

TENDER NO. BHEL/NR/SCT/KOTESHWAR/OFFICE REPAIR/619

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TENDER SPECIFICATION

TENDER NO. BHEL/NR/SCT/KOTESHWAR/OFFICE REPAIR/619

FOR

Repair of Site Office at Koteswar HEP, Uttarakhand

PART I –PRICE BID



भारत हैवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)
Power Sector – Northern Region,
Plot No. 25, Sector - 16A ,
Distt. Gautam Budh Nagar, NOIDA – 201 301. INDIA

**REPAIR AND STRENGTHENING OF SITE OFFICE AT KOTESHWAR
RATE SCHEDULE**

S.No.	Item Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
1	Surfact dressing of the ground including cleaning, removing vegetation and in-equalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50m and lift upto 1.5m preparation of surface in all respects to receive grouting/treatment . All kinds of soil	Sqm	400		
2	Earth work in excavation in all types of ordinary and hard soil including removal of vegetation, shrubs and debris, getting out and stacking the excavated soil, dressing of sides and ramming of bottom, dewatering of accumulated water from any source and keeping the surface dry for subsequent works such as concreting form work etc. and disposal of surplus excavated soil as directed, disposed soil to be neatly levelled and dressed lead upto 100 meters and lift upto 2.0 meter complete.	Cum	80		
3	Supplying and filling locally available earth in settled/ depressions, along plinth, foundations, etc as directed including breaking clods, laying at all depths and heights in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering complete lead upto 50 Metre and lift upto 1.5 Meter.	Cum	100		
4	Plain cement concrete of specified mix for column footing, levelling, floors etc., including cost of all materials, lead, lift, labour charges, consolidation, curing etc. complete.				
a)	1:4:8 (1 cement : 4 coarse sand and 8, 40 mm down graded stone aggregate)	Cum	10		
b)	1:2:4 (1 cement : 2 coarse sand and 4, 20 mm down graded stone aggregate) with neat cement finish	Cum	100		
2	Treatment of soil by strengthening with specified expansive plasticising grout, including drilling holes as specified, fixing grouting nozzle, preparation of grout as per manufacturer's instructions, pump grouting as per standards complete including supply of materials, labour, T&P etc in all respects as per instructions of Engineer I/C				
a)	at ground level: with Dr FIXIT PIDICRETE AM	Sqm	400		
3	Strengthening of Brick masonry at Plinth level or at lintel level by providing RCC/ MS anchors using DR FIXIT-ANCHOR FIX at regular intervals as a safeguard against further foundation settlement complete including design and execution of the scheme including supply of material, labour, T&P, all other incidentals as per satisfaction and approval of Engineer I/C	RM	80		
4	Repairing of cracks and embedding chicken mesh of atleast 400 mm wide along the length of crack, in plaster 1:4, brick masonry by filling with approved flexible putty after cleaning, preparing the crack by chipping, finishing smooth ready to receive interior /exterior paint complete including supply of materials, labour, T&P etc in all respects as per instructions of Engineer I/C				
a)	with Dr FIXIT CRACK-X PASTE	RM	85		
b)	with Dr FIXIT CRACK-X POWDER	RM	85		
5	Brick work with class designation 75 in cement mortar 1:6 (1 cement : 6 coarse sand) in foundation, plinth and super structure in thickness of 230 mm including cost of all materials, lead lifts, labour charges, mixing mortar, laying bricks, racking joints, curing etc. all complete as per drawing and specification and direction of Engineer In-charge.	Cum	25		
6	Brick work with brick of class designation 75 in cement mortar 1:4 (1 cement : 4 coarse sand) in super structure in thickness of 115 mm including cost of all materials, lead lifts, labour charges, mixing mortar, laying bricks, racking joints, curing etc. all complete as per drawing and specification. 2 nos. MS rods of 6 mm dia are to be provided after every 3rd layer for which no additional payment will be made.	Sqm	20		
7	Shuttering with material of approved quality including strutting, propping etc. and removal of form for foundations, footings, etc for mass concreting work	Sqm	100		
8	Straightening, cutting, bending, placing in position and binding of TMT Reinforcement bars all complete for RCC work (Only TMT Reinforcement FE415 bars will be issued by BHEL)	Kg	500		
9	Reinforced cement concrete of mix 1:1.5:3 (1 cement, 1.5 coarse sand and ,3 :20 mm down graded aggregate) for column footing, sunshades, shelves, lintels etc. including cost of materials, lead lift, labour charges for concreting, shuttering, curing etc. complete.	Cum	8		
10	Finishing walls/ surfaces with water proofing cement paint of approved brand and manufacture and of required shade to give an even shade.	Sqm	50		
11	Distemping with Oil bound washable distemper of approved brand and manufacture and of required shade to give an even shade on new wall (2 or more coats) over and including priming coat with cement primer.	Sqm	50		
12	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade in two or more coats on new work	Sqm	10		
13	Plastering work with cement mortar 1:6 (1 cement : 6 fine sand) 12 mm thick after scrapping and cleaning the masoary joints including scaffolding, cost of materials, labour, mixing , leads & lifts, curing etc. complete.	Sqm	100		
14	Repairing vitrified floor tiles/skirting in 60x60 cm size by dismantling, stacking, reparation of surface of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., wherever required complete including proper jointing and finishing, supply of new tiles in place of damaged tiles, materials for mortar, etc.	Sqm	100		
15	Repair of false ceiling by removal of damaged mineral fibre/gypsum 60x60 cm tiles,realignment of the AL framework/grid, refitting of same false ceiling, replacement of damaged tiles or accessories as per requirement complete including all materials like Al cleats, hangers, tees, channels, whatever required to give a neat finished look as per satisfaction of Engineer I/C	Sqm	100		

16	Repair, regrading and modification of GS valleys including required dismantling, refabrication of dismantled valleysw with supply of all J or L hooks, bolts and nuts, bitumen washers complete in all respects for proper drainage of rainwater	RM	20		
17	Repair and realignment of existing rolling shutter with repair of side guides, wire springs, including supply of extra leaves, oiling, greasing, etc complete in all respects including supply of all materials for proper functioning of rolling shutter to the satisfaction of Engr I/C	Sqm	20		
				Total	

NOTES:

1. Incomplete offer received may not be considered for the subject work.
2. The Rate shall be entered in figures as well as in words. In case of difference in rates between words and figures THE LESSER OF THE TWO will be treated as valid rate.
3. In case of omission in quoting any rate, the evaluation will be done considering the highest quoted rate obtained against that item but the work , if awarded, will be on the lowest quoted rate obtained against that item.
4. The bidders shall enter both 'Unit Rate' & 'Amount'. In case of any mismatch between 'Total Amount based on Unit Rate' & 'Total Amount as quoted', the higher of the two shall be considered for evaluation and the lower of the two shall be considered for award.