

**1st RA BILL OF FOOD HALL\_DELHI T1 PROJECT**

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
Barricades	P F of Self standing movable barricading, with 50mm x 25mm x 1.5mm thick aluminium tube framing out of vertical members at 600mm c c with horizontal members at 600 mm c c, having 25mm x 25mm x 2mm thick aluminium angel connector of 50mm length on each junction with 2 nos of screwing system (only round head, full thread, sheet metal screws to be used) to the verticals and horizontal members to assemble the framework. The framing to be assembled on the floor wall along with adjoining walls	Sq. Mtr.	47.00	0.00	5380	252,860.00	0%	-
Film	P F of 3M™ Dusted and Frosted CRYSTAL Glass Finishes Film as per the standard methodology of application by the manufacturer. The film to be installed from the inner side to the existing glass façade wherever is required as per the site necessity to hide the unfinished view unwanted materials, etc. from external side. Size (15750 + 9500)mm L x 3600mm H.	Sq. Mtr.	91	87.33	1614	146,874.00	80%	112,754.04
Chemical Waterproofing	P A of Chemical Waterproofing System on the existing mother slabs at wet area, with chemical waterproofing system, consisting of polymer modified base coating in two layers of chemical waterproofing compound. 1st layer with two coatings of treatment with flow prime, primer on the mother slab, before doing the treatment mother slab needs to mechanical cleaning of surface and treating surface in sound, clean and free from dirt, oil and other loose material and may be done with vacuum cleaning if required, all surface cracks up to 5mm width will be filled up with approved crack paste (or equivalent) to achieve to apply the said chemical the 1st coatings of the chemical needs to dry properly before applying the 2nd layer of two coatings with polymer - polyurethane plus on the mother slab as per manufacturer s guideline, including laying of 20mm protective layer of 1 4 , cement sand mortar on the chemical treated mother slab finished in ready to receive Architectural finish, in correct line, level and plumb, curing, grouting, testing, etc. After all there should be a water pond testing (72 hours) to be done for water tightness rectifications of defects if any. Complete with 10 years performance guarantee (as per the manufacturers specifications) with client s satisfaction. Entire process to be done under guideline supervision of appointed engineering team. Make Davco K10 Polyurethane Plus Dr, Fixit Flexi PU270-I. Contracting team has to follow the detailed methodology of the manufacturers' instruction.	Sq. Mtr.	107	112.00	1883	201,481.00	80%	168,716.80

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
Chemical Waterproofing	P A of Chemical Waterproofing System on the existing wall surfaces up to 600mm height at wet area, with chemical waterproofing system, consisting of polymer modified base coating in two layers of chemical waterproofing compound. 1st layer with two coatings of treatment with Flow prime, primer on the plaster finished wall surfaces, before doing the treatment surfaces needs to mechanical cleaning of surface and treating surface in sound, clean and free from dirt, oil and other loose material and may be done with vacuum cleaning if required, all surface cracks up to 5mm width will be filled up with approved crack paste (or equivalent) to achieve to apply the said chemical the 1st coatings of the chemical needs to dry properly before applying the 2nd layer of two coatings with hybrid polymer, polyurethane plus on the wall surfaces as per manufacturer s guideline, including curing, grouting, testing, etc. Complete with 10 years performance guarantee (as per the manufacturers specifications) with client s satisfaction. Entire process to be done under guideline supervision of appointed engineering team. Make Davco K10 Polyurethane Plus Dr, Fixit Flexi PU270-I. Contracting team has to follow the detailed methodology of the manufacturers' instruction.	Sq. Mtr.	69	47.52	1883	129,927.00	80%	71,590.15
Chemical Waterproofing	P A of Chemical Waterproofing System on the existing mother slabs at dry area, with chemical waterproofing system, consisting of polymer modified base coating in two layers of chemical waterproofing membrane. 1st layer with two coatings of treatment with flow prime, primer on the mother slab, before doing the treatment mother slab needs to mechanical cleaning of surface and treating surface in sound, clean and free from dirt, oil and other loose material and may be done with vacuum cleaning if required, all surface cracks up to 5mm width will be filled up with approved crack paste (or equivalent) to achieve to apply the said chemical the 1st coatings of the chemical needs to dry properly before applying the 2nd layer of two coatings with MYK-9237 on the mother slab as per manufacturer s guideline, including laying of 20mm protective layer of 1 4 , cement sand mortar on the chemical treated mother slab finished in ready to receive Architectural finish, in correct line, level and plumb, curing, grouting, testing, etc. Complete with 10 years performance guarantee (as per the manufacturers specifications) with client s satisfaction. Entire process to be done under guideline supervision of appointed engineering team. Make MYK-9237, Laticrete. Contracting team has to follow the detailed methodology of the manufacturers' instruction.	Sq. Mtr.	323	277.00	1667	538,441.00	80%	369,407.20

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
Chemical Waterproofing	P A of Chemical Waterproofing System on the existing wall surfaces up to 600mm height at wet area, with chemical waterproofing system, consisting of polymer modified base coating in two layers of chemical waterproofing compound. 1st layer with two coatings of treatment with Flow prime, primer on the plaster finished wall surfaces, before doing the treatment surfaces needs to mechanical cleaning of surface and treating surface in sound, clean and free from dirt, oil and other loose material and may be done with vacuum cleaning if required, all surface cracks up to 5mm width will be filled up with approved crack paste (or equivalent) to achieve to apply the said chemical the 1st coatings of the chemical needs to dry properly before applying the 2nd layer of two coatings with MYK-9237, Laticrete on the wall surfaces as per manufacturer s guideline, including curing, grouting, testing, etc. Complete with 10 years performance guarantee (as per the manufacturers specifications) with client s satisfaction. Entire process to be done under guideline supervision of appointed engineering team. Make MYK-9237, Laticrete. Contracting team has to follow the detailed methodology of the manufacturers' instruction.	Sq. Mtr.	29	39.37	1667	48,343.00	80%	52,498.50
AAC Block	P C of 100mm thick AAC block masonry made out from AAC Blocks conforming to IS 2185 (Part-III), walls to start from floor slab up to true ceiling, suitably anchored to back existing wall existing columns in cement mortar in 1 4 ratio, minimum 12mm thick, only 43 or 53 grade cement to be used. Constructed in perfect plum, line and level. Wall to be cured for at least 3 days. Rate inclusive of required scaffolding, ranking out the joints, cutting, providing fixing of including providing RCC patli beam and lintel work for the doors windows curved windows opening of 100mm x 100mm at every 1.00m C C with 2 nos. 8mm dia Tor bars and 6mm dia links at 300 c c in cement concrete of mix M 20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at all heights, depths and leads as directed, exclude cement plaster. Complete as per site engineer s instruction and Architectural detail drawings. All divider walls up to 4750mm ht level.	Sq. Mtr.	328	207.12	1960	642,880.00	80%	324,764.16

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
AAC Block	P C of 100mm thick AAC block masonry made out from AAC Blocks conforming to IS 2185 (Part-III), walls to start from floor slab up to 3600mm height, suitably anchored to back existing wall existing columns in cement mortar in 1 : 4 ratio, minimum 12mm thick, only 43 or 53 grade cement to be used. Constructed in perfect plum, line and level. Wall to be cured for at least 3 days. Rate inclusive of required scaffolding, ranking out the joints, cutting, providing fixing of including providing RCC patli beam and lintel work for the doors windows curved windows opening of 100mm x 100mm at every 1.00m C C with 2 nos. 8mm dia Tor bars and 6mm dia links at 300 c c in cement concrete of mix M 20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at all heights, depths and leads as directed, exclude cement plaster. Complete as per site engineer s instruction and Architectural detail drawings. All divider walls up to 3600mm ht level.	Sq. Mtr.	67	41.60	1960	131,320.00	80%	65,228.80
AAC Block	P C of 100mm thick AAC Block masonry made out from AAC Blocks conforming to IS 2185 (Part-III), walls to start from floor slab up to 1162mm height, suitably anchored to back existing wall existing columns in cement mortar in 1 : 4 ratio, minimum 12mm thick, only 43 or 53 grade cement to be used. Constructed in perfect plum, line and level. Wall to be cured for at least 3 days. Rate inclusive of required scaffolding, ranking out the joints, cutting, providing fixing of including providing RCC patli beam and lintel work for the doors windows curved windows opening of 100mm x 100mm at every 1.00m C C with 2 nos. 8mm dia Tor bars and 6mm dia links at 300 c c in cement concrete of mix M 20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at all heights, depths and leads as directed, exclude cement plaster. Complete as per site engineer s instruction and Architectural detail drawings. All divider walls up to 1162mm ht.	Sq. Mtr.	7	30.01	1960	13,720.00	80%	47,058.82
AAC Block	P C of 100mm thick Semi-Curved AAC Block masonry made out from AAC Blocks conforming to IS 2185 (Part-III), walls to start from floor slab up to 1362mm height, suitably anchored to back existing wall existing columns in cement mortar in 1 : 4 ratio, minimum 12mm thick, only 43 or 53 grade cement to be used. Constructed in perfect plum, line and level. Wall to be cured for at least 3 days. Rate inclusive of required scaffolding, ranking out the joints, cutting, providing fixing of including providing RCC patli beam and lintel work for the doors windows curved windows opening of 100mm x 100mm at every 1.00m C C with 2 nos. 8mm dia Tor bars and 6mm dia links at 300 c c in cement concrete of mix M 20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at all heights, depths and leads as directed, exclude cement plaster. Complete as per site engineer s instruction and Architectural detail drawings. All divider walls up to 1362mm ht of internal divider walls.	Sq. Mtr.	11	14.08	2548	28,028.00	80%	28,700.67

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
AAC Block	P C of 100mm thick Semi-Curved AAC Block masonry made out from AAC Blocks conforming to IS 2185 (Part-III), walls to start from floor slab up to 1162mm height, suitably anchored to back existing wall existing columns in cement mortar in 1 : 4 ratio, minimum 12mm thick, only 43 or 53 grade cement to be used. Constructed in perfect plum, line and level. Wall to be cured for at least 3 days. Rate inclusive of required scaffolding, ranking out the joints, cutting, providing fixing of including providing RCC patli beam and lintel work for the doors windows curved windows opening of 100mm x 100mm at every 1.00m C C with 2 nos. 8mm dia Tor bars and 6mm dia links at 300 c c in cement concrete of mix M 20, required formwork complete with raking out joints, curing, doing independent double legged scaffolding as per specifications etc. at all heights, depths and leads as directed, exclude cement plaster. Complete as per site engineer s instruction and Architectural detail drawings. All divider walls up to 1162mm ht.	Sq. Mtr.	25	27.46	2548	63,700.00	80%	55,982.62
Plaster	P A of single coat backing plaster of 12 : 15 mm thick in CM 1 : 4 proportion to the walls others concrete masonry surfaces including raking out joints, hacking concrete surfaces and applying approved chemical bonding agent for receiving cement finished dash coat plaster and applying a scratch coat over concrete surfaces by bonding adhesive chemical coat as directed by approved manufacturer to create a key, cleaning grooving deep junctions of concrete masonry, grouting then back by mortar mixed with non shrinking compound along with packing of clean, fresh square cut aggregate; also providing and fixing approved metal mesh (18 gauge) @ 150 : 200mm wide to junctions of concrete and masonry, preparing jambs, sills, grooves, pattas, wattas, rounding of corners, all complete as per architectural drawings, specifications and finished smooth with wooden rundha or rough to take specified cladding or as specified, depth and lifts, doing independent double-legged scaffolding, cleaning of surfaces, curing. complete as per specification and to the approval of the PM scaffolding, curing the joints, seven days water treatment as anti crack of plaster, etc.. Complete as per site engineer s instruction. These are for all the both surfaces of new constructed masonry walls rcc wall columns beams etc.	Sq. Mtr.	17	-	807	13,719.00	80%	-

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
Plaster	P A of single coat backing plaster of 12 15 mm thick in CM 1 4 proportion to the walls others concrete masonry surfaces including raking out joints, hacking concrete surfaces and applying approved chemical bonding agent for receiving cement finished dash coat plaster and applying a scratch coat over concrete surfaces by bonding adhesive chemical coat as directed by approved manufacturer to create a key, cleaning grooving deep junctions of concrete masonry, grouting then back by mortar mixed with non shrinking compound along with packing of clean, fresh square cut aggregate; also providing and fixing approved metal mesh (18 gauge) @ 150 200mm wide to junctions of concrete and masonry, preparing jambs, sills, grooves, pattas, wattas, rounding of corners, all complete as per architectural drawings, specifications and finished smooth with wooden rundha or rough to take specified cladding or as specified, depth and lifts, doing independent double-legged scaffolding, cleaning of surfaces, curing. complete as per specification and to the approval of the PM scaffolding, curing the joints, seven days water treatment as anti crack of plaster, etc.. Complete as per site engineer s instruction. These are for all one of the surfaces of new constructed masonry walls rcc wall columns beams etc.	Sq. Mtr.	319	287.32	807	257,433.00	80%	185,493.79
Plaster	P A of single coat backing plaster of 12 15 mm thick in CM 1 4 proportion to the walls others concrete masonry surfaces including raking out joints, hacking concrete surfaces and applying approved chemical bonding agent for receiving cement finished dash coat plaster and applying a scratch coat over concrete surfaces by bonding adhesive chemical coat as directed by approved manufacturer to create a key, cleaning grooving deep junctions of concrete masonry, grouting then back by mortar mixed with non shrinking compound along with packing of clean, fresh square cut aggregate; also providing and fixing approved metal mesh (18 gauge) @ 150 200mm wide to junctions of concrete and masonry, preparing jambs, sills, grooves, pattas, wattas, rounding of corners, all complete as per architectural drawings, specifications and finished smooth with wooden rundha or rough to take specified cladding or as specified, depth and lifts, doing independent double-legged scaffolding, cleaning of surfaces, curing. complete as per specification and to the approval of the PM scaffolding, curing the joints, seven days water treatment as anti crack of plaster, etc.. Complete as per site engineer s instruction. These are for all the both surfaces of new constructed masonry walls rcc wall columns beams etc.	Sq. Mtr.	134	43.15	807	108,138.00	80%	27,857.64

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
Plaster	P A of single coat backing plaster of 12 15 mm thick in CM 1 4 proportion to the walls others concrete masonry surfaces including raking out joints, hacking concrete surfaces and applying approved chemical bonding agent for receiving cement finished dash coat plaster and applying a scratch coat over concrete surfaces by bonding adhesive chemical coat as directed by approved manufacturer to create a key, cleaning grooving deep junctions of concrete masonry, grouting then back by mortar mixed with non shrinking compound along with packing of clean, fresh square cut aggregate; also providing and fixing approved metal mesh (18 gauge) @ 150 200mm wide to junctions of concrete and masonry, preparing jambs, sills, grooves, pattas, wattas, rounding of corners, all complete as per architectural drawings, specifications and finished smooth with wooden rundha or rough to take specified cladding or as specified, depth and lifts, doing independent double-legged scaffolding, cleaning of surfaces, curing. complete as per specification and to the approval of the PM scaffolding, curing the joints, seven days water treatment as anti crack of plaster, etc.. Complete as per site engineer s instruction. These are for all the both surfaces of new constructed masonry walls rcc wall columns beams etc.	Sq. Mtr.	14	61.94	807	11,298.00	80%	39,989.11
Plaster	P A of single coat backing plaster of 12 15 mm thick in CM 1 4 proportion to the semi-curved walls others concrete masonry surfaces including raking out joints, hacking concrete surfaces and applying approved chemical bonding agent for receiving cement finished dash coat plaster and applying a scratch coat over concrete surfaces by bonding adhesive chemical coat as directed by approved manufacturer to create a key, cleaning grooving deep junctions of concrete masonry, grouting then back by mortar mixed with non shrinking compound along with packing of clean, fresh square cut aggregate; also providing and fixing approved metal mesh (18 gauge) @ 150 200mm wide to junctions of concrete and masonry, preparing jambs, sills, grooves, pattas, wattas, rounding of corners, all complete as per architectural drawings, specifications and finished smooth with wooden rundha or rough to take specified cladding or as specified, depth and lifts, doing independent double-legged scaffolding, cleaning of surfaces, curing. complete as per specification and to the approval of the PM scaffolding, curing the joints, seven days water treatment as anti crack of plaster, etc.. Complete as per site engineer s instruction. These are for all the both surfaces of new constructed masonry walls rcc wall columns beams etc.	Sq. Mtr.	22	73.13	1049	23,078.00	80%	61,369.02

Sr no	Item Name	Unit	BOQ Qty	1st RA qty	Rate	Amount	Percentage	1st RA Amount
Brickbat Coba Screeding	P C of 100mm thick screed with 75mm thick broken AAC (Siporex) Block, broken Siporex block to be laid on the waterproofing treated floor in proper leveling, after laying of the Siporex block, void area to be filled up with Siporex or equivalent light weight materials including making of 25 30mm thick IPS flooring in cement concrete mix of 1 2 4 (1 cement 2 sand 4 aggregate 20mm) well vibrated, compacted, fixed to correct level and finished smooth and cured by keeping surfaces well- covered and protected against excesses of any type, all complete at all heights and leads to the satisfaction. Laying the same in proper line level on the seating area s floor to maintain the floor leveling to get the smooth surface to lay the finishing floor materials on the said surface. Complete as per architectural detail drawings instruction by the site engineer.	Sq. Mtr.	9		1850	16,650.00	0%	-
Brickbat Coba Screeding	P C of 150mm thick screed with 100 150 200mm thick broken AAC (Siporex) Block, broken Siporex block to be laid on the waterproofing treated floor in proper leveling, after laying of the Siporex block, void area to be filled up with Siporex or equivalent light weight materials including making of 25 30mm thick IPS flooring in cement concrete mix of 1 2 4 (1 cement 2 sand 4 aggregate 20mm) well vibrated, compacted, fixed to correct level and finished smooth and cured by keeping surfaces well- covered and protected against excesses of any type, all complete at all heights and leads to the satisfaction. Laying the same in proper line level on the seating area s floor to maintain the floor leveling to get the smooth surface to lay the finishing floor materials on the said surface. Complete as per architectural detail drawings instruction by the site engineer.	Sq. Mtr.	398	365.00	2700	1,074,600.00	80%	788,400.00
Brickbat Coba Screeding	P C of 50mm thick screed in cement concrete mix of 1 2 4 (1 cement 2 sand 4 aggregate 20mm) well vibrated, compacted, fixed to correct level and finished smooth and cured by keeping surfaces well- covered and protected against excesses of any type, all complete at all heights and leads to the satisfaction. Laying the same in proper line level on the seating area s floor to maintain the floor leveling to get the smooth surface to lay the finishing floor materials on the said surface. Complete as per architectural detail drawings instruction by the site engineer. It is considered for FOH Areas.	Sq. Mtr.	23	0	914	21,022.00	0%	-
					<b>Total</b>	<b>3,723,512.00</b>		<b>2,399,811.32</b>

