



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00



TENDER DOCUMENT for Works Contract

For Tender Enquiry No.: TCX/TW/23/11

For

“Disposal of Domestic Garbage with facility of Door-to-Door Garbage Collection and cleaning and other sanitary activities in BHEL Township for 1 year.”

THE BIDDERS, WHO HAD SUBMITTED THEIR OFFER IN PREVIOUS TENDER, NEED NOT TO SUBMIT AGAIN, BUT TO VALIDATE THEIR OFFER AND CAN SUBMIT PRICE BID (IF ANY CHANGE IN PRICE).

Contact Person:

Name : Ms Monika

Sr.Manager (CMM)

Email : monikav@bhel.in

PH : 0510 – 241 – 2414

Tender Due Date : 14/03/2024 at 13 :15 Hrs

Tender Opening Date : 14/03/2024 at 14 :00 Hrs

**Material Management Department
BHEL, PO : BHEL, Jhansi 284120 (UP)**



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TD: 2023-24, REV- 00

Detail of Bidder and Documents to be submitted along with Technical Bid

Please number your documents in continuation with tender documents at bottom (footer) of page.

S.No.	Particular	Detail	
1.	Name of the firm		
2.	Name of the Proprietor/Partners		
3.	Address		
4.	Mobile No.		
5.	E-mail ID		
Essential Documents			
	Particular	Detail	Page No
6.	Acceptance of Terms & conditions Signature on all pages without conditions of contractor	Submitted/ Not submitted	
7.	Copy of PAN card	PAN No-	
8.	Copy of GST registration	GST No-	
9.	Self declaration as per as per annexure V of GTC .	Submitted/ Not submitted	
10.	Copy of ESI Registration	ESI No-	
11.	Blank price bid format duly signed by the contractor.	Submitted/ Not submitted	
12.	Work Experience i. Work Order ii. Completion Certificate iii. Bill of Quantity Relevant TDS/TRACES (in case of Experience in private sector)	Submitted/ Not submitted	
13.	Copy of turn over and income tax return for last three year i. 2020-21 ii. 2021-22 iii. 2022-23	Submitted/ Not submitted	
14.	Reciept of EMD deposition	Amount:	
15.	Copy of ownership of firm	Submitted/ Not submitted	



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TD: 2023-24, REV- 00

16.	Self-declaration to avoid cartel formation on their letter head as per the Format enclosed in Annexure A.	Submitted/ Not submitted	
17.	Reciept of tender fees deposition	Amount	
18.	Copy of PF registration	PF No-	

We will fulfill all the obligations of the contract and abide by the terms & Conditions mentioned in the enquiry.

Date : -

Signature With Name & Seal

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



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TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

TABLE OF CONTENTS

PART I: TECHNO-COMMERCIAL BID

Sl no	Section	Page No.
1.	TENDER ENQUIRY NO	01
2.	DETAIL OF BIDDERS & DOCUMENTS TO BE SUBMITTED	02-03
3.	TABLE OF CONTENT	04
4.	NOTICE INVITING TENDER	05-08
5.	BRIEF DESCRIPTION OF WORK	09-12
6.	QUALIFYING CRITERIA	13-15
7.	GENERAL TERMS AND CONDITIONS OF ENQUIRY	16
8.	SPECIAL TERMS AND CONDITIONS OF ENQUIRY	17
9.	TECHNICAL TERMS AND CONDITIONS OF ENQUIRY	18-22
10.	FREE ISSUE MATERIALS	23
11.	BLANK PRICE BID	24-31
12.	ANNEXURE A	32
13.	ANNEXURE (I-XII)	33

PART II: PRICE BID

(Separate envelope)

Sl No.	Section	Page No.
1.	PRICE BID	34



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

NOTICE INVITING TENDER



NOTICE INVITING TENDER



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TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

S. No.	Particulars	Details
1.	Name of work	Disposal of Domestic Garbage with facility of Door-to-Door Garbage Collection and cleaning and other sanitary activities in BHEL Township for 1 year.
2.	Tender Evaluation Criteria	As per GTC issued by “Central Contracting Cell” and Tender Documents.
3.	Duration of the Contract	12 months
4.	Last date of receipt of the Tender	(As on page # 1)
5.	Date of opening Tender	(As on page # 1)
6.	Address for submitting the tender	(As on page # 7)
7.	Earnest Money Deposit (EMD)	Rs. Nil
8.	Cost of tender (Non refundable)	Rs. Nil
9.	Validity of Offer	120 days from the date of Techno- commercial (Part-I) bid opening date
10.	Defect liability period	NIL
11.	Reverse Auction	RA will not be conducted for this tender

Note: The EMD may be accepted only in the following forms:

(i) Electronic Fund Transfer credited in BHEL account (before tender opening)

BHEL account details: Bank Name: - SBI; A/c No.:- 10670828866 ; IFSC Code:- SBIN0003807 A/c Holder Name:- BHARAT HEAVY ELECTRICALS LIMITED

(ii) At BHEL cash office through POS machine **No Demand Drafts shall be accepted.**

The contractors may physically visit the work place before quoting their rates. For relevant details, please visit our website “www.bhel.com” & “www.eprocure.gov.in”

Note: BHEL takes no responsibility for any delay / loss of documents or correspondence sent by courier or post. Late tenders shall be rejected outright.

The techno-commercial bid comprising (i) all its sections, (ii) all enclosures in support of various clauses and requirements and (iii) EMD, shall be duly signed and placed in a sealed envelope boldly super-scribing **“PART-I TECHNO COMMERCIAL BID FOR “Disposal of Domestic Garbage with facility of Door-to-Door Garbage Collection and cleaning and other sanitary activities in BHEL Township for 1 year“.**



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TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

Similarly, the Price-bid must be duly signed and placed in a sealed envelope boldly super-scribing **"PART-II PRICE BID FOR "Disposal of Domestic Garbage with facility of Door-to-Door Garbage Collection and cleaning and other sanitary activities in BHEL Township for 1 year "**.

Both these envelopes shall be placed inside 3rd sealed envelope duly signed super-scribing boldly **"Disposal of Domestic Garbage with facility of Door-to-Door Garbage Collection and cleaning and other sanitary activities in BHEL Township for 1 year "**. and sent in a sealed envelope.

The tender shall be addressed to as follows:

Ms Monika

Sr.Manager (CMM)

Email : monikav@bhel.in

PH : 0510 – 241 – 2414

Sealed Tenders can be submitted (i) personally, (ii) by Courier, or (iii) by post.

If submitted personally

Tender Box

Security Control Room/Office

Administrative Building

Bharat Heavy Electricals Limited

Jhansi-284120 (U P)

Or if sent through Courier / Post

Office of

Ms Monika

Sr.Manager (CMM)

Material Management Department

Email : monikav@bhel.in

BHEL, JHANSI - 284120

PH : 0510 – 241 – 2414

Part-I Techno Commercial bid:

Part I of the sealed tenders alone will be opened by BHEL in the presence of tenderers who are present at the time & place of opening. A signed blank price-bid copy should be enclosed with this bid. The spaces for prices should be crossed (x)

Part-II Price bid:

The price bid should contain prices only. Price bid will be opened only for the parties who qualify in techno commercial bid.



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TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

TO BE SIGNED BY THE TENDERER

Certified that all Sections of the Tender have been read / complied & agreed to, and each page of the tender offer has been signed & stamped.

(Signature of Authorized person(s))

BRIEF DESCRIPTION OF WORK / SCOPE OF WORK

The work to be carried out has been divided in 15 different items of work and has been scheduled in the BOQ as below:

<u>S.No.</u>	<u>Description of Items</u>	<u>Qty.</u>	<u>Unit</u>
---------------------	------------------------------------	--------------------	--------------------

8

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



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TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

Part "A"			
1	Collection & Disposal of Domestic garbage by mechanical means including loading & unloading upto a lead of 3.6 kilometers as below-	1008.00	Trip
	(a) From dustbins including brooming around dustbins as per direction of engineer-in-charge.		
	(b) From Haat markets (Weekly market)		
	(c) Removal/disposal of dead unhorned/horned animals from Townships per requirement and direction of Engineer-In-charge.		
	(d) Picking and disposal of light weight scattered material like polythene, paper, card board, packing material, dead trees & plants, leaves etc. within a area of specified in township as directed by Engineer Incharge.		
	(e) From all marriage gardens / places situated in BHEL permissess as per their booking status.(Department will inform to contractor about the booking status of marriage gardens/ places sepreatly.)		
Part "B"			
<u>S.No.</u>	<u>Description of Items</u>	<u>Qty.</u>	<u>Unit</u>
2	Collection of garbage from all houses from township on all working days in a month. The contractor will deploy 1 LCV (Light commercial vehicle four wheeled)/Tractor with trolley (commercial)/Four wheeler goods carrier fitted with loudspeaker and along with driver & necessary workers to collect the garbage from all houses of township. The collected garbage will be disposed off at designated location in township up to lead 5 KM. The work will be done as per direction of Engineer-In-Charge.	304.00	Per day
3	Supply of 3D hydraulic excavator machine on requirement basis as directed by Engineer-in-charge.	30.00	Hrs.
Part "C"			
<u>S.No.</u>	<u>Description of Items</u>	<u>Qty.</u>	<u>Unit</u>



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

4	Cleaning and sweeping in township roads, around quarters & public building as per requirement. The payment shall made on the basis of measurement in per 100 sq. mtr. The measurement shall be recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	215000.00	100 sq.m
5	Cleaning of chambers adjacent to the building (approx size 600 X 600mm and up to 600mm depth) in all respect including collection of all rubbish, mud, roots or any other item that are chocking the sewer line. The payment shall made on the basis of measurement in Nos.recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	500.00	Nos.
6	Cleaning of manhole chambers along main sewer line (approx size 1000 X 1500X3000mm depth) in all respect including collection of all rubbish, mud, roots or any other item that are chocking the sewer line. The payment shall made on the basis of measurement in Nos.recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	150.00	Nos.
7	Cleaning of manhole chambers along branch sewer line (approx size 600X600X900mm depth) in all respect including collection of all rubbish, mud, roots or any other item that are chocking the sewer line. The payment shall made on the basis of measurement in Nos.recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	150.00	Nos.



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

8	Cleaning of main Sewer line (running at 3000mm depth of 300mm dia) by roding (or sewer cleaning machine electrically operated provided by BHEL as per requirement) in all respect. The cleaning shall be done for removing all rubbish, mud, roots or any other item that are chocking the sewer line.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	5000.00	Meter
9	Cleaning of connecting sewer line (running at 600mm depth of 100mm dia) by roding by hand or chock remover in all respect. The cleaning shall be done for removing all rubbish, mud, roots or any other item that are chocking the sewer line.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	1200.00	Meter
10	Cleaning of inside building sanitary pipe line 100mm for wc sheet to man hole (approximate maximum length 10 feet for GF or FF floor 20 feet) by all respect by chock remover or through wire or any other item as per requirement etc.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	1800.00	Nos.
11	Cleaning of inside building sanitary pipe line 50mm for wash basin, bathroom and kitchen man hole (approximate maximum length 10 feet for GF or FF floor 20 feet)by all respect by chock remover or through wire or any other item as per requirement etc.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified daily by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	900.00	Nos.



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

12	Cleaning / washing of toilet (Approx maximum size 2000mm X 2000mm) including floor/walls/tiles wc sheet flushing cystem, exhaust fan, ventilators celling, wall above the tiles and all items inside the toilet for public building / BHEL house / GM residence / required building. (All consumable items for cleaning work shall be provided by BHEL free of cost)	2800	Nos.
13	Cleaning of soak pit (approx size 1500mmX2100X1500mm depth) in all respect including collect all rubbish, mud, roots or any other item.The payment shall be made on the basis of measurement in nos. recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	30.00	Nos.
14	Cleaning of oxidation pond and removing the vegetation and sludge (upto 300 mm depth) and disposal of waste material up to 500 m and stacking of sludge at appropriate place as per the instruction of Engineer-in-charge. (All tools & plants to be provided by Contractor)	3500.00	sqm
15	Operation of sludge pump on daily basis (including recording reading in log book and submit to Deptt. & maintain the power supply for motor pumps) and cleaning of approach path of oxidation pond and sump area, as per direction of Engineer in charge. (All tools & plants to be provided by Contractor)	365.00	Per day



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TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

QUALIFYING REQUIREMENTS

Sl No	Description of Requirement
1	Copy of PAN Card to be submitted.
2	Copy of GST Registration to be submitted.
3	Self-Declaration undertaking duly signed with stamp of the bidder on letter Pad of contractor to be submitted.
4	Copy of independent ESI Registration.
5	Signed copy of Blank Price Bid.
6	<p>Work Experience:</p> <p>Bidder should have experience of executed similar work during last 7 years ending the month previous to the month of issuing tender enquiry either of the following: -</p> <p>FOR NON MSE REGISTERED BIDDERS:</p> <p>a. Three similar works each valuing not less than the amount equal to Rs. 7,33,473/- or</p> <p>b. Two similar works each valuing not less than the amount equal to Rs. 9,16,841/- or</p> <p>c. One similar works each valuing not less than the amount equal to Rs. 14,66,946/-</p> <p>FOR MSE REGISTERED BIDDERS (MSE bidders have to submit valid UDYAM certificate):</p> <p>a. Three similar works each valuing not less than the amount equal to Rs. 1,83,368/- or</p> <p>b. Two similar works each valuing not less than the amount equal to Rs. 2,29,210/- or</p> <p>c. One similar works each valuing not less than the amount equal to Rs. 3,66,737/-</p> <p>Executed Similar Work means any service or works contract of requisite value even if the contract has not been completed or closed (in any PSU / CPSU / State govt. / Central Govt./ Private sector) involving housekeeping /sanitation / garbage disposal / door to door garbage collection works/ civil constructions/Renovation/Maintenance works.</p> <p>Note: i. Documentary proof (Completion Certificate and WO/PO/LOI) & TDS (Traces from 16A) submission for experience in PSU / CPSU / State govt. / Central Govt./</p>



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TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

	<p>Private sector for successful execution of the requisite value is to be submitted. In case experience is submitted for work done in BHEL, Tax Invoice/TDS certificate is not required.</p> <p>ii. If contractor has submitted the experience for running contract, the completed value under the contract should be as per our above-mentioned tender requirement. The relevant documents certified from the concerned agency/department shall be submitted for verification by BHEL. Experience document for work done in BHEL has to be strictly as per the Corp. SS&P Circular no 34 Dated 02.01.2021</p> <p>iii. MSE bidders have to submit valid UDYAM certificate.</p>
7	<p>Turnover criteria:</p> <p>Average Annual financial turnover during the last 3 years ending 31st March 2023, should be at least Rs.5,50,105/- (FOR NON MSE BIDDERS) and Rs.1,37,526/- (FOR MSE BIDDERS). (Bidder to attach audited balance sheet and Profit & Loss Account of last three financial years, ending 31st March 2023, or Certificate of CA as proof of financial T/o for respective years). If T/o details of 3 years are not available, then available years T/o shall be evaluated by dividing it by 3.</p> <p>Note-1: Benefits under Start Up Scheme: Considering critical quality aspects and technical specification implications for the work, no relaxation shall be given to Start-up bidders on account of turnover criteria & prior experience.</p>
8	<p>The documents required for legal entities under whose name and style contractor has participated in the tender are as follows:</p> <p>(i) Partnership Firm: Partnership Deed & registration certificate issued by office of registrar of Firms.</p> <p>(ii) Company: Certified copy Memorandum of Association, Article of Association and Incorporation Certificate.</p> <p>(iii) Society: Registration certificate issued by Registrar of societies.</p> <p>(iv) Sole Proprietor-ship: Undertaking on oath (Rs. 100 stamp paper) that Proprietor is solely responsible for all rights and liabilities while working under the name and style of Sole Proprietorship firm namely (_____)</p>
9	<p>Bidders are required to submit a self-declaration to avoid cartel formation on their letter head as per the Format enclosed in Annexure A.</p>



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

10	EMD.....Nil
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TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

GENERAL TERMS AND CONDITIONS OF ENQUIRY (JHS 2055C R02)

UPLOADED IN SPERATE FILE -PAGE NO 01 TO 14

(To be signed by contractor and submitted along with bid.)



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

SPECIAL TERMS AND CONDITIONS OF CONTRACT

1. Taxes & Duties- As per GTC for Work Contracts (JHS2055C R02) issued by “Central Contracting Cell”
2. Payment Terms- As per GTC for Work Contracts (JHS2055C R02) issued by “Central Contracting Cell”
3. Bonus Clause- As per GTC for Work Contracts (JHS2055C R02) issued by “Central Contracting Cell”
4. PVC- Not Applicable
5. ORC- Not Applicable
6. LD/ Penalty-
 - I. For Item of work (which are essential in nature) as described in Part A & B of BOQ, the LD/Penalty shall be based on the Performance Delay Index which shall be arrived as below:

Performance Delay Index = (Number of working days – Number of service days)/7.
Here 0 is the desired level for performance.

If the Performance Delay Index in a month is more than 0 then LD equal to (Performance Delay Index * 0.5 % of contract value of Part A & B) will be deducted from the monthly bill of the contractor. The LD will be subject to maximum limit of 10 % of the contract value of Part A & B.
 - II. For Item of work as described in Part C of BOQ, the LD/Penalty shall be as per GTC for Work Contracts (JHS2055C R02) issued by “Central Contracting Cell”
7. The total price of the package is to be quoted by the bidders. The total quoted amount by the L1 bidder for the package shall be used for deriving Individual item rate by BHEL based on % (percentage) weightage specified at Price Schedule.
8. The quantity of items in the BOQ are only tentative and approximate and are liable for variation up to any extent provided the total value of the Contract does not vary by more than 30% (Thirty percent).



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TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

TECHNICAL TERMS AND CONDITIONS OF CONTRACT

1. The item of work as specified in Part A and B of BOQ are essential in nature and has to be carried out on daily basis and as per the requirement of BHEL. The week offs for these items of work shall be planned as per requirement of BHEL.
2. The item of work as specified in Part C of BOQ is to be carried out on milestone basis. The item of work shall be divided on 12 milestones. The work shall be carried out on monthly basis and as per requirement.
3. The works shall be executed with the directions, instructions, which shall be given to the contractor by BHEL from time to time and as per technical specifications in price schedule and drawings available in the office to give a general idea of the work to be executed and is liable for modifications during the actual execution based on the designs prepared and approved by the Competent authority.
4. If the specifications found wanting relevant technical specifications along with the tender shall be followed. Further missing details relevant CPWD and IS specifications shall be followed. Wherever, there is difference in between CPWD and IS specifications latter shall prevail.
5. For execution of all scheduled items CPWD specifications and relevant IS codes are to be followed. For execution of non-scheduled items specifications enclosed with this tender are to be followed.
6. Specialized works are to be executed by specialized agency with the approval of BHEL.
7. The materials in the scope of contractor shall have to be got approved by the contractor from the Engineer-in-charge before supplying inside the factory area. Testing of these materials (If required) shall be carried out at any BHEL or Govt approved/NABL approved lab whose cost will be borne by the contractor.
8. Contractor shall ensure that quality is maintained in all works connected with this contract all stages as per requirement of BHEL. Contractor shall ensure all inspection, measuring and testing equipment are calibrated by authorized agency/BHEL and valid calibration must be available with them for verification by BHEL.



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TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

9. The contractor shall be fully and finally responsible for correctness and quality of his work to the entire satisfaction of the BHEL/Customer.
10. If in the opinion of the contractor any work is insufficiently specified or required modifications, the contractor shall refer the same in writing to the Engineer and obtain his instruction/approval in writing before proceeding with the work. If contractor fails to refer such instance, any excuse for faulty erection, for poor workmanship or delay in completion shall not be entertained.
11. Material reconciliation statement has to be submitted by the contractor as & when required by BHEL.
12. The BHEL reserves the right to deviate either by additions or by deductions from the schedule of items of work given in the tender document after awarding work.
13. In case of any difference between agreement, wording and detailed drawings the interpretation of the BHEL shall be final and binding on the contractor.
14. The final acceptance of work in all items are subject to proper performance regardless of whether the items are paid for or not.
15. If discrepancy in specifications observed between schedule of quantities and general / technical conditions, the specifications in schedule of quantities will have precedence over the general / technical conditions.
16. The contractor will be fully responsible for the preparation of bill and submission to Engineer-in-charge.
17. Water will be supplied at one point by BHEL. Water charges @ 1 % of gross bill amount shall be recovered.
18. Quantity records shall be prepared, maintained and submitted by contractor on regular basis during the course of execution. Test records shall be prepared, maintained and submitted by contractor during the course of execution and as demanded by Engineer-In-Charge. Contractor shall strictly adhere to quality requirements and shall follow the norms mentioned in Field Quality Plan (if applicable).
19. In case of defective work BHEL will have full right to reject the work or part thereof. Such defective work if any, will have to be rectified by the contractor at his own cost. The opinion of Engineer in charge shall be final in this matter. If the defective work is allowed to stand BHEL shall

19

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

have the absolute right to reduce the rates for such items and the contractor shall have no claims over such defective work allowed on reduced rates.

20. The empty cement bags (if any) shall be stocked at one place and at least 90% of them shall be returned to BHEL at BHEL stores in good condition without any additional payment. Therefore, if the total quantity of 90% empty cement bags is not returned by the contractor, the same will be recovered at the rate of Rs 3/- per bag from the bills.

21. For all-natural minerals used in the work like sand, aggregate etc. royalty certificate (MM-11) must be submitted along with bills. If royalty certificate is not submitted the cost of royalty shall be deducted from contractors bill as per prevailing Govt. order including penalty as applicable.

22. Any electric power required for contractors' lighting/machinery for the purpose of work including fabrication work shall be supplied FREE OF COST at one point by the company on the written request of the contractor, subject to the observance of rules and regulations of Electric board / company. If it is observed that power is being wasted, BHEL shall have the right to recover cost of such consumption including arrears. Power will not be allowed for cooking and room (air) heating in winter season: For this purpose, on written application chargeable power can be allowed. The rates shall be the rates applicable for industrial consumption in U.P.

23. Taxes & Duties - The contractor shall submit their offer inclusive of all duties, royalty, entry tax etc. except GST. If GST is applicable for the work, the contractor shall claim GST extra as per actual over the quoted price of the work. However, the contractor must make payment of GST before claiming the same from BHEL.

24. The contractor shall take necessary precautions for the safety of his workmen and provide them with all safety equipment like gloves, gum-boots etc as per requirement. BHEL shall not be liable to pay any additional amount on account of any safety equipment / PPE. The contractor will follow all safety rules required in connection with execution of such type of works. The contractor will provide the all safety equipment i.e. safety shoes, safety belt, goggle and all other equipment, which are direct, related to work execution at own his cost.

25. The contractor shall take proper care to avoid any damage to BHEL property. If any damage does take place, the contractor will be fully responsible for the same. The decision of Engineer in charge is such case shall be final and binding on contractor.

20

We hereby accepted above (signature & seal of bidder)

Seal & Signature of BHEL contracting authority



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

26. The workers should be trained enough for the work. No minor worker will be allowed to work.
27. The contractor shall be wholly responsible for the behavior of his workmen with the official staff.
28. All tools & tackles, ladder & machinery required for the work execution shall be arranged by contractor on his cost.
29. The contractor will be fully responsible to follow the instruction related to works on daily/ requirement basis.
30. RECOVERY FOR LAND & BUILDING RENT ISSUED TO CONTRACTOR ON DEMAND & AVAILABILITY.

Sl.No.	Description	Recovery Rate
1	Open land for labour stay. (For temporary	Rs. 5.00/ sqm
2	Store building (if available) or land for store (for temporary arrangements).	Rs. 25.00/ sqm –plinth area
3.	Resident building –only X type or Type 2.	As per applicable BHEL RULES and guidelines.

31. ACCOUNTING

- a. Proper method of accounting (if any) of steel, TOR steel, cement & scrap material shall be followed. The books of such accounting be offered for auditing by BHEL at pre-decided regular interval.
- b. All debris and surplus materials shall be cleared from the site as and when directed by the Engineer-in-charge. Any temporary structure / stores made by the contractor for the work shall be demolished and site cleared before payment of final bill.
- c. Structural steel (if any) wastage /scrap shall be permissible upto 2% of total quantity of issued quantity. The wastage /scrap steel must be return by contract for reconciliation of steel. Wastage scrap beyond 2% will deducted @ Rs.75 per kg.

31 METHODS OF MEASUREMENTS



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

Except where any general or detailed description of the work in quantities expressly shows the contrary, schedule of quantities shall be deemed to have been prepared and measurements shall be taken in accordance with the procedure set forth in the schedule of rates – specification notwithstanding any provision in the relevant standard method of measurement or any general or local custom. In the case of items which are not covered by the CPWD schedule of rates – specification, measurement shall be taken in accordance with the relevant standard method of measurement issued by the Indian standards institution.

FREE ISSUE MATERIAL TO THE CONTRACTOR

S No.	Particulars	Rs.	Quantity
1	All consumable items required for cleaning works (As per availability)	Free of Cost	As per requirement



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

Note: If Tools and Plants (if available) are issued to the contractor on chargeable basis than the amount shall be deducted as per rates decided by BHEL prior to issue.

BLANK PRICE BID (JS 472)

<u>S.No.</u>	<u>Description of Items</u>	<u>Qty.</u>	<u>Unit</u>	<u>% Weightage</u>	<u>Rate (Rs.)</u>	<u>Amount (Rs.)</u>
Part "A"						
1	Collection & Disposal of Domestic garbage by mechanical means including loading & unloading upto a	1008.00	Trip	12.8728425800%	XXXXXXXX	XXXXXXXX



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

lead of 3.6 kilometres as below-						
(a) From dustbins including brooming around dustbins as per direction of engineer-in-charge.						
(b) From Haat markets (Weekly market)						
(c) Removal/disposal of dead unhorned/horned animals from Townships per requirement and direction of Engineer-In-charge.						
(d) Picking and disposal of light weight scattered material like polythene, paper, card board, packing material, dead trees & plants, leaves etc. within a area of specified in township as directed by Engineer In charge.						
(e) From all marriage gardens / places situated in BHEL premises as per their booking status.(Department will inform to contractor about the booking status of marriage gardens/ places separately.)						

Part "B"

<u>S.No.</u>	<u>Description of Items</u>	<u>Qty.</u>	<u>Unit</u>	<u>% Weightage</u>	<u>Rate(Rs.)</u>	<u>Amount (Rs)</u>
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BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

2	Collection of garbage from all houses from township on all working days in a month. The contractor will deploy 1 LCV (Light commercial vehicle four wheeled)/Tractor with trolley (commercial)/Four wheeler goods carrier fitted with loudspeaker and along with driver & necessary workers to collect the garbage from all houses of township. The collected garbage will be disposed off at designated location in township up to lead 5 KM. The work will be done as per direction of Engineer-In-Charge.	304.00	Per day	38.10746587%	XXXXXXXX	XXXXXXXX
3	Supply of 3D hydraulic excavator machine on requirement basis as directed by Engineer-in-charge.	30.00	Hrs.	1.1786971200%	XXXXXXXX	XXXXXXXX

Part "C"

<u>S.No.</u>	<u>Description of Items</u>	<u>Qty.</u>	<u>Unit</u>	<u>% Weightage</u>	<u>Rate(Rs.)</u>	<u>Amount (Rs)</u>
4	Cleaning and sweeping in township roads, around quarters & public building as per requirement. The payment shall made on the basis of measurement in per 100 sq. mtr. The measurement shall be recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All	215000.00	100 sq.m	14.19374648%	XXXXXXXX	XXXXXXXX



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

	tools & plants to be provided by Contractor)					
5	Cleaning of chambers adjacent to the building (approx size 600 X 600mm and up to 600mm depth) in all respect including collection of all rubbish, mud, roots or any other item that are chocking the sewer line. The payment shall made on the basis of measurement in Nos.recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	500.00	Nos.	1.0452759000%	XXXXXXXX	XXXXXXXX
6	Cleaning of manhole chambers along main sewer line (approx size 1000 X 1500X3000mm depth) in all respect including collection of all rubbish, mud, roots or any other item that are chocking the sewer line. The payment shall made on the basis of measurement in Nos.recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in	150.00	Nos.	0.2888262400%	XXXXXXXX	XXXXXXXX



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

	dustbin for disposable.(All tools & plants to be provided by Contractor)					
7	Cleaning of manhole chambers along branch sewer line (approx size 600X600X900mm depth) in all respect including collection of all rubbish, mud, roots or any other item that are chocking the sewer line. The payment shall made on the basis of measurement in Nos.recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	150.00	Nos.	0.2475653500%	XXXXXXXX	XXXXXXXX
8	Cleaning of main Sewer line (running at 3000mm depth of 300mm dia) by roding (or sewer cleaning machine electrically operated provided by BHEL as per requirement) in all respect. The cleaning shall be done for removing all rubbish, mud, roots or any other item that are chocking the sewer line.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All	5000.00	Meter	8.8023234000%	XXXXXXXX	XXXXXXXX



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

	tools & plants to be provided by Contractor)					
9	Cleaning of connecting sewer line (running at 600mm depth of 100mm dia) by roding by hand or chock remover in all respect. The cleaning shall be done for removing all rubbish, mud, roots or any other item that are chocking the sewer line.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	1200.00	Meter	2.2445924700%	XXXXXXXX	XXXXXXXX
10	Cleaning of inside building sanitary pipe line 100mm for wc sheet to man hole (approximate maximum length 10 feet for GF or FF floor 20 feet) by all respect by chock remover or through wire or any other item as per requirement etc.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	1800.00	Nos.	2.4261403900%	XXXXXXXX	XXXXXXXX



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

11	Cleaning of inside building sanitary pipe line 50mm for wash basin, bathroom and kitchen man hole (approximate maximum length 10 feet for GF or FF floor 20 feet)by all respect by chock remover or through wire or any other item as per requirement etc.The payment shall made on the basis of measurement in recorded in register by contractor or his supervisor / authorized person and verified daily by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	900.00	Nos.	1.5349051400%	XXXXXXXX	XXXXXXXX
12	Cleaning / washing of toilet (Approx maximum size 2000mm X 2000mm) including floor/walls/tiles wc sheet flushing cystem, exhaust fan, ventilators celling, wall above the tiles and all items inside the toilet for public building / BHEL house / GM residence / required building. (All consumable items for cleaning work shall be provided by BHEL free of cost)	2800	Nos.	1.7252553900%	XXXXXXXX	XXXXXXXX



BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

13	Cleaning of soak pit (approx size 1500mmX2100X1500mm depth) in all respect including collect all rubbish, mud, roots or any other item.The payment shall be made on the basis of measurement in nos. recorded in register by contractor or his supervisor / authorized person and verified by BHEL supervisor. The collected garbage must be collected in heap or in dustbin for disposable.(All tools & plants to be provided by Contractor)	30.00	Nos.	0.1336852900%	XXXXXXXX	XXXXXXXX
14	Cleaning of oxidation pond and removing the vegetation and sludge (upto 300 mm depth) and disposal of waste material up to 500 m and stacking of sludge at appropriate place as per the instruction of Engineer-in-charge. (All tools & plants to be provided by Contractor)	3500.00	sqm	4.4891849300%	XXXXXXXX	XXXXXXXX
15	Operation of sludge pump on daily basis (including recording reading in log book and submit to Deptt. & maintain the power supply for motor pumps) and cleaning of approach path of oxidation pond and sump area, as per direction of Engineer in charge. (All tools & plants to be provided by Contractor)	365.00	Per day	10.7094934700%	XXXXXXXX	XXXXXXXX
Total Part A+ Part B +Part C				100.0000000000%		

GST EXTRA AS APPLICABLE



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

NOTE – Contractor must not quote Rates/Amounts in this Blank Price Bid. This document must be submitted along with Techno-commercial bid.

Explanatory Note for calculating Quoted Rates of individual items

The total price of the package is to be quoted by the bidders. The total quoted amount by the L1 bidder for the package shall be used for deriving Individual item rate by BHEL based on % (percentage) weightage specified at Price Schedule.

Annexure A



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

DECLARATION BY BIDDER (on letter pad)

TENDER ENQUIRY NO. :-----

DATE:-

We declare that the following family firms or sister concern affiliates / subsidiary firms are participating in the tender No- -----

1.0.....

2.0.....

3.0.....

I..... , hereby declare on behalf of -

M/s..... and the family firms or sister concern affiliates / subsidiary firms listed above that we are not indulging in cartel formation for tender No -----

Name & signature of the bidder

(Seal)

Annexures (I-XII)



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

UPLOADED IN SPERATE FILE

(To be signed by contractor and submitted along with bid.)



**BHARAT HEAVY ELECTRICALS LIMITED
TRANSFORMER PLANT, JHANSI
TOWNSHIP CIVIL DEPARTMENT**

TENDER ENQUIRY NO: TCX/TW/23/11 DATE: - 08.05.2024

TD: 2023-24, REV- 00

Format JS 146 - Price Bid Sheet (in a separate envelope)

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