

Bharat Heavy Electricals Limited
High Pressure Boiler Plant
Tiruchirappalli – 620 014. India
Civil Engineering Department (Township)

TENDER DOCUMENT (PRICE BID)

Name of work : Sewer line and Manhole Cleaning including repairing of damaged manholes in BHEL Township Trichy-14

Value of work : **Rs.8.14 Lakhs + Applicable GST**

Tender Schedule No. : **CT:TS:045/20-21**

Period of Contract : **12 (Twelve) Months**

EMD : **Rs 16,300.00/-**

Issued to :

**BHARAT HEAVY ELECTRICALS LIMITED
TIRUCHIRAPALLI - 620 014**

SCHEDULE - A

Name of Work: Sewer line and Manhole Cleaning including repairing of damaged manholes in BHEL
Township Trichy-14

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 **T.S No. CT:TS:045/20-21 for a period of 12 (Twelve) 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 carryout all works according to the specifications for materials and works of Bharat Heavy Electricals Limited, Tiruchirapalli-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.16,300/-** 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 total provided in Bill of Quantities appended below from Page 03	
		In Figures	In Words
1.	Rs. 8.13 Lakhs (Excluding GST) = 100%		

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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.

BHEL / TRICHY-620 014 , CIVIL ENGINEERING DEPARTMENT-FACTORY

BILL OF QUANTITIES

Name of work : Sewer line and Manhole Cleaning including repairing of damaged manholes in BHEL Township Trichy-14

ITEM NO	SR No	DESCRIPTION	Units	BHEL Rate
10	101A	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 1.5meter for foundation in building works, roads, narrow drains, sewers, bridges, pipe lines etc., sectioning the subgrade to proper level and grade, watering and consolidating the subgrade to receive concrete bed, all as per standard specifications and instructions of Engineer-in-charge. All kinds of soil except rock pertaining to sewer line and manhole cleaning works.	CUM	125.80
20	112	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering, lead upto 50 m and lift up to 1.5 m etc. complete pertaining to sewer line & manhole cleaning work.	CUM	78.90
30	121	Clearing grass and removal of rubbish upto a distance of 50 metre. pertaining to sewer line & manhole cleaning work.	SQM	2.30
40	122	Clearing jungle including uprooting of rank vegetation, grass, brushwood, trees and saplings of girth upto 30 cm measured at a height of 1 metre above ground level and removal of rubbish upto a distance of 50 metre. pertaining to sewer line & manhole cleaning work.	SQM	4.50
50	1147A	Cleaning and complete removal of all the obstructions/blockage accumulated such as silt, sand, debris, all other wastes etc. from manhole and disposing the same in the nearby low level areas. Scope includes opening the manhole cover, removing all the blockage such as silt, sand, debris, all other wastes etc., lifting, disposing the same in the nearby low level areas, all labour, tools, repositioning the manhole cover after finishing the job etc.complete. A . Manhole upto 1.50 metre depth	EACH	168.50

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60	1147B	Cleaning and complete removal of all the obstructions/blockage accumulated such as silt, sand, debris, all other wastes etc. from manhole and disposing the same in the nearby low level areas. Scope includes opening the manhole cover, removing all the blockage such as silt, sand, debris, all other wastes etc., lifting, disposing the same in the nearby low level areas, all labour, tools, repositioning the manhole cover after finishing the job etc.complete. B. Manhole beyond 1.50 but upto 3.30 metre depth	EACH	378.40
70	1148	Cleaning the sewer line in all depths between manhole to manhole and complete removal of all the obstructions/blockage accumulated such as silt, sand, debris, all other wastes etc. by means of blockage removal machine attached with sewer cleaning rod etc. and disposing the same in the nearby low level areas. Scope includes opening the manhole cover, removing all the blockage such as silt, sand, debris, all other wastes etc., lifting, disposing the same in the nearby low level areas, all labour, tools, repositioning the manhole cover after finishing the job etc.complete. Blockage removal machine attached with sewer cleaning rod for the job will be issued by BHEL at stores at free of cost.	RM	16.80
80	1001A1	Dismantling / removing / demolishing as the case may be of the following by manually/mechanical means and carefully stacking the serviceable materials at site of work or conveying and handing over the same at BHEL stores and disposal of unserviceable materials by transporting and dumping in the nearby low level areas within a lead of 100 metres. All as per instructions of Engineer-in-charge. Brick work in cement mortar	CUM	530.25
90	0310C	Brick work with F.P.S bricks (second class ground moulded chamber bricks) of class designation 50/75 in foundation and plinth in: Cement mortar 1:5	CUM	3720.10
100	0801B	Plastering with cement mortar as per standard specifications. In cement mortar 1:4, 12mm thick	SQM	93.05
110	0201H	Providing and laying in position plain cement concrete of specified grade including consolidation, curing etc. complete, all as per standard specifications. All works upto plinth level. Rate excludes cost of centring and shuttering. 1:4:8 with graded stone aggregate 20 mm nominal size.	CUM	2117.30

Note: Mentioned rates excludes GST% and Quantity of work will be given in work order

Total :Rupees Eight Lakhs Thirty One Thousand Nine Hundred and Ten only

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