

BOQ FOR ADDITIONAL CIVIL WORKS AT ENTRANCE & INTERIOR FURNISHING WORK OF LIBRARY BUILDING AT NATIONAL INSTITUTE OF TECHNOLOGY , ROURKELA, ODISHA.					
Sl. No.	Item Description	Unit	Qty	Rate	Amount
1	Demolishing brickwork manually/ by mechanical means including stacking of servicable materials and disposal of unservicable materials with in 50mtr lead as per direction of Engineer in Charge	Cum	5	342.07	1,710.35
2	Dismantling doors windows and clearstorey windows (steel or wood shutter)including chowkaths architrave holdfasts etc. complete and stacking within 50mtr lead"				-
	Of area 3 Sq.M and below	Each	2	69.57	139.14
3	Earthwork in excavation by mechanical means (Hydraulic excavator)/manual means in foundation trenches or drains (Exceeding 30Cm in depth 1.5m in width as well as 10 Sq.M on Plan) including dressing of sides and ramming of bottoms including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50Mtr. (All kinds of Soil)	Cum	2	116.41	232.82
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Cement concrete in 1:4:8 (1 Cement : 4 sand:8 Coarse Aggregate 40mm Down)	Cum	0.5	3,077.31	1,538.66
5	Providing and laying Reinforced cement concrete in retaining walls return walls (any thickness) including attached pilasters Columns Piers Abutment Pillars Post Buttress string or lacing courses Parapets Coping bed block anchor blocks plain window sills fillets etc upto floor Five Level excluding the cost of centering and shuttering and finishing				-
	CC 1:1½:3 (1 Cement:1½ Coarse Sand:3 Coarse Aggregate 20mm Down)	Cum	0.5	5,019.81	2,509.91
6	Centering and shuttering including strutting propping etc and removal of forms for:				-
a	Lintels beams plinth beams girders bressumers and cantilevers.	Sqm	4	145.75	583.00
7	Brick work with F.P.S bricks of class designation 75 in foundation and plinth in cement mortar 1:6 (1cement: 6 Sand)	Cum	1	2,963.50	2,963.50

No of corrections:-
 No of overwritings:-
 No of interpolations:-

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
8	Brick work with F.P.S bricks of class designation 75 in Super structure above plinth level upto V floor level in all shapes and size in Cement mortar 1:6 (1cement: 6 sand)	Cum	1	3,318.10	3,318.10
9	Providing and placing reinforcement for R.C.C. work including straightening cutting bending placing in position and binding allcomplete.				-
	Thermo Mechanically Treated Bars	Kg	25	64.01	1,600.25
10	12mm cement plaster of mix 1:4 (1 cement: 4 Sand)	Sqm	20	84.84	1,696.80
11	18mm cement plaster in two coats under layer of 12mm thick cement plaster 1:5 (1 cement:5 sand) and a top layer of 6mm thick cement plaster 1:3 (1 cement:3 sand) finished rough with spounge	Sqm	18	127.36	2,292.48
12	Providing and finishing wall surface with acrylic wall care putty (water based) of approved make (Birla or Equivalent) and finished smooth and even surface to receive painting including cost of scaffolding staging charges with all cost of materials taxes labour T&P etc complete.	Sq.M	10	105.79	1,057.90
13	Distempering with 1st quality acrylic distemper (readymade) of approved manufacture and of required shade and colour complete, as per manufacturer's specification.				-
	New Work(Two or more coats)	Sq.M	12	32.73	392.76
14	Finishing walls with premium acrylic smooth extrior paint with silicone additive of required shade				-
	New work (two or more coat applied @1.43kg/10 Sq.M) over and including base coats of water proofing cement paint applied @ 2.2 Kg/10 Sq.M	Sq.M	12	69.05	828.60
15	Stone tile (polished) work for wall lining over 12mm thick bed of cement mortar 1:3 (1 cement: 3 sand) and cement slurry including pointing in white cement with an admixture of pigment to match the stone shade. (Interior)				
	Grinite stone of any colour 8mm thick (mirror polished and machine cut edge)	Sq.M	3	2,185.76	6,557.28
16	Granite (Stair case)				

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
	Providing and fixing of 18mm thick gang saw cut mirror polished (pre moulded and pre polished) machine cut for kitchen platform vanity counters window sill facials and similar location of trequired size of approved shade colour and texture laid over 20mm thick base cement mortar 1:4 with joints treated with white cement mixed with matching pigment epoxy touch ups including rubbingcuring moulding and polishing to edges to give high gloss finish etc complete at all levels				
	Granite of any colourmirror polished and machine cut edge area of slab upto 0.5Sq.M	Sqm	62	2,288.32	141,875.84
17	Stainless steel Railing (Stair case)				
	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing , balcony railing and staircases railing including applying priming coat of approved steel primer				
	Stainless steel Tube of 302/202 grade	RM	24	1303.95	31,294.80
18	Green Marble in window sills				
	Marble stone flooring with 18mm thick marble stone (sample of marble shall be approved by the Engineer in Charge. Over 20mm (average) thick base of cement mortar 1:4 (1 cement : 4 sand) laid and joined with grey cement slurry including rubbing and polishing complete with :				
	Udipur green marble	Sq.M	48	1380.09	66,244.32
19	Vitrified Tile flooring				
	Providing and laying Vitrified floor tiles in different sizes (thickness to be specified by the manufacturer)with water absorption less than 0.08% and conforming to IS 15622 of approved make in all colours shade laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand) including pointing the joints with white cement and matching pigment etc complete.				
	Sizes of Tile 60x60 Cm	Sq.M	5	997.73	4,988.65
20	Wall tile				

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS 15622 (thickness to be specified by the manufacture of approved make in all colours shade except burgundy, bottle green , black of any size as approved by engineer in Charge in skirting , risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement : 3 sand) and jointing with grey cement slurry @3.3 kg per Sq.M including pointing in white cement mixed with pigment of matching shade complete	Sq.M	7	735.92	5,151.44
21	Ceramic floor tile				
	Providing and laying ceramic glazed floor tiles 300x300mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS 15622 of approved make in colours such as white ivory grey fume red, brown laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand) including pointing the joints with white cement and matching pigment etc complete.	Sq.M	6	802.67	4,816.02
22	Double Skin Partition				
	Providing and fixing full height double skin partition upto false ceiling level using well seasoned secondary hard wood section (50.4 x 38.10mm) moisture content not more than 12% . The placement of wooden members vertically at a distance not greater than 600mm center to center & horizontally one at floor level, 2nd at 900mm, 3rd at 2100mm & 4th at bottom of roof/ beam level with respect to floor level .Then fixing the aluminium frame with floor 'or' roof by grouting with rawl plug and screw and fixing 6 mm BWR grade ply of approved make confirming to IS-303 on both sides of wooden frame with the help of approved quality adhesive and nail. Then fixing 1.00 mm thick laminate of approved make & shade on both side of partition as per the detailed working drawings & specifications cost includes all material, labour, tax, lead, T&P etc complete in all respect as per detail working drawing & direction of Architect in Charge. (Payment will be made as per measurement of one side only.)				
	Solignum solution or any other equivalent chemical shall be applied on wooden members which get concealed within the partition for anti-termite protection.	Sqm	148	3,200.00	473,600.00

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
23	Partially Glazed Partition				
	Providing and fixing full height partially glazed partition upto false ceiling level using well seasoned secondary hard wood section (50.4 x 38.10mm) moisture content not more than 12% . The placement of wooden members vertically at a distance not greater than 600mm center to center & horizontally one at floor level, 2nd at 900mm, 3rd at 2100mm & 4th at bottom of roof/ beam level with respect to floor level .Then fixing the frame with floor 'or' roof by grouting with rawl plug and screw and fixing 6 mm BWR grade ply of approved make confirming to IS-303 on both sides of wooden frame with the help of approved quality				
	adhesive and nail. Then fixing 1.00 mm thick laminate of approved make & shade on both side of partition, from 750mm level to 2100mm level the partition should have 8mm thick glass both side leaping with necessary etching as per the detailed working drawings & specifications cost includes all material, labour, tax, lead, T&P etc complete in all respect as per detail working drawing & direction of Architect in Charge. (Payment will be made as per measurement of one side only.)				
	Solignum solution or any other equivalent chemical shall be applied on wooden members which get concealed within the partition for anti-termite protection.	Sqm	298	2,800.00	834,400.00

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
24	Sliding Glass Door.				
	Sliding Glass Door:- Supplying and installation of sliding glass door made of with 12mm thick plain glass with aluminium frame four sides . The glass door will move on aluminium channels (two track) placed at floor level and top level , the glass door with all accessories , locking arrangements, 3M film on glass etc. complete.	Sqm	8	7,500.00	60,000.00
25	Low height Partition				
	Providing and fixing low height partition of height 1.2mt / as required from floor level by using well seasoned secondary hard wood section (50.8 x 38.1mm) moisture content not more than 12% . The placement of wooden members horizontally one at floor level ,second at 900mm level & third at top of the partition with respect to floor level and vertically at a distance not greater than 600mm center to center & then fixing 6 mm BWR grade confirming to IS-303 with lamination (1mm thick) of approved make & shade on both sides of partition and exposed edge of partition with teak wood moulding with melamine polish . cost includes all material, labour, tax, lead, T&P etc. complete in all respect as per detail working drawing & direction of Architect in Charge.				
	Solignum solution or any other equivalent chemical shall be applied on wooden members which get concealed within the partition for anti-termite protection. (payment will be made as per measurement of one side only)	Sqm	55	3,800.00	209,000.00
26	Gypsum False Ceiling				

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
	Providing and fixing at all height false ceiling including providing and fixing of frame work mae of special sections power pressed from M.S sheet and galvanised in accordance with zinc coating of grade 350 as per IS 277and consisting of angle cleats of size 25mm widex1.6mm thick with flanges of 22mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener12.5mm dia x40mm long with 6mm bolts to the angle hangerof 25x25x0.55mm of required length, and other end of angle hanger being fixed withnut and bolts to G.I channels 45x15x0.9mm running at the rate of 1200mm centre to centre to which the ceiling section 0.5mm thick bottom wedge of 80mm with tapered flanges of 26mm each having clips of 10.5mm at 450mm centre to centre shall be fixed in a direction perpendicular to G.I channel with connecting clips made out of				
	2.64mm dia 130mm long G.I wire at every junction including fixing the gypsum board with ceiling section and perimeter channels of 0.5mm thick 27mm high having flanges of 20mm and 30mm long, the perimeter of ceiling fixed to walls/ partition with the help of rawl plug at 450mm centre to centre with 25mm long drive all screw @230mm interval including jointing and fixing to a flush finish of tapered and square edges of the board with recommended filler, jointing tapes, finisher and two coats of primer suitable for board as per manufacturer specification and also including the cost of making opening for light fittings and grills, diffusers, cutouts made of frame of perimeter channels suitably fixed all complete as per drawing and specification and diretion of Engineer in Charge but excluding the cost of painting with:				
	12.54mm thick tapered edge gypsum board conforming to IS 2095-Part-I	Sqm	200	541.48	108,296.00
27	Distempering with 1st quality acrylic distemper (readymade) of approved manufacture and of required shade and colour complete, as per manufacturer's specification.				
	New Work(Two or more coats)	Sqm	1280	23.27	29,785.60

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
28	Flush Door				
	Providing and fixing 30 mm thick factory made flush door both side commercial confirming to IS-2202 ISI marked with both side lamination (1mm thick) of approved shade & make with teak wood edge leaping-polishing, Cylindrical lock , S.S. hinges, Door closer, door stopper, stainless steel tower bolt & all necessary hardwares cost includes all material,labour ,tax,lead,T&P etc. complete in all respects as per detail working drawing & direction of Architect in Charge.	Sqm	28	3,700.00	103,600.00
29	Panelling				
	Providing and fixing wooden panelling suitably fixed to the walls / RCC/Brick column with 19mm BWR grade Block Board finished with of 1mm thick laminate of approved make & shade complete with necessary nails & screws as per detail design including the cost of all materials, labour, overheads and T & P etc. complete in all respects as per the direction of Engineer in charge. Solignum solution or any other equivalent chemical shall be applied on wooden members which get concealed within the partition for anti-termite protection.	Sqm	15	2,250.00	33,750.00
30	Pelmet				
	Providing & Fixing pelmet made of 19mm thick BWR grade block board with 1mm thick lamination , edge beading (polished) depth of 300mm to 450mm as per the site condition	Mtr	355	850.00	301,750.00
31	French spirit polishing :				
	two or more coats on new works including a coat of wood filler.	Sq.M	95	89.13	8,467.35
32	Counter for Issue section				

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
	Providing & Fixing long counter of 750mm wide , 750mm height .The table have divided into modules, each module have 4'6" to 5'0" long. The table is made of 19mm thick BWR grade block board with top & vertical supports, front covering etc. with 1mm thick lamination on both side of the block board with edge leaping (polished) . The table (each module) comprised of storage unit one no (each storage unit have 3 no drawers) for each module , key board tray (modular) , CPU trolley (modular type), wire manager. The top of the table finished with 18mm thick prepolished black granite stone with pencil edge moulded. The internal faces painted with primer & enamel painting more than 2 coats to get an even shade. (As per the detailed working drawing)	Mtr	8	10,500.00	84,000.00
33	Credenza				
	Providing & fixing credenza of 750mm height & 450mm width with drawer (400 x 375 x 150mm) & cup board arrangement made of 19mm BWR grade Block Board confirming to IS-1659 with all exposed surface should be laminated (1.00mm thick) of approved shade & brand cost includes all material, labour,T& P, Tax,lead, hardware of approved make complete in all respects as per detail working drawing & direction of Architect in Charge. All internal surface painted with 2 coats of enamel paint over 1 coat of primer. The front surface will be fully closed by 19mm Block board with lamination. (Only front area of credenza shall be measured for Payment . i.e. (length of credenza x height). Solignum solution or any other equivalent chemical shall be applied on wooden members which get concealed within the partition for anti-termite protection	Sqm	6	8,500.00	51,000.00

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Sl. No.	Item Description	Unit	Qty	Rate	Amount
34	Table				
	Providing & fixing work station of minimum size (length of 1.25 mt -front side x 1.50 mt - other side) in plan & width of 0.6mt -front side, other side 0.45 mt / as per site condition having working desk at 0.75mt height from floor level. The table comprising of 2 no of drawer of external size (400 x 375 x 150 mm) & 1 no cupboard below drawer using 19mm BWR grade Block Board confirming to IS-1659 of approved make & quality , where as all exposed area of block board should be teak wood edge leaped and melamine polished . The top surface sides & front of cupboard shall be laminated with 1.00mm thick lamination of approved shade & make with key board tray arrangement , CPU stand provision cost includes all material, labour,T& P, Tax,lead, drawer slides, hardwares, multipurpose lock,wire manager etc. complete in all respect as per detail working drawing & direction of Architect in Charge. All internal surface painted with 2 coats of enamel paint over 1 coat of primer.				
	The front surface will be fully closed by 19mm Block board with lamination at a distance of 200mm from floor .Solignum solution or any other equivalent chemical shall be applied on wooden members which get concealed within the partition for anti-termite protection	No	3	13,000.00	39,000.00
35	Long Continuous table				
	Providing & fixing Long continuous table of 0.60 mt wide, 0.75mt height .Each module have length of 4'6" . The top of the table finished with 19mm thick Block Board with 1mm thick laminate finish of approved shade. Vertical legs and apron in 19mm thick block board with edge leaping (polished) . The table consists of one no storage unit for (4'6" long) 1 no having 3 nos drawer equally made of 19mm block board with edge beading, drawer slides, SS handle, lock , wire manager, key board tray, CPU trolley etc. complete in all respects.	Mtr	8	5,500.00	44,000.00
36	Change of Laminate				

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SI. No.	Item Description	Unit	Qty	Rate	Amount
	Providing & Fixing 1mm thick laminate of approved shade & make with necessary leaping / beading including polishing the leaping cost includes removing the existing laminate if required , surface preparation , all materials, labour, tax, lead, Tools plants etc. complete.	Sqm	25	500.00	12,500.00
37	Vertical Blind				
	Providing & Fixing vertical blinds of approved make & colour cost includes all material,labour, tax,lead,T&P etc. complete in all respects as per the direction of Architect/Engineer in charge.	Sqm	480	750.00	360,000.00

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