

TENDER

(NIT NO. TA/TCL/**09**/20-21)

FOR

**REPAIRING OF CHHAJJAS OF KASTURBA
COLLEGE OF NURSING, JAWAHAR LAL
NEHRU SCHOOL (PRIMARY & SECONDARY
WINGS) 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 DSR-2012 & Rate analysis.

Bidders are requested to quote their rates 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 : Repairing of chhajjas of Kasturba College of Nursing, Jawahar Lal Nehru School (Primary & Secondary Wings) in BHEL Township, Bhopal.

S.No	It. Code	Description of items	Qty.	Unit	Rate	Amount
1		Carriage of material by mechanical transport including loading, unloading, stacking etc. complete upto 1 km.				
	1.1.1	Lime, moorum, bldg. rubbish	25.00	cum	66.23	1655.75
2	5.3 RA	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 150 degree, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 - cement : 2- coarse sand : 4 - graded stone aggregate 20 mm nominal size).	5.50	cum	3556.89	19562.90
3		Centring and shuttering including strutting, propping, etc. and removal of form for:				
a	5.9.3 RA	Suspended floors, roofs, landings, balconies and access platform.	60.00	sqm	301.28	18076.80
b	5.9.5 RA	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	10.00	sqm	251.23	2512.30
4	RA 5.22.6/ 5.22.6A	Steel Reinforcement for RCC work i/c straightening, cutting, bending, placing in position and binding all complete upto/above plinth level :TMT bars (excluding cost of steel bars)	275.00	kg	7.40	2035.00
5	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	30.00	metre	22.25	667.50
6	10.2	Structural steel work riveted ,bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete (excluding the cost of steel).	100.00	kg	13.09	1309.00
7		12 mm cement plaster of mix:				
	13.4.2 RA	1 : 6 (1 cement : 6 coarse sand).	186.00	sqm	99.21	18453.06
8		15 mm cement plaster on the rough side of single or half brick wall of mix:				
	13.5.2 RA	1 : 6 (1 cement : 6 coarse sand).	40.00	sqm	114.32	4572.80
9		6 mm cement plaster of mix:				
	13.16.1 RA	1 : 3 (1 cement : 3 fine sand).	156.00	sqm	79.42	12389.52
10	13.21 RA	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	23.00	Per 50 kg bag of cement used in the mix	32.94	757.62

11	13.46.1 RA	Finishing walls with Acrylic Smooth exterior paint of required shade :				
		New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	390.00	sqm	60.04	23415.60
		Make of paint - 'Asian / AkzoNobel / Berger /Nerolac.				
		Make of primer - 'Acrylic exterior wall primer' from Asian / Berger / AkzoNobel /Nerolac.				
12	13.61.1 RA	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
		Two or more coats on new work.	15.00	sqm	50.19	752.85
13	13.80 RA	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	390.00	sqm	67.68	26395.20
		Make of putty - Birla white wall care putty / JK wall putty / Asian wall putty / Sika wall décor putty.				
14	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineerin- charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	1460.00	sqm	120.20	175492.00
		Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.				
15	15.3	Demolishing RCC work manually/by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer Incharge.	10.00	cum	978.95	9789.50
16	15.7.4	Demolishing brick work manually/by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer Incharge.				
		In cement mortar.	10.00	cum	566.60	5666.00

17	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 m lead.	140.00	sqm	15.00	2100.00
18		Grading roof for water proofing treatment with				
	22.14.2	Cement mortar 1:3 (1 cement : 3 coarse sand)	4.50	cum	4299.75	19348.88
19	6.13.2 RA	Half brick masonry with Ghol bricks having compressive strength not less than 50 Kg/cm2 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand) .	40.00	sqm	675.71	27028.40
					Total Rs.	371980.68
		Percentage quoted by the Contractor	%	Above	Below	At Par
		Percentage quoted by the Contractor in words				
	Note:-	The contractor shall ensure the following:				
	i	The contractor shall take signatures of engineer-in-Charge for four differenct processes i.e. at the end of surface preparation, after application of primer (wherever applicable) after application of 1st coat and after application of 2nd coat (wherever applicable).				
	ii	All the materials (for painting work) shall be brought by the contractor in sealed container in sufficient quantities at a time to suffice for a fortnight's work and same shall be kept in BHEL Store in Township. All the materials shall be issued from BHEL Store. Empty container of paints, primer & putty shall be deposited back by the Contractor, failing which deduction @ 1.25 times the prevailing market rate of the material worked out against the shortfall in returning of empty container(s). Proper record shall be maintained in this regard. The empty container(s) deposited back by the contractor shall finally be returned to him by the department after the final bill.				
	iii	The choice in regard of selection of products rests, solely, with the department. The decision of the department shall be final and binding on the contractor.				
	iv	The contractor shall submit to the Engineer-in-charge supporting papers such as invoice, cash memo, challan etc. as a proof of purchase of the material.				
	v	The contractor shall provide all safety appliances such as safety belts, helmets, walkways, safety ladders etc. for use by his labourers while working at height. Safety appliances must be of standard, approved quality.				
	vi	Standard construction safety nets made of polypropylene (as per IS:5175) may be required to be used to protect/guard labourers working at height against fall as per discretion of Engineer- In-charge. The contractor shall arrange for the net without extra cost to BHEL over and above his quoted rate.				
	vii	Reinforcement work shall be done by welding the new bars with the old ones.				
	viii	Scaffolding to be paid only against Item Code 14.72 of Annexure-I. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. This item to be used only for repair of chajja of 1st floor and parapet at roof top.				
	ix	All the works shall be executed as per relevant CPWD specification.				
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SCHEDULE – “B”								
Name of work : Repairing of chhajjas of Kasturba College of Nursing, Jawahar Lal Nehru School (Primary & Secondary Wings) in BHEL Township, Bhopal.								
Issued free of cost at Gadia Store/ sub-division								
1. Cement								
2. TMT bar / Reinforcement steel								
3. Structural steel								
Note: If the contractor fails to return to the department unconsumed portion of total quantities of respective free issue material after completion of work or as and when instructed by Engineer-incharge, recovery at twice the respective material cost of the item as procured/decided by BHEL shall be made from the contractor's bill(s).								
SCHEDULE – “C”								
-----NIL-----								
Signature of Contractor								