

TENDER

(NIT NO. TA/TCL/**28**/22-23)

FOR

**DEMOLITION AND CLEARING OF DEBRIS COMPLETE
FOR DAMAGED RCC WATER TANK AND CONNECTING
PASSAGE IN KASTURBA HOSPITAL OLD BUILDING 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 single Annexure:

1) Annexure-I includes items based on Budgetary offer.

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

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 :- Demolition and clearing of debris complete for damaged RCC water Tank and connecting passage in Kasturba hospital old building in BHEL Township, Bhopal.

S.No	It. Code	Description of items	Qty.	Unit	Rate	Amount (Excluding GST)
1		Demolition and clearing of debris complete as per Scope of Work for following Work:				
		1) Complete RCC Water tank including first floor passage	1	LOT	146250.00	146250.00
		2) Connecting passage from water cooler point to male medical ward Kasturba Hospital Building, Bhopal				
					Total Rs.:	1,46,250.00
		Percentage quoted by the Contractor	%	Above	Below	At Par
		Percentage quoted by the Contractor in words				
Note:- 1.0) The dismantled material along with the reinforcement material & other serviceable material like bricks, window frames etc. shall be the property of the agency/contractor. The bidder has to quote their price for the tendered work after due discount on account of above. However, upon award during execution if the contractor fails to take away the dismantled/demolished material, BHEL will provide the contractor a site within the township for disposal of same which shall be the sole responsibility of the contractor.						
2.0) Amount to be filled in respective column in numeral as well as in words.						
3.0) For detail scope of Work & Conditions Refer Annexure -II						
Signature of Contractor						

ANNEXURE-II

SCOPE OF WORK

Name of Work: - Demolition and clearing of debris complete for damaged RCC water Tank and connecting passage in Kasturba hospital old building in BHEL Township, Bhopal.

1. Introduction: -

BHEL, Bhopal intends to outsource the work of the demolition of following damaged RCC Structures in Kasturba Hospital Building.

The scope broadly consists of: -

1) Complete Water tank including first floor passage (walls & Ceiling only): -

The damaged RCC water tank is situated above the first floor corridor between Wing 2 & Wing 3 of Kasturba Hospital. The said structure is not fit for use & needs to be dismantled. The scope includes demolition & removal of debris up to first floor from top of structure. Ground Floor corridor including its ceiling slab shall not be disturbed.

2) Connecting passage from water cooler point to male medical ward behind security control room Kasturba Hospital Building, Bhopal. This passage is supported on four pillars. Passages include columns to be dismantled.

2. Steps for Removal of Water Tank

- I. Support the tank slab by means of wooden or steel props and start dismantling the slab part manually from back side to front side. Before starting the dismantling work scaffolding need to be placed along with safety net and other safety measures. Slab need to be dismantled from top to bottom by means of breaker /grinder Cutter.
- II. Once the work of slab dismantling was completed then the brick walls between the columns need to be removed first from top to bottom and their debris need to be shifted on wing slab accordingly.
- III. The debris of slab will be shifted toward existing wing slab accordingly or specified location as per engineer in-charge.
- IV. After removal of brickwork the existing columns of water tank need to be removed manually from top to bottom and debris need to be shifted to wing slab or specified location as per engineer in-charge.
- V. For Passage the dismantling work need to be done from top to bottom. First the parapet work need to be removed then the slab need to be removed, then the column need to be removed from top to bottom. Before starting dismantling work the scaffolding need to be placed along with safety nets and all safety measures.

Signature of Contractor

- VI. During dismantle the slab needs to be prop using NB 40 Steel Jacks at spacing of 600mm c/c both direction. Scaffolding platform to be created using NB 40 at the rate 1000mm c/c both ways braced at each alternate bays using NB 40 as per IS 3696 part 1.

3. Steps for Removal of Connecting Passage:

- I. Support the slab by means of wooden or steel props and start dismantling the slab part manually. Before starting the dismantle work scaffolding need to be place along with safety net and other safety measures.
- II. Once the work of slab dismantle was completed then the brick walls & columns below the slab to be removed and their debris need to be shifted accordingly or specified location as per engineer in-charge.
- III. After removal of brickwork & columns the existing columns foundations of the connecting passage need to be remove manually and debris need to be shifted accordingly or specified location as per engineer in-charge.
- IV. During dismantle the slab needs to be prop using NB 40 Steel Jacks at spacing of 600mm c/c both direction. Scaffolding platform to be created using NB 40 @ 1000mm c/c both ways braced at each alternate bays using NB 40 as per IS 3696 part 1.

4. Special Conditions: -

1. Before beginning the actual work of demolition, a careful study shall be made of the structure which is to be dismantled and also of all its surroundings including various service lines such as water supply, communication lines, electrical lines etc. This shall, in particular, include study of the manner in which the various parts of the building to be demolished are supported and how far the stage by stage demolition will affect the safety of the adjoining structure.
2. Prop the slabs by means of hydraulic jacks from ground level to top level.(Below the slab)
3. Cut the connecting beams and slabs of the water tank between the wings by means of Hilti grinder.
4. Remove the Chhaja manually by means of hammer not breaker.
5. Remove slab in grid of 1mx1m at one time and dispose the malwa.(This work can be done by breakers)
6. Remove the wall in the same manner 1mx1m in one time and dispose of the malwas.
7. Extra precaution has to be taken during demolition as the Hospital is double story building with load bearing walls & around 50 years old. The demolition work shall be proceeded with in such a way that

Signature of Contractor

- a) It causes no damage to the adjoining building and properties.
 - b) It satisfies all safety requirements to avoid any accidents.
 - c) Damage to the surrounding structure, directly or indirectly shall be the responsibility of the agency/contractor. The agency/contractor shall have to make good/repair such damages at their own cost to the entire satisfaction of Engineer-in Charge before claiming any payment.
8. The debris obtained during demolition shall be collected in well-formed heaps at properly selected places, keeping in view safe conditions for workmen in the area. The height of each heap shall be limited to such that it does not endanger the safety of the passes by.
- In any case, the demolition work shall not be considered as completed and the area declared fit for further occupation till all the debris has been removed and disposed to its final disposal location and the demolition area tidied up.
9. Complete clearing of site up to the level as mentioned above for both the locations after disposing of serviceable/ unserviceable materials (rubbish). The dismantled material along with the reinforcement material & other serviceable material like bricks, window frames etc. shall be the property of the agency/contractor. The bidder has to quote their price for the tendered work after due discount on account of above. However, upon award during execution if the contractor fails to take away the dismantled/demolished material, BHEL will provide the contractor a site within the township for disposal of same which shall be the sole responsibility of the contractor.
10. Disposal of material (if in BHEL premises) shall be done in a systematic manner as directed by Engineer-in-Charge.
11. The agency/contractor shall be fully responsible for the safety of workers/staff engaged by them. They should be provided with adequate insurance coverage. Relevant documents should be submitted during deployment.

Signature of Contractor

SCHEDULE – “B”								
Name of work :- Demolition and clearing of debris complete for damaged RCC water Tank and connecting passage in Kasturba hospital old building in BHEL Township, Bhopal.								
----- NIL-----								
SCHEDULE – “C”								
----- NIL-----								
Signature of Contractor								