

# TENDER

(NIT NO. TA/TCL/**26**/21-22)

**FOR**

**IMPROVEMENT WORK OF TRANSFORMER  
SUB-STATION IN GOVINDPURA N'HOOD 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 :- Improvement work of transformer sub-station in Govindpura N'Hood of BHEL Township, Bhopal.**

S.No	It. Code	Description of items	Qty.	Unit	Rate	Amount
1	1.1	Carriage of materials by mechanical transport including loading, unloading and stacking. Upto 1.0 km				
a	1.1.1	Lime, moorum, bldg. rubbish	10.00	Cum	66.23	662.30
b	1.1.2	Earth	60.00	Cum	82.78	4,966.80
2	2.6	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 50m and lift upto 1.5 m disposed earth to be levelled and neatly dressed.				
	2.6.1	All kind of soil	40.00	cum	129.35	5,174.00
3	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (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.				
	2.8.1	All kinds of soil.	20.00	cum	130.80	2,616.00
4	2.9	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m 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 50 m.				
	2.9.1	Ordinary rock	5.00	Cum	212.00	1,060.00
5	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	20.00	Cum	83.80	1,676.00
6	2.27 RA	Supplying and filling in plinth with Stone dust under floors, including watering, ramming, consolidating and dressing complete.	10.00	cum	1,191.77	11,917.70
7		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).	7.00	cum	2,533.34	17,733.38

8		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)	10.00	cum	2,696.15	26,961.50
9		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. upto floor five level excluding cost of centring, shuttering, finishing and reinforcement.				
	5.2.2 RA	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	2.00	cum	3,337.06	6,674.12
10		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.	18.00	sqm	155.49	2,798.82
b	5.9.6 RA	Columns, pillars, piers, abutments, posts and struts.	16.00	sqm	349.52	5,592.32
						-
11	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)	600.00	kg	7.40	4,440.00
12		Coursed rubble masonry (second sort) with hard stone in foundation & plinth with :-				-
	7.7.1 RA	Cement mortar 1:6(1 cement : 6 coarse sand)	11.00	cum	2,754.46	30,299.06
						-
13	10.2 (RA)	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)	1905.00	kg	58.31	1,11,080.55
14	10.20 RA	Providing and fixing bolts including nuts and washers complete.	62.00	Kg	76.93	4,769.66
15		Steel work welded in built up sections/framed work including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	10.25.2 RA	In gratings, frames, guard bar, ladders, railings, brackets, gates and similar works.	300.00	kg	69.38	20,814.00
16	12.8 (RA)	Providing non-asbestos high impact Polypropylene reinforced cement 6 mm thick corrugated sheets (as per IS : 14871 ) roofing up to any pitch and fixing with Polymer coated J or L hooks, bolts and nuts 8 mm dia G.I. Plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required (excluding the cost of Non-Asbestos fibre cement corrugated sheet).	84.00	sqm	52.32	4,394.88

17		12 mm cement plaster of mix.				
	13.4.2 RA	1:6 (1 cement : 6 coarse sand)	40.00	sqm	99.21	3,968.40
18		15mm cement plaster of mix:				
	13.5.2RA	1 : 6 (1 cement : 6 coarse sand).	35.00	sqm	114.32	4,001.20
19		Finishing walls with Acrylic Smooth exterior paint of required shade :				
	13.46.1 RA	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)	75.00	sqm	60.04	4,503.00
20	15.7	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-charge.				
	15.7.4	In cement mortar	2.00	cum	566.60	1,133.20
21	15.9	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge				
	15.9.2	In cement mortar	3.00	cum	676.05	2,028.15
22	Non DSR (6.2.2 RA)	Brick work with Ghol bricks having compressive strength not less than 50 Kg/cm <sup>2</sup> in super structure above plinth level upto floor V level in all shapes and sizes in cement mortar 1:6 (1cement:6 coarse sand) .	7.00	Cum	4,946.64	34,626.48
23	Non-DSR (12.50 RA)	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 IS 15961:2012). 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.	40.00	Sqm	594.24	23,769.60

24	Non-DSR (12.51.2 RA)	Providing and fixing of precoated galvalume steel sheet roofing accessories 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 IS - 15961:2012). 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). : <b>Flashing / Aprons (upto 600mm).</b>	10.00	Mtr	602.50	6,025.00
					<b>Total Rs.:</b>	<b>3,43,686.12</b>
Percentage quoted by the Contractor			%	Above	Below	At Par
Percentage quoted by the Contractor in words						
<b>Note:</b> The colour and shade of the precoated galvalume sheet / flashing / apron against item at sr. no. 23 and 24 shall be got approved from the Engineer-in-charge prior to execution of work.						
Signature of Contractor						

SCHEDULE – “B”								
<b>Name of work :- Improvement work of transformer sub-station in Govindpura N'Hood of BHEL Township, Bhopal.</b>								
Issued free of cost at Gadia Store/ sub-division								
1	Cement							
2	Reinforcement Steel							
3	Non-asbestos fibre cement corrugated sheet							
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”								
Electricity charges at Rs 66.00 per MT of fabrication of structural steel.								
Signature of Contractor								