

TENDER

(NIT NO. TA/TCL/**08**/20-21)

FOR

**HYGIENICAL MAINTENANCE OF SEWERAGE
SYSTEM IN BHEL TOWNSHIP, BHOPAL.**

PRICE BID

SECTION - VI



**TOWNSHIP CIVIL MAINTENANCE
BHARAT HEAVY ELECTRICALS LIMITED**

**(A Government of India Undertaking)
BHOPAL - 462 022 (M.P)**

PREAMBLE OF PRICE BID

1.0. This Price Bid consists of three Schedules:

1.1 Schedule A

Schedule A consists of three Annexures:

1) Annexure-I includes items based on Previous work order, Rate analysis & Budgetary offers.

Bidders are requested to quote their rates in Percentage above/below/at Par for Annexure-I.

2) Annexure-II - Scope of work.

3) Annexure-III – Tools & Plant.

1.2 Schedule B

Schedule B gives the details of free issue materials given by BHEL.

1.3 Schedule C

Schedule C gives the details of Tools & Tackles provided by BHEL on Chargeable Basis.

2.0 The work to be carried out under the contract shall, except as otherwise provided in tender conditions, include all labour, materials, tools, plant, equipment, and transport which may be required in preparation of and for full & entire execution and completion of the Works. The descriptions given in the Schedule of Quantities shall, unless otherwise stated, be held to include waste on materials, carriage and cartage, carrying in return of empties, hoisting, setting, fitting and fixing in position and all other labours necessary in and for the full and entire execution and completion as aforesaid in accordance with good practice and recognized principles as laid down in Technical Specification & elsewhere in Tender Specification.

3.0 The price bid should not contain any condition. Conditional price Bids shall be summarily rejected.

4.0 The bidder should not leave any column blank in Price Schedules.

5.0 Price Quoted shall include all taxes, & duties except GST.

6.0 **Unless otherwise specified in the items involving cement or reinforcement steel, these items shall be issued free of cost by BHEL.**

**TOWNSHIP CIVIL MAINT. & CONST. DIVISION****SCHEDULE 'A'****Annexure: I****Name of work : Hygienical maintenance of sewerage system in BHEL Township,**

S.No	Description of items	Qty.	Unit	Rate (Rs)	Amount (Rs)	Weightage
1	Hygienical maintenance of complete sewerage system as described in scope of work except trunk sewer lines by deploying adequate manpower with all required tools and tackles etc. complete as per direction of the Engineer-in-charge.	12.00	month	89,336.72	10,72,040.64	66.39%
2	Deployment of truck mounted suction-cum-jetting machine having total capacity (suction+jetting) not less than 5,000.00 Ltr as and when required for resolving the complaints in time as per direction of Engineer In-Charge.	450.00	Hour	876.07	3,94,231.50	24.42%
3	Cleaning of choked Trunk sewer line(s) in between two adjacent manholes with all required labour, tools & tackles such as cleaning rods, rope, tasla, panjar, buckets, sludge pump etc. complete as per direction of Engineer-in-charge.					
(i)	Segment having length upto 30 meters	60	Segment	1,408.00	84,480.00	5.23%
(ii)	Segment having length above 30 meters and upto 60 meters	40	Segment	1,600.00	64,000.00	3.96%
				Total	16,14,752.14	100%

Percentage quoted by the Contractor	%	Above	Below	At Par
Percentage quoted by the Contractor in words				

Note:-

- The contractor is advised to visit the site of work to have general acquaintance with the site condition before quoting his rate.
- The work shall be split amongst a maximum of two qualified bidders in percent ratio of 60:40. 60% work shall pertain to Barkheda plus Govindpura Neighbourhoods of BHEL Township, while 40% share of work shall pertain to Piplani plus Habibganj Neighbourhoods of BHEL Township. During splitting between two parties, the lowest party (L1) shall be given 60% of the overall total quoted amount while the other party accepting counteroffer at L1 rate shall have 40% share of overall total quoted amount.
Item wise further distribution amongst the four items of price schedule in case of each party shall be as under:
For 60% work: 60 % of overall total quoted amount shall be distributed amongst the four items of price schedule in the same ratio as that worked out as per the estimate. In the present case, this ratio is 66.39 : 24.42 : 5.23 : 3.96.
a) Item no 1: The amount of item no 1 shall be worked out after reducing 60% of overall total quoted amount to 66.39 % of it. (i.e. ratio of item no 1 in the estimate).
The rate of item no 1 shall be arrived at by dividing its amount by 12.
b) Item no 2: The amount of item no 2 also shall be worked out in exactly the same manner as mentioned above (i.e. ratio of item no 2 in the estimate).
The quantity of item no 2 shall be arrived at after reducing total quantity of 450 hours to 60% of it.
The rate of item no 2 shall be arrived at after dividing its worked out amount by its above said reduced quantity.
c) Item no 3 (a) : The amount of item no 3(a) shall be worked out after reducing 60% of overall total quoted amount to 5.23 % of it.
The rate of item no 3(a) shall be arrived at by dividing its amount by 60.
d) Item no 3(b) : The amount of item no 3(b) shall be worked out after reducing 60% of overall total quoted amount to 3.96% of it.
The rate of item no 3(b) shall be arrived at by dividing its amount by 40.
- The same modality shall be adopted for item wise further distribution of 40% work also.

3.	The contractor shall provide and ensure use of all safety equipments, PPEs (personnel protective equipments) such as helmets, safety gloves, gum boots, safety ladder etc. by his workmen. The workman deployed by the contractor shall wear proper uniform (to be provided by contractor) carrying the contractor's name for proper identification.			
4.	The contractor shall follow all the safety norms to ensure safe working condition in Township.			
5.	The contractor shall deploy sufficient man power at any time / any day including Sundays/holidays (in case of emergency) and as per the instructions of engineer -in- charge.			
6.	The contractor shall at his own cost, arrange all mechanical equipments /machineries on requirement basis as per the instruction of Engineer Incharge.			
7.	The contractor shall deploy the "truck mounted suction-cum-jetting machine having total capacity (suction+jetting) not less than 5,000.00 Ltr" as and when required for resolving the complaints in time as per Item No.2 of annexure I .			
8.	If there is flooding during monsoon, the contractor shall attend to the problem on priority. Extra work force as instructed by Engineer Incharge shall be deployed by the contractor at no extra cost over and above the awarded rate failing which BHEL will get the work done through other agency at risk and cost of the contractor or take other punitive measures as deemed fit.			
9.	The contractor may have to deploy more than one pumps of designated capacity at a time if so required at no extra cost over and above the awarded rate.			
10.	The above work is for 12 months in which there is no price variation clause (PVC) applicable. Contractors are advised to take note of the above before quoting their rates.			
11.	Whenever sewage is manually cleaned, contractor shall ensure deployment of tools & tackles not less than those prescribed in Annexure-III. In case the contractor fails to deploy adequate tools & tackles, it shall be supplemented by BHEL subject to availability. In such case, double the procurement cost of tools & tackles or cost assessed by BHEL shall be recovered from the contractor's bill(s).			
12.	Penalty against daily/routine complaints :-			
	Planning of man power deployment shall be done by contractor with Engineer Incharge in such a way that all daily / routine complaints are resolved within 24 hours. In case daily / routine complaints could not be attended by the contractor within 24 hours as stated above, an amount shall be recovered from the bill(s) as under:			
a)	Per day rate shall be arrived at from the monthly rate of Item-1, Annexure-I (e.g. per month rate / 30 days)			
b)	Percentage of non resolved complaints (within 24 hours) will be derived (e.g. suppose Total received complaints= 100 nos, resolved complaints= 75 nos, non resolved complaints= 25 nos. Hence, percentage of non-resolved complaints is 25%)			
c)	The amount will be calculated for non performance of works as under;			
	<div>Amount to be deducted per day =</div>	1.5 X	(Quoted rate per month for ItemNo 1 of Price Schedule/30 days)	X % of non resolved complaints *
*	Previous non resolved complaints shall add up in next day complaints as a fresh complaint.			
#	24 hours shall be reckoned from the time of receipt/ registration of complaint upto the end of office hours next day irrespective of sunday or holiday. This shall be applicable for daily/routine complaints only			
d)	The above deduction will be applicable for all daily / routine complaints. All major complaints are excluded from the above deduction. Nature of complaints whether daily / routine or major complaints shall be analyzed/determined by Engineer Incharge at his discretion. His decision shall be final and binding on the contractor in this regard.			
e)	To ensure resolution of complaints within 24 hours from the time of registration of complaint, the contractor may be required to work even on Sundays/Holidays without any extra cost over and above the awarded rate.			
f)	Once a problem is attended, it shall not be repeated in a month. If it recurs, payment shall not be released untill problem is completely resolved. If such a thing is repeated thrice in a month, double the awarded rate shall be deducted proportionately from the contractor's bill.			
13	Penalty against trunk line complaints :-			
	The contractor shall ensure cleaning of trunk sewer line having diameter of pipe above 300 mm including cleaning of manhole chambers within 72 hours on as and when required basis as per instructions of Engineer-in-charge failing which penalty @10% of the awarded rate of this item per segment shall be imposed on him for each day delayed.			
	Depending upon criticality of the problem, Engineer-in-charge may, at his discretion, get the work done at the contractor risk and cost if the contractor fails to attend/resolve the problem with 72 hours after its reporting to him. Once a problem is attended, it shall not be repeated in two months. If it recurs, payment shall not be released until the problem is completely resolved. If such a thing is repeated twice in two months, double the awarded rate of the item shall be deducted from the contractor's bill.			

		ANNEXURE-II
	<u>Scope of work</u>	
Name of work : Hygienical maintenance of sewerage system in BHEL Township, Bhopal.		
The scope of work shall, broadly, include but not be limited to the following activities:-		
1	Removal & clearing of chokages from WC, Bathroom, Kitchen, Wash Area including all connecting lines, house chambers, removal of Manhole Chamber cover, placing it again on manhole after completion of work and removal of debris to a distance up to 100 meters etc. complete to the satisfaction of Engineer In-charge.	
2	Removal & clearing of chokages from Nahani Trap, Gully Trap including all connecting sewer lines, house chambers etc. as per requirement including removal of debris to a distance up to 100 meters etc. complete to the satisfaction of Engineer In-charge.	
3	Removal/clearing chokages with de-silting of manholes of all sizes & depths in sewer line having diameters starting from 4" to 12" including clearing chokages of sewer line between two successive manholes to ensure free flow of sewage including disposal of debris to a distance up to 100 meter etc. complete to the satisfaction of the Engineer In-charge.	
4	Removal & clearing of chokages from Wash Basin, Sink, including removal and refitting of waste pipes where ever required and removal of debris to a distance up to 100 meters etc. complete to the satisfaction of the Engineer In-charge.	
5	The contractor shall ensure cleaning of trunk sewer line having diameter above 300 mm including cleaning of concerned connected manholes on as and when required basis as per instruction of Engineer In-charge.	
	The above scope may undergo minor changes based on final requirement.	
	All allied enabling activities shall also be deemed to be a part of the above scope of work.	
Signature of Contractor		

		<u>ANNEXURE-III</u>
	<u>Tools & Plants</u>	
Name of work : Hygienical maintenance of sewerage system in BHEL Township, Bhopal.		
S.No.	Tools & Plants	Quantity
1	Cleaning Rod:-	Minimum 2 sets for each N'hood
2	Pick axe	Minimum 4 Nos for each N'hood
3	Spade	Minimum 4 Nos for each N'hood
4	Rope (1" dia of 100 meter length)	Minimum 2 Nos for each N'hood
5	Crow Bar	Minimum 4 Nos for each N'hood
6	Bucket	Minimum 4 Nos for each N'hood
7	Tasla	Minimum 4 Nos for each N'hood
8	Water filled tanker with hose pipe(3000 liter Capacity) for flushing operation	As per requirement
9	Sludge Pump 5 H.P.	Minimum 1 No
<p>Note : Any other tools & tackles required for smooth execution of work under scope shall also be deployed by the contractor for which nothing extra shall be payable to him over & above his quoted rate.</p>		
Signature of Contractor		

SCHEDULE – “B”								
Name of work : Hygienical maintenance of sewerage system in BHEL Township, Bhopal.								
-----NIL-----								
SCHEDULE – “C”								
-----NIL-----								
Signature of Contractor								