

TENDER

(NIT NO. TA/TCL/**12**/21-22)

FOR

**REPAIR OF OLD BUILDING AND RELATED AREA
FOR INSTALLATION OF 500 LPM PVSA OXYGEN
GENERATION SYSTEM AT KASTURBA HOSPITAL
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 GST Compliant DSR-2012, Rate analysis & BO.

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 : Repair of old building and related area for installation of 500 LPM PVSA Oxygen Generation System at Kasturba Hospital 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	5.00	Cum	66.23	331.15
2		Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level:				
a	4.1.3 RA	1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	3.00	Cum	2576.38	7,729.14
b	4.1.6 RA	1 : 3 : 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size).	5.00	Cum	2533.34	12,666.70
3		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)	3.00	Cum	2,696.15	8,088.45
4		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
5		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	5.9.5 RA	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	5.00	sqm	251.23	1,256.15
c	5.9.6 RA	Columns, pillars, piers, abutments, posts and struts.	10.00	sqm	349.52	3,495.20
6	5.12 CS RA	Providing, hoisting and fixing upto floor five level precast Reinforced cement concrete work in string courses, bands, copings, bed plates, anchor blocks, plain window sills and the like, including the cost of required centering, shuttering, but excluding cost of reinforcement with 1 : 2 : 4 (1 cement : 2 coarse sand : 4 grades stone aggregate 20 mm nominal size).	0.50	Cum	3,361.12	1,680.56
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)	440.00	Kg	7.40	3,256.00

8	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)	1,000.00	Kg	13.09	13,090.00
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 RA	Hot finished welded type tubes.	250.00	Kg	75.31	18,827.50
10		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.	250.00	Kg	69.38	17,345.00
11	12.21.1 RA	Providing gola 75x75 mm in cement concrete 1 : 2 : 4 (1 cement : 2 coarse sand : 4 graded stone aggregate 10 mm and down guage) including finishing with cement mortar 1 : 3 (1 cement : 3 fine sand) as per standard design:				
		In 75 x 75 mm deep chase	30.00	Meter	88.20	2,646.00
12		12 mm cement plaster of mix:				
	13.4.2 RA	1 : 6 (1 cement : 6 coarse sand).	50.00	Sqm	99.21	4,960.50
13		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).	50.00	Sqm	114.32	5,716.00
14		20 mm cement plaster of mix:				
	13.6.2 RA	1 : 6 (1 cement : 6 coarse sand).	100.00	Sqm	135.50	13,550.00
15	13.18 RA	Neat cement punning.	10.00	Sqm	18.34	183.40
16		Distempering with 1st quality acrylic distemper (ready mixed) of approved manufacturer, of required shade and colour complete, as per manufacturer's specification				
	13.42.1 RA	Two or more coats on new / old work	250.00	Sqm	35.83	8,957.50
17		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)	100.00	Sqm	60.04	6,004.00
18	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.	450.00	Sqm	67.68	30,456.00

19		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).	20.00	Sqm	145.34	2,906.80
20		Renewing glass panes, with putty and nails wherever necessary including raking out the old putty :				
	14.5.1	Float glass panes of thickness 4 mm	2.00	Sqm	519.48	1038.96
21		Finishing walls with Acrylic Smooth exterior paint of required shade: (Excluding cost of exterior paint)				
	14.66.1 RA	Old work (Two or more coats applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	150.00	Sqm	43.02	6,453.00
22		Demolishing cement concrete manually/by mechanical means including disposal of material within 50 metres lead as per direction of Engineer Incharge.:				
	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix).	2.00	Cum	671.05	1,342.10
23	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.	1.00	Cum	978.95	978.95
24	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.	7.00	Cum	566.60	3,966.20
25	15.9.2	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:				
		In cement mortar.	1.00	Cum	676.05	676.05
26		Dismantling doors, windows and clerestory windows (steel or wood) shutter including chokhats, architrave, holdfasts, etc. complete and stacking within 50 metres lead:				
	15.12.1	Of area 3 sqm and below.	10.00	Each	101.70	1,017.00
27	15.18	Dismantling steel work in built up sections in angles, tees, flats and channels including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 metres lead.	1,000.00	Kg	1.55	1,550.00

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SCHEDULE – “B”								
Name of work : Repair of old building and related area for installation of 500 LPM PVSA Oxygen Generation System at Kasturba Hospital in BHEL Township, Bhopal.								
Issued free of cost at Gadia Store/ sub-division								
1 Cement								
2 Reinforcement Steel/TMT Bar								
3 Structural Steel (against Item at Sr. No. 08)								
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								