



TENDER DOCUMENT

For Works Contract

For Tender Enquiry No : TCX/TW/21/16

For

Misc. Civil Repair and maintenance works in Parks in Township

Contact Person :

Name : Anshuman Sharma

Designation : Dy. Managr (CMM)

Email : anshuman.sharma@bhel.in

PH : 0510 – 241 – 2784

Tender Due Date	24/12/2021 at 13 :15 Hrs
Tender Opening Date	24/12/2021 at 14 :00 Hrs

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

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.	Blank price bid format duly signed by the contractor.	Submitted/ Not submitted	
8.	Copy of ESI Registration	ESI No-	
9.	Copy of PAN card	PAN No-	
10.	Copy of GST registration	GST No-	
11.	Self declaration as per as per annexure V of GTC .	Submitted/ Not submitted	
12.	Copy of ownership of firm	Submitted/ Not submitted	
13.	Reciept of tender fees deposition	Amount	
14.	Reciept of EMD deposition	Amount	
15.	Copy of turn over and income tax return for last three year i. 2018-19 ii. 2019-20 iii. 2020-21	Submitted/ Not submitted	

BHARAT HEAVY ELECTRICALS LIMITED, JHANSI**Township Civil Department****TENDER DOCUMENT****TENDER ENQUIRY NO. : TCX/TW/21/16****DATE:- 03/12/2021**

16.	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	
17.	Copy of PF registration	PF No-	

We will fulfill all the obligations of the contractor 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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PART II: PRICE BID**(Separate envelope)**

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NOTICE INVITING TENDER



Township Civil Department**TENDER DOCUMENT****TENDER ENQUIRY NO. : TCX/TW/21/16****DATE:- 03/12/2021****1- NOTICE INVITING TENDER**

S. No.	Particulars	Details
1.	Name of work	Misc. Civil Repair and maintenance works in Parks in Township.
2.	Tender Evaluation Criteria	As per GTC issued by "Central Contracting Cell" and Tender Documents.
3.	Duration of the Contract	6 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. 8305/- (Rupees Eight Thousand Three Hundreded Five Only)
8.	Cost of tender (Non refundable)	Rs. Nil
9.	Validity of Offer	120 days
10.	Defect liability period	One year from actual date of completion

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 sent in a sealed envelope boldly super-scribing **"PART-I TECHNO COMMERCIAL BID FOR "Misc. Civil Repair and maintenance works in Parks in Township BHEL Jhansi"**. Similarly, the Price-bid must be duly signed and sent in a sealed envelope boldly super-scribing **"PART-II PRICE BID FOR "Misc. Civil Repair and maintenance works in Parks in Township BHEL Jhansi "**. Both these envelopes shall be placed inside 3rd sealed envelope super-scribing" duly signed and sent in a sealed envelope boldly super-scribing **"Misc. Civil Repair and maintenance works in Parks in Township BHEL Jhansi "**

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

The tender shall be addressed to as follows:

Anshuman Sharma

Dy. Mgr. (MM)

Email : anshuman.sharma@bhel.in

PH : 0510 – 241 – 2784

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

Anshuman Sharma

Dy. Mgr. (MM)

Material Management Department

Email : anshuman.sharma@bhel.in

BHEL, JHANSI - 284120

PH : 0510 – 241 – 2784

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.

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))

Township Civil Department**TENDER DOCUMENT****TENDER ENQUIRY NO. : TCX/TW/21/16****DATE:- 03/12/2021****Brief Description of Work / Scope of work**

S.NO	DSR 2016 Ref	Description	Unit	Quantity
1	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains, All kinds of soil (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	Cum	25
2	2.9.1	Excavation work by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains, Ordinary rock (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.	Cum	5.00
3	2.25	Filling available excavated earth in (excluding rock)	Cum	50.00
4	2.28.1	Surface dressing of the ground including removing vegetation and in -equalities not exceeding 15 cm deep and disposal of rubbish lead unto 50 m and lift upto 1.5 m for all kinds of soil.	100sqm	400.00
5	4.1.3	P and L in position Cement concrete -1:2:4 (1 Cement: 4 coarse sand: 8 graded stone aggregate 20mm nominal size) excluding the cost of entering and shuttering all work up to plinth level.	Cum	5.00
6	4.1.8	P and L in position Cement concrete -1:4:8 (1 Cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size) excluding the cost of entering and shuttering all work upto plinth level.	Cum	7.00
7	4.2.3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc.1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) up to floor five level, excluding the cost of centering, shuttering and finishing	Cum	5.00
8	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1cement :3 coarse sand : 6graded stone aggregate 20mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth	Sqm	100.00

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9	5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	Cum	2.00
10	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	Cum	1.00
11	5.9.1	Centering and shuttering including strutting, propping etc. And removal of form for: Foundations, footings, bases of columns, etc. For mass concrete.	Sqm	25.00
12	5.9.3	Centering and Shuttering for suspended floors, roofs, landings etc.	Sqm	20.00
13	5.9.5	Centering and Shuttering for lintels, beams plinth beams girders etc.	Sqm	10.00
14	5.22.6	Reinforcement for RCC including straightening , cutting , bending , placing in position and binding all binding all complete cold twisted bars .	Kg	100.00
15	6.1.2	Brick work with FPS bricks of (II nd class kanpur brick) upto plinth 1:6 (1 cement: 6 fine sand)	Cum	2.00
16	6.4.2	Brick work with FPS bricks of (II nd class kanpur brick) in Super structure 1:6 (1 cement : 6 fine sand) upto floor five level	Cum	8.00
17	7.1.1	R.R.Masonry with hard stone in foundation and plinth -1:6(1 cement: 6 coarse sand) including leveling up with cement concrete 1:6;12 (1 cement :6 coarse sand ; 12 graded stone aggregate of 20mm nominal size) .	Cum	5.00
18	10.25.2	Steel work welded in builtup sections / Framed work including cutting , hoisting , fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings , frames , guard bar, ladder, railing brackets	Kg	50.00
19	11.1.1	Brick on edge flooring with bricks of class designation 75 including cement slurry etc complete in cement mortar with F.P.S bricks 1:4 (1 cement : 4 coarse sand)	Sqm	100.00
20	11.3.1	Cement concrete flooring 1:2;4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc complete . 40 mm thick 20 mm nominal size stone aggre	Sqm	200.00
21	13.1.2	Plaster -12 mm thick in 1:6 (1 cement : 6 fine sand)	Sqm	100.00
22	13.2.2	Plaster -15 mm thick in 1:6 (1 cement : 6 fine sand)	Sqm	100.00
23	15.2.1	Demolishing cement concrete including disposal of material within 50 meter lead (1:3:6)	Cum	2.00
24	15.7.4	Demolishing brick work in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meter lead.	Cum	2.00

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25	16.15.1	Supplying at site : R.C.C. Standards post/ struts/rails/ pales of mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar nibs wherever required as per direction of Engineer-in-charge (cost of earth works in excavation, concrete works in foundation to be paid separately).	Cum	10.00
26	16.17	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal.	meter	860.00
27	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and includin	Sqm	160.00
28	DSR 2016	All items of DSR 2016 but not covered above	basic value	20000.00

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Qualifying Requirements

Sl No	Description of Qualifying Requirement
1.	<p>Average Annual financial turnover during the last 3 years ending 31st March 2021, should be at least Rs. 1.25 Lakhs approx. (Please attached Income tax return along with balance sheet and along with Profit & Loss Account of last three financial year, ending 31st March 2021, or Certificate of CA).</p> <p>Note-Provisional /Actual Turnover for financial year 2020-21 duly certified by CA shall also be acceptable for evaluation purpose.</p> <p>If T/o details of 3 years are not available then available years T/o shall be evaluated by dividing it by 3.</p>
2.	<p>2.1: Work Experience: (Bidder should fulfill any one of the following):</p> <p>Experience of having successfully completed similar works* (defined below) during last 7 years ending 30.09.2021 should be either of the following: -</p> <ul style="list-style-type: none"> • Three similar completed works each valuing not less than the amount equal to Rs 1.66 Lakh. OR • Two similar completed works each valuing not less than the amount equal to Rs 2.08 Lakh. OR • One similar completed works each valuing not less than the amount equal to Rs 3.32 Lakh. <p>*Similar Work means All type of civil construction / renovation / maintenance works.</p> <p>Documentary proof (Completion Certificate and WO/PO / LOI) for the experience performance report issued by Customer for successful execution of the contract to be submitted. In case of experience in Private Sector, in addition to above, relevant TDS Certificate must be attached as evidence.</p>
3.	Contractor Should have ESI Code number.
4.	Contractor Should have PAN number.
5.	Contractor Should have GST (PAN based)
6.	Bidders are required to submit a self-declaration on their letter head as per the Format enclosed in Annexure V .
7.	Blank Price Bid as per annexure "JS 472".
8.	<p>The documents required for legal entities under whose name and style Contractor has participated in the tender are as follows:</p> <p>8.1) Partnership Firm: Partnership Deed registered at the office of Registrar of Firms.</p> <p>8.2) Company: Certified copy Memorandum of Association, Article of Association and Incorporation Certificate.</p> <p>8.3) Society: Registration certificate issued by Registrar of societies.</p> <p>8.4) Sole Proprietor-ship Firm: Undertaking on oath (On 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>

**GENERAL TERMS AND CONDITIONS OF ENQUIRY FOR WORKS
CONTRACTS (JHS2055C R01)**

UPLOADED IN SEPERATE FILE - PAGE NO 01 TO 14
(To be signed by contractor and submitted along with bid)

FREE ISSUE MATERIAL TO THE CONTRACTOR**SCHEDULE "A"**

S No.	Particulars	Rs.	Quantity
1	Structural steel	Free of cost	As required
2	Cement	Free of cost	As required
3	Reinforcement Steel	Free of cost	As required
4	Any other item (if applicable)	Free of cost	As required

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

SPECIAL TERMS AND TECHNICAL SPECIFICATION

1. 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.
2. 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.
3. 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.
4. Specialized works are to be executed by specialized agency with the approval of BHEL.
5. 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.
6. 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.
7. The contractor shall be fully and finally responsible for correctness and quality of his work to the entire satisfaction of the BHEL/Customer.
8. 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.
9. Material reconciliation statement has to be submitted by the contractor as & when required by BHEL.
10. 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.
11. The quantity of items in the BOQ can vary to any extent during the execution as per the actual site requirement as per instruction of Engineer-in-Charge.
12. In case of any difference between agreement, wording and detailed drawings the interpretation of the BHEL shall be final and binding on the contractor.
13. The final acceptance of work in all items are subject to proper performance regardless of whether the items are paid for or not.
14. 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.
15. The contractor will be fully responsible for the preparation of bill and submission to Engineer-in-charge.
16. Water will be supplied at one point by BHEL. Water charges @ 1 % of gross bill amount shall be recovered.
17. 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).

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18. 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 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.
17. The empty cement bags 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.
18. 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 contractor's bill as per prevailing Govt. order including penalty as applicable.
19. 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.
20. PVC and ORC clauses are not applicable.
21. 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.
22. 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.
23. 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 in such case shall be final and binding on contractor.
24. The workers should be trained enough for the work. No minor worker will be allowed to work.
25. The contractor shall be wholly responsible for the behavior of his workmen with the official staff.
26. All tools & tackles, ladder & machinery required for the work execution shall be arranged by contractor on his cost.
27. The contractor will be fully responsible to follow the instruction related to works, given and recorded by department in "Site order Book" and will be signature by him daily against recorded instructions in "Site Order Book" at department.
28. RECOVERY FOR LAND & BUILDING RENT ISSUED TO CONTRACTOR ON DEMAND & AVAILABILITY.

Sl.No.	Description	Recovery Rate
1	Open land for labour stay.(For temporary arrangements.)	Rs. 5.00/ sqm

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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.

29. ACCOUNTING

- a) Proper method of accounting 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 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.

21. METHODS OF MEASUREMENTS

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.

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a. Name of the firm : _____

S.NO	DSR 2016 Ref	Description	Unit	Quantity	Analysed Rate of per DSR 2016	Amount (Rs.)
1	2.8.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains, All kinds of soil (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	cum	25.00	-	-
2	2.9.1	Excavation work by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains, Ordinary rock (not exceeding 1.5 m in width or 10 sqm on plan) including dressing of sides and ramming of bottoms lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m.	cum	5.00	-	-
3	2.25	Filling available excavated earth in (excluding rock)	cum	50.00	-	-
4	2.28.1	Surface dressing of the ground including removing vegetation and in -equalities not exceeding 15 cm deep and disposal of rubbish lead upto 50 m and lift upto 1.5 m for all kinds of soil.	100sqm	400.00	-	-
5	4.1.3	P and L in position Cement concrete -1:2:4 (1 Cement: 4 coarse sand: 8 graded stone aggregate 20mm nominal size) excluding the cost of entering and shuttering all work up to plinth level.	cum	5.00	-	-
6	4.1.8	P and L in position Cement concrete -1:4:8 (1 Cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size) excluding the cost of entering and shuttering all work upto plinth level.	cum	7.00	-	-

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

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7	4.2.3	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) up to floor five level, excluding the cost of centering, shuttering and finishing	cum	5.00	-	-
8	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth	sqm	100.00	-	-
9	5.2.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level excluding cost of centering, shuttering, finishing and reinforcement : 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	cum	2.00	-	-
10	5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	cum	1.00	-	-
11	5.9.1	Centering and shuttering including strutting, propping etc. And removal of form for: Foundations, footings, bases of columns, etc. For mass concrete.	sqm	25.00	-	-
12	5.9.3	Centering and Shuttering for suspended floors, roofs, landings etc.	sqm	20.00	-	-
13	5.9.5	Centering and Shuttering for lintels, beams plinth beams girders etc.	sqm	10.00	-	-
14	5.22.6	Reinforcement for RCC including straightening , cutting , bending , placing in position and binding all binding all complete cold twisted bars .	kg	100.00	-	-

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15	6.1.2	Brick work with FPS bricks of (II nd class kanpur brick) upto plinth 1:6 (1 cement: 6 fine sand)	cum	2.00	-	-
16	6.4.2	Brick work with FPS bricks of (II nd class kanpur brick) in Super structure 1:6 (1 cement : 6 fine sand) upto floor five level	cum	8.00	-	-
17	7.1.1	R.R. Masonary with hard stone in foundation and plinth -1:6(1 cement: 6 coarse sand) including leveling up with cement concrete 1:6;12 (1 cement :6 coarse sand; 12 graded stone aggregate of 20mm nominal size).	cum	5.00	-	-
18	10.25.2	Steel work welded in builtup sections / Framed work including cutting , hoisting , fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in gratings , frames , guard bar, ladder, railing brackets	kg	50.00	-	-
19	11.1.1	Brick on edge flooring with bricks of class designation 75including cement slurry etc complete in cement mortar with F.P.S bricks 1:4 (1 cement : 4 coarse sand)	Sqm	100.00	-	-
20	11.3.1	Cement concrete flooring 1:2;4 (1 cement: 2 coarse sand: 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry but excluding the cost of nosing of steps etc complete. 40 mm thick 20 mm nominal size stone aggre	sqm	200.00	-	-
21	13.1.2	Plaster -12 mm thick in 1:6 (1 cement : 6 fine sand)	sqm	100.00	-	-
22	13.2.2	Plaster -15 mm thick in 1:6 (1 cement : 6 fine sand)	sqm	100.00	-	-
23	15.2.1	Demolishing cement concrete including disposal of material within 50 meter lead (1:3:6)	cum	2.00	-	-
24	15.7.4	Demolishing brick work in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meter lead.	cum	2.00	-	-

We hereby accepted above (Signature & seal of bidder)**Seal & Signature OF BHEL contracting authority**

Township Civil Department

TENDER DOCUMENT

TENDER ENQUIRY NO. : TCX/TW/21/16

DATE:- 03/12/2021

25	16.15.1	Supplying at site : R.C.C. Standards post/ struts/rails/ pales of mix 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 12.5 mm nominal size) with wooden plugs or 6mm bar ribs wherever required as per direction of Engineer-in-charge (cost of earth works in excavation, concrete works in foundation to be paid separately).	cum	10.00	-	-
26	16.17	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be strutted on both sides and end post one side only, provided with horizontal.	meter	860.00	-	-
27	16.68	Providing and laying 60mm thick factory made cement concrete interlocking paver block of M -30 grade made by block making machine with strong vibratory compaction and of approved size and design/ shape laid in required colour and pattern over and includin	sqm	160.00	-	-
25	DSR 2016	All items of DSR 2016 but not covered above	Basic value	20000.00	-	-
Sectional Total A						-
Sectional Weightage Percentage						100.00%
Quoted Sectional amount Sec A (derived) from the Quoted Total Price Bid value.						Xxxxxxxx
Sectional Multiplying Factor						xxxxxxxxxxx
Total Amount To be quoted by Contractor (in figure)						XXXXXXXXXXXX

Amount in Words: -XXXXXXXXXXXXX.....

GST EXTRA AS APPLICABLE

We hereby accepted above (Signature & seal of bidder)

Seal & Signature OF BHEL contracting authority

NOTE – Contractor must not quote 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 of each section and billing method

1. For each section the weightage percentage has been specified as per above.
2. Contractor only has to quote the total price bid value for the contract
3. The amount quoted by the contractor will be distributed in the 1 sections as per the weightage of that Section. The amount allocated to each section will be called as **Quoted Sectional Amount**

4. The sectional multiplying factors for each section will then be calculated as follows:

Sectional Multiplying Factor = (Quoted Sectional Amount)

Sectional Total of that Section as mentioned in Price Bid

5. The rates of the individual items in any section will be determined by the following formula-
Actual Item rate = (Sectional Multiplying Factor) x (Item rate)
6. To eliminate possibility of rounding off errors in **Actual item rates**, the billing shall be done by first calculating the amount derived by obtaining the quantity executed with the Item Rates and then the **total amount of each section will be multiplied** with the **Sectional Multiplying Factor**.

Annexures (I-XI)

UPLOADED IN SEPARATE FILE

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

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

UPLOADED IN SEPARATE FILE