

Name of work : Miscellaneous internal building works and external civil services works at Dental education and research center - AIIMS campus, New Delhi.						
BOQ						
Item no	Discription	Unit	Quantity	Rate in Fig Rs.	Rate in words Rs.	Amount in Rs.
1.00	Earth work in excavation over areas including disposal of excavated earth lead upto 50m and lift upto 1.5m, surplus disposed earth to be levelled and neatly dressed etc complete in all respect.	CUM	20			
2.00	Filling of available excavated earth in trenches, plinth, sides of foundation etc.in layers with proper consolidationlead lead upto 50m .	CUM	20			
3.00	Providing and laying positioned cement concrete of specified grade as directed by engineer incharge.					
	a) 1:5:10 (1cement : 5coarse sand : 10 graded stone aggregade 40mm nominal size)	CUM	5			
	b) 1:4:8 (1cement: 4 coarse sand : 8 graded stone aggregade 40mm nominal size)	CUM	15			
	c) 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregade 40mm nominal size)	CUM	5			
4.00	Centering and shuttering incl. strutting, propping etc. with stel tubes and extention piers or built up section of roll steel and steel shuttering upto 3.9 m ht. and removal of form for :					
a	Fdns., footings, bases of columns etc. mass concrete and precast shelves	Sqm	20			
5.00	Brick work with bricks of class designation 75 in cement mortar 1:6 (1 cement : 6 coarse sand) as directed by engineer incharge.	CUM	15			

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6.00	Steel work welded in built up sections / frame work incl. cutting, hoisting, fixing in position, making holes, repairing and applying a priming coat of apprvd. Steel primer using structural steel etc. as rqrd.					
a	In gratings,frames, guard bar, ladders, railings, brackets, gates in similar works	Kg	75			
b	In stringers, treads, landings etc. of staircases incl. use of chequered plates, inserts etc. wherever rqrd. All complete	Kg	50			
c)	using M.S. tube (medium) of different dia	kg	125			
7.00	a) 12 mm cement plaster of mix 1:6 (1 cement : 6 medium sand) as directed by engineer incharge.	Sqm	400			
	b) Neat cement punning.	SQM	150			
8.00	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.					
a)	40mm thick with 20mm nominal size stone aggregate	SqM	150			
9.00	Cement plaster skirting & dado with cement mortar 1:3 (1 cement: 3 coarse sand) finished with a floating coat of neat cement.					
a)	18 mm thick	SQM	15			
10.00	Providing and fixing glass strips in joints of terrazzo/ cement concrete floors.					
a)	40 mm wide and 6 mm thick	Metre	150			
11.00	Painting with synthetic enamel paint of apprvd. Brand and manufacture of rqrd. Color to give an even shade:					

Item no	Discription	Unit	Quantity	Rate in Fig Rs.	Rate in words Rs.	Amount in Rs.
a	Two or more coats on new work over an under coat of suitable shade with ordinary paint incl. priming coat of ready mixed red oxide zinc chromate primer of approved brand and manufacture.	Sqm	100			
12.00	Washed stone grit plaster in two layers , under layer 12mm cement plaster 1:4 (1 cement :4 coarse sand), furrowing the under layer with scratching tool, applying cement slurry on the under layer @2kg of cement per sqmtr , top layer 15mm cement plaster 1:0					
a)	Grit wash with marble /dholpur stone chips (of desired shade/colour)	sqm	20			
13.00	Demolishing brick work (in fdn. and super structure) with all excavation and filling etc if any, incl. stacking of serviceable material and disposal of unserviceable material within 50 mtr. lead					
a	In CM	Cum	5			
14.00	Refixing of doors, windows (aluminum or flush/wooden) including their frames etc complete of area 3 sqm and below	each	10			
15.00	Transportation and disposal of all trash / rubbish / material by trucks of 5 ton capacity from the site of work to the nearest dumping ground of the local authority, incl. loading, unloading and stacking etc. complete as directed by the Enggg.	trip	10			
16.00	Providing and fixing at or near ground level precast cement concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 cement : 3 coarse sand) including the cost of required centring, shuttering and finishin					

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a)	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	CuM.	35			
17.00	Providing and fixing soil, waste and vent pipes.					
a)	100 mm dia. Centrifugally cast (spun) iron S&S	Metre	15			
b)	75 mm dia.centrifugally cast (spun) iron S & S pipe	Metre	10			
18.00	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
a)	100 mm Centrifugally cast (spun) iron S&S.	Each	3			
b)	75 mm Centrifugally cast (spun) iron S&S.	Each	2			
19.00	Providing and fixing plain bend of required degree.					
a)	100 mm Centrifugally cast (spun) iron S&S	Each	3			
b)	75 mm Centrifugally cast (spun) iron S&S	Each	2			
20.00	Providing and fixing UPVC soil, waste, vent pipework, comprising of UPVC pipe conforming to IS 4985-1983 and of class III (6 kg/sqcm) as specified below and fittings (moulded as well as fabricated) like elbows, bends, reducers, threaded tail pieces, caps					
a)	150mm dia	Rmt	25			
b)	110mm dia	Rmt	10			
c)	80mm dia	Rmt	10			
(ii)	Extra for concrete on around pipe as per standard design					
a)	150mm dia	Rmt	25			
b)	110mm dia	Rmt	10			
c)	80mm dia	Rmt	10			
21.00	P/L cement concrete 1:5:10 around SW/RCC/CI pipes incl bed concrete as per standard design					
a	100 mm dia	rmt	10			

Item no	Discription	Unit	Quantity	Rate in Fig Rs.	Rate in words Rs.	Amount in Rs.
b	150 mm dia	rmt	10			
c)	250 mm diameter	rmt	10			
22.00	Providing and laying non-pressure NP3 class (light duty) S & S R.C.C. pipes jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete.					
a)	150 mm dia R.C.C pipe	Metre	20			
b)	250 mm dia R.C.C pipe	Metre	20			
23.00	C brick masonry manhole with 75 clas designation bricks in CM 1:4 RCC top slb with 1:2:4 mix , foundation concrete 1:4:8 , inside plastering 12 mm th. With CM 1:3 finished with a floating coat of neat cement, and making necessary channels in CC 1:2:4 fini					
a	Inside size 90x80 cm and 60 cm deep incl. precast RCC cover and frame (LD2.5), rectangular shape 450x600 mm internal dimensions	each	2			
b	Inside size 120x90 cm and 90 cm deep incl. precast RCC cover and frame (MD10), circular shape 500 mm internal dimensions	each	2			
24.00	Extra depth for manholes					
a	size 90x80 cm	mtr	5			
b	size 120x90 cm	mtr	5			
25.00	C brick masonry gully chamber /catch basin 50x45x45 cm with bricks of class designation 75 in CM 1:5 incl 500x450 mm pre-cast RCC horizontal grating with frame complete as per standard desing.	each	10			
26.00	Raising manhole cover and frame slab to required level including dismantling existing slab and making good the damage as required					
	Rectangular manhole 90x80cm with cover	each	4			

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27	Supplying and fixing C.I. cover without frame for manholes:					
a	455x610 mm rectangular C.I. cover (light duty) the weight of the cover to be not less than 23 kg.	each	4			
b	500 mm diameter C.I. cover (medium duty) the weight of the cover to be not less than 58 kg.	each	4			
28.00	Making connection of drain or sewer line with existing manhole incl. breaking into and making good the walls, floors with CC 1:2:4 mix cement plastered on both sides with CM 1:3 finished with a floating coat of neat cement and making necessary channels fo					
a	For pipes 100 - 230 mm dia	each	2			
29.00	Repairing / rectification with making electrical panel on complete automation for sump pump including supply and fixing of minor parts any if required. System should be fully functional in automation mode.	each	6			
30.00	Obtaining statutory approval for water supply connection from Jal Board including misc. work any if required for obtaing above approvals. Statutory fee shall be reimbursed on actual baisis on submission of documentry evidence.	each	1			
	TOTAL					
	Quantities of any or all BOQ items may vary upto + or- 50%					