

Name of Work: Installation of Material Hoist at IISER Mohali.

Sr. No.	DSR 2007	Description of Item	Qty	Unit	Rate	Amount
1	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				
	2.8.1	All kinds of soil.	20	cum		
2	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	1	cum		
3	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets etc. up to floor five level, excluding the cost of centering, shuttering and finishing :				
	4.2.2	1:1½:3 (1 cement:1½ coarse sand:3 graded stone aggregate 20 mm nominal size).	6	cum		
4	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.				
	5.22.6	Thermo-Mechanically Treated bars.	500	kg		
5	9.11	Extra for providing heavy sheet float glass panes instead of ordinary float glass in glazed doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured)				
	9.11.1	5.5 mm thick instead of 4 mm thick.	10	sqm		
6	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :				
	9.96.1	300x16 mm	4	each		
7	9.97	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade with necessary screws etc. complete :				
	9.97.1	300x10 mm	8	each		
8	9.107	Providing and fixing PTMT Butt hinges with necessary screws etc. complete.				
	9.107.2	100x75x10 mm fitted with 5.5 mm dia MS Bright Bar Rod weighing not less than 53 gms.	32	each		
9	10.16	Steel work in built up tubular trusses including cutting, hoisting fixing in position and applying a priming coat of approved steel primer, welded and bolted including special shaped washers etc. Complete.				
	10.16.1	Hot finished welded type tubes.	550	Kg		

## BOQ

10	10.20	Providing and fixing bolts including nuts and washers complete.	150	kg		
11	10.25	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.				
	10.25.1	In stringers, treads, landings etc. of stair cases including use of chequered plate wherever required, all complete.	550	kg		
12	12.51	Providing and fixing pre coated galvanised steel sheet roofing accessories 0.50 mm +/- 5% total coated thickness (TCT) thick Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws or with polymer coated J or L hooks, bolts and nuts and or G.I. seam bolts and nuts, G.I. plain and bitumen washers complete :				
	12.51.5	Crimp curve	30	sqm		
13	13.48.3	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand or manufacture	250	sqm		
14	15.13	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead:				
	15.13.2	Of area beyond 3 sq. metres	5	each		
15	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	2	cum		

## BOQ

16	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and paneling to be paid for separately) :				
	21.1.1	For fixed portion				
	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	80	Kg		
17	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for				
	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	200	kg		
18	21.2	Providing and fixing 12mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-				
	21.2.2	Pre-laminated particle board with decorative lamination on both sides.	10	sqm		
19	NS	Providing and fixing heavy duty 10 hp 960 rpm 3 phase motor with 175 mm hydraulic lift breaker of MAKE CROMPTON/GEC	1	nos.		
20	NS	Providing and fixing of steel rope 12 mm dia for lifting the cage having lifting capacity of 300 kg with clamps, nut bolts all complete as per the direction of Engineer-in-Charge. Make USHA or equivalent.	110	rmt		
21	NS	Providing and fixing of gear box with 4 stage stope having capacity of 3000 kg.	1	nos.		
22	NS	Providing and fixing of electrical panel 1m x 1m for lift having 6 emergency stop button, 1 MCCB, 10 relays, push button, 3sqmm wire, 6 nos 300mm x 600mm switch box with TD 2.5mm 150 pcs.	1	nos.		
23	NS	Providing and fixing of Sal wood 2" thick on the floor and aluminium sheet over the wood.	1	job		
24	NS	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position include all necessary scaffolding upto a height of 25 mts including lifting arrangement by means of crane etc and applying a priming coat of approved steel primer all complete:	14800	kg		
		Total				

Contractor