplied at BHEL Nursery at free of cost. Rate includes conveyance, loading, unloading, lifting and planting, initial watering etc., complete.	EA	3.65
21	1403	Maintaining the shrub plants available at various locations in BHEL. Maintenance covers watering once in two days, weeding, mulching the top soil to a depth of 15 cm once in three months, making basin to proper size, manuring, cutting and trimming whenever necessary, cleaning the areas etc. complete. Replanting is also to be done as and when necessary. Rate includes all labour, tools, hose pipes, water carts, all incidentals etc. complete. All as per instructions of Engineer-in-charge. Required manure and plants will be issued by BHEL at Stores or Nursery at free of cost. Contractor has to transport the same to site of works.	EACH/ MONTH	2.70
22	1404	Maintaining the domes available at various locations in BHEL. Maintenance covers watering once in two days, weeding, mulching the top soil to a depth of 15 cm once in three months, making the basin to proper size, manuring, pruning/trimming topiary work once in a month, cleaning the areas, disposing off all wastes, cut branches, leaves etc. in the nearby areas within a lead of 50 metre etc. complete. Replanting is also to be done as and when necessary. Rate includes all labour, tools, hose pipes, water carts, all incidentals etc. complete. All as per instructions of Engineer-in-charge. Required manure and plants will be issued by BHEL at Stores or Nursery at free of cost. Contractor has to transport the same to site of works.	EACH/ MONTH	13.35

ITEM NO	BHEL SR No.	DESCRIPTION	Units	Rate (Rs. P.)
23	1405	Maintaining the hedges (upto a height of 1.50 m) available at various locations in BHEL. Maintenance covers watering once in two days, weeding, mulching the top soil to a depth of 15 cm once in three months, making basin along the hedges, manuring and cutting, pruning, trimming the hedges once in a month, cleaning the areas, disposing off all wastes, cut branches, leaves etc. in the nearby areas within a lead of 100 metre etc. complete. Replanting is also to be done as and when necessary. Rate includes all labour, tools, hose pipes, water carts, all incidentals etc. complete. All as per instructions of Engineer-in-charge. Required manure, hedge plants will be issued by BHEL at Stores or Nursery at free of cost. Contractor has to transport the same to site of works.	R.M / MONTH	1.65
24	1406	Maintaining rose beds at various locations in BHEL. Maintenance covers watering once in two days, weeding, mulching the top soil to a depth of 15 cm once in 15 days, making basin for rose plants, manuring, cutting and trimming whenever necessary, clearing the jungle, leveling the areas once in 15 days etc. complete. Replanting is also to be done as and when necessary. Rate includes all labour, tools, hose pipes, water carts, all incidentals etc. complete. All as per instructions of Engineer-in-charge. Required manure and plants will be issued by BHEL at Stores or Nursery at free of cost. Contractor has to transport the same to site of works.	SQM/ MONTH	2.25
25	1407	Maintaining and safeguarding the lawns including flower beds available at various locations in BHEL. Maintenance covers watering once in two days, periodical weeding, mowing, scraping, raking, replacing flower beds, mulching the top soil and forming basins etc. all once in 45 days, manuring, cleaning the areas, disposing off all wastes, dried leaves etc. in the nearby areas within a lead of 100 metre etc. complete. Re-lawn is also to be done as and when necessary. Rate includes all labour, tools, hose pipes, water carts, all incidentals etc. complete. All as per instructions of Engineer-in-charge. Required manure, plants and grass will be issued by BHEL at Stores or Nursery at free of cost. Contractor has to transport the same to site of works.	SQM/ MONTH	1.65
26	1408	Maintenance and protection of avenue tree plants/coconut tree seedlings etc. available at various locations in BHEL. Maintenance covers watering once in two days, protecting the plants from cattle menace and theft by providing thorny fencing, periodical weeding, maintaining the area free from other vegetation growth, mulching the top soil and forming basin, manuring, cleaning the area etc. complete. Rate includes all labour, tools, hose pipes, water carts, all incidentals etc. complete. All as per instructions of Engineer-in-charge. Required manure and plants will be issued by BHEL at Stores or Nursery at free of cost. Contractor has to transport the same to site of works.	EACH/ MONTH	6.75

ITEM NO	BHEL SR No.	DESCRIPTION	Units	Rate (Rs. P.)
27	1409	Maintaining the potted plants available at Nursery and other locations by watering once in two days, mulching and weeding the soil once in a fortnight, application of manure/fertilizer/pesticides as and when required (normally three times in a year) pruning and shaping as and when required, repotting the plant once in a year, replacement of broken pots (pots and plants will be supplied by BHEL), propagation of different species of pots as directed etc. complete. Rate includes all labour, tools, hose pipes, water carts, all incidentals etc. complete. All as per instructions of Engineer-in-charge. Required manure / fertilizer / pesticides, pots and plants will be issued by BHEL at Stores or Nursery at free of cost.	EACH / MONTH	2.70

Mentioned rates excludes GST %

Note:

1. Actual Bill of Quantities (Items with quantity to do the work) will be provided in the sub work order only.