

TENDER

(NIT NO. TA/TCL/**19**/21-22)

FOR

**REPAIRING OF CHHAJJA IN RESIDENTIAL
AND NON-RESIDENTIAL BUILDINGS OF
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 GST Compliant DSR-2012, Rate Analysis, 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 : Repairing of chhajja in residential and non-residential buildings of 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				
(a)		upto 1 km.				
(i)	1.1.1	Lime, moorum, bldg. rubbish	20.00	cum	66.23	1,324.60
2		Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed.				
	2.6.1	All kinds of soil	4.00	Cum	129.35	517.40
3		Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
	4.1.6 RA	1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size).	1.50	cum	2,533.34	3,800.01
4		Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level :				
	5.1.2 RA	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2.50	cum	2,696.15	6,740.38
5	5.3 RA	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15° 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).	2.00	cum	3,556.89	7,113.78
6		Centring and shuttering including strutting, propping, etc. and removal of form for:				-
(a)	5.9.1 RA	Foundations, footings, bases of columns, etc. for mass concrete.	10.00	sqm	155.49	1,554.90
(b)	5.9.3 RA	Suspended floors, roofs, landings, balconies and access platform.	22.00	sqm	301.28	6,628.16
(c)	5.9.5 RA	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	10.00	sqm	251.23	2,512.30

7	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)	190.00	kg	7.40	1,406.00
8	5.30	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections	24.00	metre	22.25	534.00
						-
9		Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.				-
	10.16.1	Hot finished welded type tubes	960.00	Kg	75.31	72,297.60
						-
10		12 mm cement plaster of mix:				-
	13.4.2 RA	1 : 6 (1 cement : 6 coarse sand) .	70.00	sqm	99.21	6,944.70
						-
11	13.16.1 RA	6 mm cement plaster of mix:				-
		1 : 3 (1 cement : 3 fine sand).	36.00	sqm	79.42	2,859.12
12	13.21	Extra for providing and mixing water proofing material in cement plaster work in proportion recommended by the manufacturers.	25.00	Per bag of 50 kg cement used	32.94	823.50
13		Finishing walls with Acrylic Smooth exterior paint of required shade :				-
	13.46.1	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)	106.00	sqm	60.04	6,364.24
14	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :	70.00	Sqm	50.19	3,513.30
15	13.80	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	106.00	sqm	67.68	7,174.08
16		Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqm and under including cutting the patch in proper shape raking out joints and preparing and plastering the surface of the walls complete including disposal of rubbish to the dumping ground within 50 meters lead				-
	14.1.1 RA	With cement mortar 1 : 4 (1 cement : 4 fine sand).	100.00	sqm	145.34	14,534.00

17	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 chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for therequired 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				-
		Note: - This item to be used for maintenance work judicially, necessary deduction for caffolding in the existing item to be done.	1,080.00	Sqm	111.36	1,20,268.80
18	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	10.00	cum	978.95	9,789.50
19	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				-
		In cement mortar.	2.00	cum	566.60	1,133.20
20	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.	80.00	sqm	15.00	1,200.00
21		Grading roof for water proofing treatment with				-
	22.14.2	Cement mortar 1:3 (1 cement : 3 coarse sand)	1.00	cum	4,299.75	4,299.75
22	Non DSR (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) .	30.00	Sqm	670.79	20,123.70
23	Non-DSR (12.50)	Providing and fixing of precoated galvalume steel sheet having maximum of pitch of 200 to 210 mm c/c and minimum 30mm crest depth in length as per site requirement. The supplied material is to be manufactured out of 0.50mm TCT (total coated thickness) and 550MPA tensile strength, with zinc aluminium alloy of AZ150 (As per AS - 1397:2001). The sheet shall have a hot dip metallic zinc aluminium alloy coating of zinc (43.4%), silicon (1.6%) and aluminium (55%) with total coating mass of 150 gms/sqm (total both surfaces). The sheet shall be fixed using self drilling/self tapping screws with EPDM seal fixed to the existing M.S. purlins/ runners/ rafters/ trusses complete including cutting to size & shape wherever required as per drawing and as directed by engineer-in-charge.	50.00	Sqm	594.24	29,712.00

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SCHEDULE – “B”								
Name of work : Repairing of chhajja in residential and non-residential buildings of BHEL Township, Bhopal.								
1. Cement.								
2. Reinforcement 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”								
1. Electricity charges at Rs.66.00/- per M.T. of fabrication of structural steel								
Signature of Contractor								