

**Modifications of Existing A-320 Simulator 1 Building To Accommodate ATR72-212 Simulator @CTR
Ferozguda at Hyderabad
Bill of Quantities**

Sl.No	Description	Unit	Qty	Rate	Amount
1	Providing and laying of 450mm thick brick masonry work in C.M 1:6 (1 Cement, 6: Coarse sand) including all material, labour, tools and tackles in all heights and levels complete including necessary scaffolding, curing,etc.	Cum	31.00		
2a	Providing and fixing of NCL door frame of size 125x65 pressed steel door frames conforming to IS: 4351, manufactured from commercial mild steel sheet of 1.60 mm thickness, including hinges, jamb, lock jamb, bead and if required angle threshold of mild steel angle of section 50x25 mm, or base ties of 1.60 mm pressed mild steel welded or rigidly fixed together by mechanical means,including M.S. pressed butt hinges 2.5 mm thick with mortar guards, lock strike-plate and shock absorbers as specified and applying a coat of approved steel primer after pre-treatment of the surface as directed by Engineer-in-charge :Fixing with adjustable lugs with split end tail to each jamb and dash fasternes of required size	rmt	21.00		
b	M.S STEEL SHUTTER 16MM THICK 20KGS/SQM including one coat of zinc chromate priming coat and two coats of enamel paint with necessary rubber beading all round the shutters etc all complete.(when door is closed it should be air tight no gaps should be left)	KGS	180.00		
c	Providing and fixing 30 mm thick flush shutters including steel butt hinges with necessary screws ISI marked conforming to IS 2202 (part 1) non decorative type core of block board construction with frame of first class hard wood and well matched commercial 3ply veenering on one side and painting on other side including all necessary aluminium hardware etc complete.	sqm	6.00		

Sl.No	Description	Unit	Qty	Rate	Amount
3	RCC (design mix) for Foundation and slab including all materials labour and including shuttering etc excluding reinforcement steel for finished item of work M 30 grade.The rate includes the laying material transportation etc complete	cum	35.00		
4	RCC (1:1.5:3) for Lintel/Tie Beams including all materials labour and including shuttering etc excluding reinforcement steel for finished item of work M 25 grade.	cum	1.00		
5	Supplying and Fabrication of Structural Steel as per site condition as directed including all materials and labour etc complete, modification to existing railing including dismantling and cutting of existing railing at all levels with two coats anticorrosive paint and two coats of enamel paint (for platform)	kgs	10080.00		
6	Providing and Fixing of Vitrified tile flooring of 600x600 size over a cement mortar base in C.M 1:6 (1 Cement 6: Coarse aggregate) of avg thickness of 12-15mm including all Material, Labour, Tools and tackles etc., for the complete finished item at all levels and heights. basic cost of tile Rs-50/-	sqm	90.00		
7	Providing and laying three coats of Epoxy flooring over the cement concrete floor to match with the existing flooring including all Material, Labour, Tools and tackles etc., for the complete finished item at all levels and heights.	sqm	160.00		
8	Providing and fixing of Aluminium powdercoated full height Panelled partition (with necessary sections of Jindal make) partly done with Plywood and Partly with Glass all Material, Labour, Tools and necessary hardware tackles etc., for the complete finished item at all levels and heights.	sqm	44.00		
9	Providing and fixing of Aluminium powder coated Panelled Door partly done with Plywood and Partly with Glass including all Material, Labour, Tools,necessary hardware and tackles etc., for the complete finished item at all levels and heights.	sqm	3.00		

Sl.No	Description	Unit	Qty	Rate	Amount
10	Removing the existing Acoustic Wall panelling all Material, Tools and tackles etc., at all levels and heights. including disposal of the waste out side the premises with lead,lift and as directed by Engineer-in-charge.	sqm	550.00		
11	Dismantling of Existing RCC Machine Foundation and disposing the same to outside premises as directed. stacking useful material and disposing of un-usefull material outside the premises and as directed by Engineer-in-charge.	Cum	36.00		
12	Dismantling of Existing Brick masonry and disposing the same to outside premises as directed. stacking useful material and disposing of un-usefull material outside the premises and as directed by Engineer-in-charge.	Cum	4.00		
13	Removal of existing false ceiling complete neat at all levels and heights.	sqm	170.00		
14	12.5MM THICK FALSE CEILING (GRID SECTION 595mmx595mm)	sqm	170.00		
	Providing and fixing at all heights false ceiling of 12.5mm thick 595mm x 595mm size ceiling panels of GRG Panels (Glass Reinforced gypsum panels) (MINATUFF RH 99 AMSTRONG)or equivalent. The item includes providing and fixing galvanised steel, body framing consisting: including all materials labour scaffolding at all heights and levels as directed for finished item of work				
	MAIN RUNNER "T" section of size 24x38x0.35mmthick hot dipped galvanized steel body and capped with pre coated 3.6m length.				
	CROSS TEE "T" section of size 24x25x0.30mmthick hot dipped galvanized steel body and capped with pre coated 1.2M long having integral splices at both ends for straight entry to the main "T" section for inter locking and joggles to ensure minimum floating effect of pannels.				

Sl.No	Description	Unit	Qty	Rate	Amount
	CROSS TEE "T" section of size 24x25x0.30mmthick hot dipped galvanized steel body and capped with pre coated 0.6M long having integral splices at both ends for straight entry to the main "T" section for inter locking and joggles to ensure minimum float				
	WALL ANGLE perimeter wall angle of bpb which includes 0.50mm thick precoated galvanized steel of size 24x24x0.43mm thick and 3.0m long suspended length of hanger as per the site condition or as directed by Engineer- in -charge.				
15	Providing and laying PCC(1:4:8) Filling in trench including consolidating, curing,labour etc complete as directed by Engineer-in-charge.	Cum	5.00		
16	Providing and laying Steel reinforcement for RCC work with necessary binding wire, ladour,scaffolding,shuttering ect complete as directed by Engineer-in-charge.	kgs	3500.00		
17	Providing and laying polysulphide sealent compond between old and new concrete at 25mmx100mm including, labour,tools,necessary hardware,ect complete as directed by Engineer-in-charge.	Rmt	35.00		
18	Providing and laying aluminium chequered tiles of 4mm thickwith nails,necessary hardware with labour,tools ect complete as directed by Engineer-in-charge.	kgs	320.00		
19	Providing and laying PVC flooring (3mmthick) over chequered flooring of apporved make including necessary adhesives, labour,tools ect complete as directed by Engineer-in-charge.	sqm	30.00		
20	Providing and laying 25mm thick Poly Ethylene pad of Supreme Make (In Simulator Hall) between old and new concret including, labour,tools ect complete as directed by Engineer-in-charge.	sqm	24.00		

Sl.No	Description	Unit	Qty	Rate	Amount
21	Providing and laying 20mm thick internal Plastering in two coats in CM 1:6 and 1:4 with including hacking the existing surface labour,curing,scaffolding,ect for all heights complete as directed by Engineer-in-charge.(height of the simulator hall is approximately 12mts)	sqm	829.00		
22	Providing and laying 12 mm thick cement plastering with floating coat of neat cement of mix 1:4 including hacking, curing, scaffolding etc complete for all heights as directed by Engineer in charge	sqm	rate only		
23	Providing and laying two coat of plastic emulsion on birla white puttyand two coats of primer on walls of apporved and shade including, labour, scaffolding,etc complete as directed by Engineer-in-charge.	sqm	912.00		
24	Providing and laying two coat of plastic emulsion on birla white puttyand two coats of primer on old walls of approved and shade including scrapping and cleaning the existing surface and labour, scaffolding,etc complete as directed by Engineer-in-charge.	sqm	193.00		
25	Painting in two coats of Ultima external emulsion paint over a coat of primer to external walls of apporved shade including hacking and cleaning the existing surface labour,scaffolding,ect complete as directed by Engineer-in-charge.	sqm	49.00		
26	Providing and carrying Anit-termite treatment(Imidacloprid 30.5 % SC with 0.075 % concentration) or equivalent for machine foundation area with necessary approved material, labour,ect complete as directed by Engineer-in-charge.	sqm	49.00		
27	Removal of existing tiles on false flooring complete neat at all levels. including disposal of the waste out side the premises with lead,lift and as directed by Engineer-in-charge.	sqm	85.00		

Sl.No	Description	Unit	Qty	Rate	Amount
28	Providing and laying 4mm thick Rubber tiles of approved make with suitable solvent over the existing false flooring including material, labour,lead,lift etc, complet for the fiinish items complete as directed by Engineer-in-charge.	sqm	85.00		
	TOTAL				

(Rupees in words

Signature of the Contractor

Date :

Address of the Contractor: