

Item Rate BoQ

Tender Inviting Authority: AGM (E-C)

Name of Work: Construction of Storage Hall and Primary Treatment Room for Fire Section at SGRDJI Airport, Amritsar.

Contract No: 2022_AAL_114832_1

JCC ENGINEERS PRIVATE LIMITED									
PRICE SCHEDULE									
(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevant columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)									
Sl. No.	Item Description	Item Code / Make	Quantity	Units	QUOTED RATE in Figures To be entered by the Bidder inclusive of all taxes but excluding GST	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT in Rs. P	TOTAL AMOUNT in Words	
1	2	3	4	5	7	8	10		
1	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 50 m. (All kinds of soil)	item 1	171.00	Cum	50.00	8550.00	INR Eight Thousand Five Hundred & Fifty Only		
2	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	item 2	60.00	Cum	50.00	3000.00	INR Three Thousand Only		
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	item 3	218.00	Cum	3500.00	763000.00	INR Seven Lakh Sixty Three Thousand Only		
4	Cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	item 4	138.00	Cum	5000.00	690000.00	INR Six Lakh Ninety Thousand Only		
5	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level. (Thermo-Mechanically Treated bars of grade Fe-500D or more.)	item 5	9966.00	Kg	70.00	697620.00	INR Six Lakh Ninety Seven Thousand Six Hundred & Twenty Only		
6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. (Thermo-Mechanically Treated bars of grade Fe-500D or more.)	item 6	25512.00	Kg	70.00	1785840.00	INR Seventeen Lakh Eighty Five Thousand Eight Hundred & Forty Only		

7	Centering and shuttering including strutting, propping etc. and removal of form work for : (Foundations, footings, bases of columns, etc. for mass concrete).	item 7	300.00	Sqm	175.00	52500.00	INR Fifty Two Thousand Five Hundred Only
8	Centering and shuttering including strutting, propping etc. and removal of form work for : (Lintels, beams, plinth beams, girders, bressumers and Cantilevers.)	item 8	450.00	Sqm	225.00	101250.00	INR One Lakh One Thousand Two Hundred & Fifty Only
9	Centering and shuttering including strutting, propping etc. and removal of form work for : (Suspended floors, roofs, landings, balconies and access platform).	item 9	900.00	Sqm	225.00	202500.00	INR Two Lakh Two Thousand Five Hundred Only
10	Centering and shuttering including strutting, propping etc. and removal of form work for : (Columns, Pillars, Piers, Abutments, Posts and Struts).	item 10	250.00	Sqm	225.00	56250.00	INR Fifty Six Thousand Two Hundred & Fifty Only
11	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately). a) All works upto plinth level.	item 11	66.00	Cum	5200.00	343200.00	INR Three Lakh Forty Three Thousand Two Hundred Only
12	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/ less cement used as per design mix is payable/recoverable separately). b) All works above plinth level upto floor V level.	item 12	217.00	Cum	5300.00	1150700.00	INR Eleven Lakh Fifty Thousand One Hundred Only
13	Extra for providing richer mixes at all floor levels. Note:- Excess/less cement over the specified cement content used is payable /recoverable separately. a) Providing M-30 grade concrete instead of M-25 grade BMC/ RMC. (Note:- Cement content considered in M-30 is @ 340 kg/cum).	item 13	283.00	Cum	80.00	22640.00	INR Twenty Two Thousand Six Hundred & Forty Only
14	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand).	item 14	130.00	Cum	4500.00	585000.00	INR Five Lakh Eighty Five Thousand Only
15	Providing and laying damp-proof course 40mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand (zone-III): 4 graded stone aggregate 12.5mm nominal size).	item 15	15.00	Sqm	250.00	3750.00	INR Three Thousand Seven Hundred & Fifty Only

16	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand).	item 16	169.22	Cum	4600.00	778412.00	INR Seven Lakh Seventy Eight Thousand Four Hundred & Twelve Only
17	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand).	item 17	900.00	Sqm	170.00	153000.00	INR One Lakh Fifty Three Thousand Only
18	15 mm cement plaster on rough side of single or half brick wall of mix: 1:4 (1 cement: 4 coarse sand).	item 18	900.00	Sqm	180.00	162000.00	INR One Lakh Sixty Two Thousand Only
19	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand).	item 19	1544.42	Sqm	180.00	277995.60	INR Two Lakh Seventy Seven Thousand Nine Hundred & Ninety Five and Paise Sixty Only
20	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	item 20	1800.00	Sqm	85.00	153000.00	INR One Lakh Fifty Three Thousand Only
21	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :	item 21	785.39	Sqm	850.00	667581.50	INR Six Lakh Sixty Seven Thousand Five Hundred & Eighty One and Paise Fifty Only
22	Kota stone slabs 20 mm thick in risers of steps, skirting, dado and pillars laid on 12 mm (average) thick cement mortar 1:3 (1 cement: 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slabs, including rubbing and polishing complete.	item 22	57.21	Sqm	900.00	51489.00	INR Fifty One Thousand Four Hundred & Eighty Nine Only
23	Finishing walls with Acrylic Smooth exterior paint of required shade : New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/10 sqm).	item 23	822.04	Sqm	90.00	73983.38	INR Seventy Three Thousand Nine Hundred & Eighty Three and Paise Thirty Eight Only
24	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer.	item 24	790.56	Sqm	35.00	27669.60	INR Twenty Seven Thousand Six Hundred & Sixty Nine and Paise Sixty Only
25	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	item 25	790.56	Sqm	90.00	71150.40	INR Seventy One Thousand One Hundred & Fifty and Paise Forty Only
26	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : New work (two or more coats) over and including water thinnable priming coat with cement primer.	item 26	627.50	Sqm	80.00	50200.00	INR Fifty Thousand Two Hundred Only
27	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work.	item 27	30.00	Sqm	85.00	2550.00	INR Two Thousand Five Hundred & Fifty Only

28	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately). Kiln seasoned and chemically treated hollock wood.	item 28	0.12	Cum	60000.00	7200.00	INR Seven Thousand Two Hundred Only
29	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	item 29	3.99	Sqm	1400.00	5586.00	INR Five Thousand Five Hundred & Eighty Six Only
30	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete. Galvanised M.S. Wire gauze with 0.63 mm dia wire and 1.4 mm aperture on both sides.	item 30	7.56	Sqm	550.00	4158.00	INR Four Thousand One Hundred & Fifty Eight Only
31	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	item 31	300.00	kg	70.00	21000.00	INR Twenty One Thousand Only
32	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level upto floor V level. a) Cement mortar 1:4 (1 cement : 4 coarse)	item 32	118.87	Sqm	750.00	89154.00	INR Eighty Nine Thousand One Hundred & Fifty Four Only
33	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. a) 20 mm nominal outer dia Pipes.	item 33	80.00	Mtr	250.00	20000.00	INR Twenty Thousand Only
34	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 25 mm nominal outer dia Pipes.	item 34	155.00	Mtr	250.00	38750.00	INR Thirty Eight Thousand Seven Hundred & Fifty Only
35	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge. 100 mm nominal inner dia Pipes.	item 35	40.00	Mtr	1900.00	76000.00	INR Seventy Six Thousand Only

36	Constructing brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C. top slab with 1:1.5:3 mix (1 cement :1.5 coarse sand (zone- III) : 3 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand (zone- III) : 8 graded stone aggregate 40 mm nominal size),inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement complete as per standard design : 19.7.2 Inside size 120x90 cm and 90 cm deep including C.I. cover with frame (medium duty) 500 mm internal diameter, total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg) : 19.7.2.1 With common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	item 36	2.00	each	19000.00	38000.00	INR Thirty Eight Thousand Only
37	Making soak pit 2.5 m diameter 3.0 metre deep with 45 x 45 cm dry brick honey comb shaft with bricks and S.W. drain pipe 100 mm diameter, 1.8 m long complete as per standard design. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	item 37	1.00	each	20500.00	20500.00	INR Twenty Thousand Five Hundred Only
38	Providing and fixing uplasticised PVC connection pipe with brass unions : a) 45 cm length i) 15 mm nominal bore.	item 38	9.00	each	40.00	360.00	INR Three Hundred & Sixty Only
39	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	item 39	6.00	each	350.00	2100.00	INR Two Thousand One Hundred Only
40	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 as per direction of Engineer-in-charge. 15mm nominal bore.	item 40	8.00	each	450.00	3600.00	INR Three Thousand Six Hundred Only
41	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 and shades,laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand),jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm.	item 41	50.75	Sqm	900.00	45675.00	INR Forty Five Thousand Six Hundred & Seventy Five Only
42	Providing and fixing Ist quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm,including pointing in white cement mixed with pigment of matching shade complete.	item 42	160.00	Sqm	900.00	144000.00	INR One Lakh Forty Four Thousand Only

43	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS:7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. Pan of size 580x440 mm with integral type of foot rests.	item 43	2.00	each	4000.00	8000.00	INR Eight Thousand Only
44	Providing and fixing toilet paper holder : a) C.P. brass	item 44	6.00	each	450.00	2700.00	INR Two Thousand Seven Hundred Only
45	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	item 45	4.00	each	11300.00	45200.00	INR Forty Five Thousand Two Hundred Only
46	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	item 46	6.00	each	3000.00	18000.00	INR Eighteen Thousand Only
47	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal dia	item 47	15.00	each	25.00	375.00	INR Three Hundred & Seventy Five Only
48	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	item 48	9.00	each	600.00	5400.00	INR Five Thousand Four Hundred Only
49	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : Rectangular shape 1500x450 mm	item 49	4.00	each	1300.00	5200.00	INR Five Thousand Two Hundred Only
50	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make as approved by Engineer - in - charge.	item 50	6.00	each	200.00	1200.00	INR One Thousand Two Hundred Only
51	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	item 51	4.00	each	100.00	400.00	INR Four Hundred Only
52	Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS :2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : Single half stall urinal with 5 litre P.V.C. automatic flushing cistern.	item 52	3.00	each	6000.00	18000.00	INR Eighteen Thousand Only

53	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	item 53	2,000.00	per litre	4.50	9000.00	INR Nine Thousand Only
54	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes. 110 mm diameter	item 54	44.00	metre	200.00	8800.00	INR Eight Thousand Eight Hundred Only
55	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Coupler	item 55	22.00	each	80.00	1760.00	INR One Thousand Seven Hundred & Sixty Only
56	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length,including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete. 110 mm	item 56	33.00	each	190.00	6270.00	INR Six Thousand Two Hundred & Seventy Only
57	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5°	item 57	22.00	each	165.00	3630.00	INR Three Thousand Six Hundred & Thirty Only
58	Providing and fixing square-mouth S.W. gully trap class SP-I complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design: 100x100 mm size P type a) With common burnt clay F.P.S. (non modular) bricks of class designation 7.5.	item 58	3.00	each	1565.00	4695.00	INR Four Thousand Six Hundred & Ninety Five Only

59	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: (a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS: 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. (b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. (c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge. (d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. (e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test."All above operations to be done in order and as directed and specified by the Engineer-in-Charge : With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	item 59	601.93	Sqm	1100.00	662123.00	INR Six Lakh Sixty Two Thousand One Hundred & Twenty Three Only
60	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket 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, paneling and dash fasteners to be paid for separately) : a) For fixed portion ii) Powder coated aluminium (minimum thickness of powder coating 50 micron)	item 60	418.00	Kg	400.00	167200.00	INR One Lakh Sixty Seven Thousand Two Hundred Only

61	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/neoprene gasket 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, paneling and dash fasteners to be paid for separately) : a) 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 EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) ii) Powder coated aluminium (minimum thickness of powder coating 50 micron)	item 61	618.00	Kg	415.00	256470.00	INR Two Lakh Fifty Six Thousand Four Hundred & Seventy Only
62	Providing and fixing 12 mm 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 aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. a) Pre-laminated particle board with decorative lamination on both sides	item 62	21.60	Sqm	800.00	17280.00	INR Seventeen Thousand Two Hundred & Eighty Only
63	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge . (Cost of aluminium snap beading shall be paid in basic item):	item 63	31.20	Sqm	850.00	26520.00	INR Twenty Six Thousand Five Hundred & Twenty Only
64	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 : 250x16 mm	item 64	18.00	each	190.00	3420.00	INR Three Thousand Four Hundred & Twenty Only
65	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 : 150x10 mm	item 65	108.00	each	65.00	7020.00	INR Seven Thousand & Twenty Only
66	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete : 150x10 mm	item 66	28.00	each	45.00	1260.00	INR One Thousand Two Hundred & Sixty Only
67	Providing and fixing aluminium handles, 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 : 100 mm	item 67	74.00	each	45.00	3330.00	INR Three Thousand Three Hundred & Thirty Only

68	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 100 mm	item 68	14.00	each	25.00	350.00	INR Three Hundred & Fifty Only
69	Providing and fixing ISI marked M.S. pressed butt hinges bright finished with necessary screws etc. complete : 100x58x1.90 mm	item 69	48.00	each	25.00	1200.00	INR One Thousand Two Hundred Only
70	Providing and fixing ISI marked aluminium butt hinges 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: 125x75x4 mm	item 70	122.00	each	115.00	14030.00	INR Fourteen Thousand & Thirty Only
71	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete. Twin rubber stopper	item 71	22.00	each	50.00	1100.00	INR One Thousand One Hundred Only
72	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc.complete.	item 72	34.00	each	50.00	1700.00	INR One Thousand Seven Hundred Only
73	Providing and fixing oxidised M.S. casement stays (straight peg type) with necessary screws etc. complete. 200 mm weighing not less than 120 gms	item 73	14.00	each	27.00	378.00	INR Three Hundred & Seventy Eight Only
74	Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564-embossed on the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	item 74	19.00	each	550.00	10450.00	INR Ten Thousand Four Hundred & Fifty Only
75	CARRIAGE OF MATERIALS By Mechanical Transport including loading,unloading and stacking 2km	item 75	100.00	Per trip	95.00	9500.00	INR Nine Thousand Five Hundred Only
76	Preparation of detailed structural design and drawings of the proposed storage hall and primary treatment room and other services drawings and getting the same vetted from IIT , NIT Jalandhar or any reputed Government Engineering College and provide "Good for Construction" drawings for storage hall and primary treatment room including submission of drawings (05 Sets), design etc including a soft copy, inclusive of all payment to consultant and to Govt. Engineering College etc. as specified in the technical specification and direction & satisfaction of Engineering-In-Charge. [Note:- Soil test report shall be provided by AAI].	item 76	1.00	Job	150000.00	150000.00	INR One Lakh Fifty Thousand Only

77	SITC of 1.5 Ton Inverter Type Split A.C of minimum ISEER rating 4.50 as per latest BEE guidelines (equivalent to erstwhile BEE 5 Star rating), 100% Copper consisting of single room unit (evaporator unit) with cordless remote control, digital temperature display and one outdoor condensing unit comprising of sealed rotary/twin-rotary/BLDC type compressor suitable for stabilizer free operation at 230 V,50 Hz supply and non CFC refrigerant like R- 410A/R32 capable of performing a) cooling b) de-humidifying c) Air- Circulation d) filtering. Interconnection, pipelines/cables along with PVC pipe for protection, refrigerant copper tubes (approx 3 mtrs) along with PVC pipe for protection, insulation tubes, insulating tapes, first charge of refrigerant (if required), installation of outdoor & Indoor units in wall with supply of mounting bracket, painting, sealing, civil finishing etc., complete as required. Make- as per approved make list of AAI. (77.01) Supply	item 77	10.00	Each	500000.00	500000.00	500000.00	INR Five Lakh Only
77.02	Installation, Testing & Commissioning		10.00	Each		15000.00	15000.00	INR Fifteen Thousand Only
78	Supply of metal-based Automatic Voltage Stabilizer of 5 KVA capacity with high / low cut off complete as reqd. suitable for input voltage from 160 to 280 volt giving output 200-240 volt at 50 Hz A.C. Supply.	item 78	10.00	Each		25000.00	25000.00	INR Twenty Five Thousand Only
79	Supply & fixing of suitable size Copper Refrigerant piping (Supply and return) with expanded polythene foam insulation tubing covering and protection with PVC pipe of suitable diameter for 1.5 TR AC units. Measurement of 1 Mtr. Will include both supply & return Cu. Piping with insulation. (to be measured for lengths exceeding the cumulative length of 3 metres per AC which is already in scope of item 1).	item 79	50.00	meter		1235.00	61750.00	INR Sixty One Thousand Seven Hundred & Fifty Only
80	Supply and fixing of following size 1.1 kv graded PVC insulated and FR PVC Round Sheathed, Copper Conductor (flexible) industrial cable (along with protection with PVC pipe of suitable diameter), conforming to IS 694 with upto date amendments as required of approved make. a) 4 core x 2.5 Sq.mm (to be measured for lengths exceeding the cumulative length of 3 metres indoor-outdoor power cum control cable per AC which is already in scope of item 1).	item 80	50.00	meter		235.00	11750.00	INR Eleven Thousand Seven Hundred & Fifty Only
81	Supply and fixing of 25mm dia PVC drain pipe from the respective units, clamping on different surface like wall/floor etc. i/c sealing the joints with making of openings as per site condition. (to be measured for lengths exceeding the cumulative length of 3 metres per AC which is already in scope of item 1).	item 81	50.00	meter		150.00	7500.00	INR Seven Thousand Five Hundred Only
82	Supply and fixing (in wall or ground) of colour painted M.S. angle iron frame of approx. 35x35x5mm size and mounting of outdoor A.C. units on the stand complete as reqd. Size of the frame can vary as per size of the outdoor units. The contractor shall ensure that the supplied frames are of proper size for the supplied ACs i.e. the outdoor units fit properly in the supplied stand.	item 82	10.00	Each		1500.00	15000.00	INR Fifteen Thousand Only
83	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	item 83	10.00	Each		1100.00	11000.00	INR Eleven Thousand Only
84	Supply of oil filled room heater suitable to operate on 230 volt,50 hz AC supply (similar to Model- Havells OFR 9F in 2400 watt.)	item 84	5.00	Each		9350.00	46750.00	INR Forty Six Thousand Seven Hundred & Fifty Only

85	Supply of insect killer light fitting complete with insect killer lamps and accessories suitable to operate on 230 volt,50 hz AC supply (similar to Hygiene 30 watt slim)Insect killer.	item 85	10.00	Each	1100.00	11000.00	INR Eleven Thousand Only
86	Supply of of 2x2 surface mounted LED luminaire suitable for high level of durability with high impact resistant, easy to install and ingress protection, come equipped with moulded engineering housing completed with 34 watt LED holders complete with all accessories (similar to make Catalogue LED/Havells pluto Flat Panel(Surface) Model PLUTOSURFACE2X2PLS34WLED840S or similar.)	item 86	60.00	Each	3500.00	210000.00	INR Two Lakh Ten Thousand Only
87	Supply of LED outdoor light luminaire having capacity 70 watt as per Technical Specifications attached in tender including all associated accessories, connections, inter-connections etc. complete as required at site.	item 87	6.00	meter	3000.00	18000.00	INR Eighteen Thousand Only
88	Installation, testing and commissioning of pre-wired, LED fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	item 88	66.00	Each	500.00	33000.00	INR Thirty Three Thousand Only
89	SITC of high velocity Air Curtain of following size suitable for effective air through of 02 mtrs. and velocity 8/9 mtr./sec at maximum noise level 60-65 decibels and having casing(shell) of robust construction, elegant look with superior quality powder-coated finish, impeller with forward curved blades to minimise the air cutting noise vibration free operation, easy mounting arrangement with a flat frame which can be fixed on the wall by suitable coach screws, adjustable louvers to streamline air delivery, coupled with sturdy motors for the continuous duty operation . (Make: Almonard, Model: AHV-Silent or equivalent as per AAI approved make),Size: 4 feet long.	item 89	4.00	Each	30000.00	120000.00	INR One Lakh Twenty Thousand Only
90	Supply of wall mounted fan of sweep 400mm,plastic body,1300 rpm speed,minimum air delivery 75 cmm,aerodynamically designed PP blades,superior technology for enhanced air thrust,unique pivot arrangement for tiltinh suitable for 230 volt,50 hz AC supply as per AAI approved make.	item 90	30.00	Each	3300.00	99000.00	INR Ninety Nine Thousand Only
91	Supply of 1200 mm sweep BEE Five Star rated ceiling fan of following sweep dia with copper wound with double ball bearings, ISI marked, complete with fan blades, capacitor, down rod, split pin, reel but without regulator complete as required. Note:- Colour and Speed of the fan shall be as approved by EIC.	item 91	10.00	Each	2200.00	22000.00	INR Twenty Two Thousand Only
92	Supply of single phase 950 RPM (nominal), Heavy Duty Exhaust fan of 300 mm with Louver and shutter / Wire mesh Guard etc. complete as required.	item 92	14.00	Each	2000.00	28000.00	INR Twenty Eight Thousand Only
93	Installation, testing and commissioning of ceiling fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	item 93	10.00	Each	2500.00	25000.00	INR Twenty Five Thousand Only

94	Installation of exhaust fan in the existing opening, including making good the damage, connection, testing, commissioning etc. as required.	item 94	14.00	Each	150.00	2100.00	INR Two Thousand One Hundred Only
95	SITC of 150/150 Ltrs self-contained drinking fully stainless steel body water cooler with Refrigerent suitable for operation on 230 V, 50Hz AC supply having 150 Ltrs water cooling capacity and 150 Ltrs storage capacity as per AAI approved make.	item 95	1.00	Each	45000.00	45000.00	INR Forty Five Thousand Only
96	SITC of RO system of 25ltr./hr. complete with water purification by RO,UF & TDS control with fully automatic operation with auto on and auto off facility of ABS construction with its all accessories complete as required at site as per AAI approved make.	item 96	1.00	Each	12000.00	12000.00	INR Twelve Thousand Only
97	SITC of 25 liters, 2kW storage type, vertical Geyser, with overheat cut off, multiple safety system, safety release valve, having copper element suitable to operate on 220 Volte, 50 Hz, Single Phase A.C.	item 97	2.00	Each	8000.00	16000.00	INR Sixteen Thousand Only
98	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed steel conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required. Group C	item 98	120.00	Point	455.00	54600.00	INR Fifty Four Thousand Six Hundred Only
99	Wiring for group controlled (looped) light point/fan point/exhaust fan point/ call bell point (without independent switch etc.) with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed steel conduit, and earthing the point with 1.5 sq. mm FRLS PVC insulated copper conductor single core cable etc as required. Group C	item 99	50.00	Point	455.00	22750.00	INR Twenty Two Thousand Seven Hundred & Fifty Only
100	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed steel conduit as required (100.01) 2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	item 100	130.00	metre	70.00	9100.00	INR Nine Thousand One Hundred Only
100.02	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire		130.00	metre	120.00	15600.00	INR Fifteen Thousand Six Hundred Only
100.03	2 X 4 sq. mm + 1 X 4 sq. mm earth wire		200.00	metre	180.00	36000.00	INR Thirty Six Thousand Only
101	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. (101.01) 5/6 amps switch	item 101	20.00	Each	50.00	1000.00	INR One Thousand Only
101.02	3 pin 5/6 amp socket outlet		20.00	Each	90.00	1800.00	INR One Thousand Eight Hundred Only
101.03	15/16 amp switch		60.00	Each	150.00	9000.00	INR Nine Thousand Only
101.04	6 pin 15/16 amp socket outlet		60.00	Each	120.00	7200.00	INR Seven Thousand Two Hundred Only
102	Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required. (102.01) 3 Module (100mmX75mm)	item 102	60.00	Each	50.00	3000.00	INR Three Thousand Only
102.02	6 Module (200mmX75mm)		20.00	Each	70.00	1400.00	INR One Thousand Four Hundred Only

103	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator) 4 way (4 + 12), Double door.	item 103	3.00	Each	1500.00	4500.00	INR Four Thousand Five Hundred Only
104	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole.	item 104	36.00	meter	150.00	5400.00	INR Five Thousand Four Hundred Only
105	Supplying and fixing four pole 63 amps rating, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.	item 105	3.00	meter	1300.00	3900.00	INR Three Thousand Nine Hundred Only
106	Supply of following sizes of 1.1 KV grade multi-core aluminium conductor XLPE/PVC insulated and PVC sheathed armoured power cable conforming to IS 7098 (Part-1) with upto date amendments as required. 3.5 x 70 sq. mm	item 106	300.00	meter	675.00	202500.00	INR Two Lakh Two Thousand Five Hundred Only
107	Laying and fixing of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size on wall surface as required. Above 35 sq. mm and upto 95 sq. mm	item 107	36.00	meter	50.00	1800.00	INR One Thousand Eight Hundred Only
108	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL pipe as required. Above 35 sq. mm and upto 95 sq. mm	item 108	100.00	meter	50.00	5000.00	INR Five Thousand Only
109	Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required. 3.5 X 70 sq. mm	item 109	6.00	meter	700.00	4200.00	INR Four Thousand Two Hundred Only
110	Earthing with G.I. earth pipe 4.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required.	item 110	3.00	Each	4500.00	13500.00	INR Thirteen Thousand Five Hundred Only
111	Supplying and laying 6 SWG G.I. wire at 0.50 meter below ground level for conductor earth electrode, including connection/ termination with GI thimble etc. as required.	item 111	50.00	meter	40.00	2000.00	INR Two Thousand Only
112	Providing and fixing 6 SWG dia G.I. wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ submain wiring/ cable as required.	item 112	100.00	meter	50.00	5000.00	INR Five Thousand Only
113	Providing and fixing of lightning conductor finial, made of 25 mm dia 300 mm long, G.I. tube, having single prong at top, with 85 mm dia 6 mm thick G.I. base plate including holes etc. complete as required.	item 113	3.00	Each	400.00	1200.00	INR One Thousand Two Hundred Only
114	Joining copper / G.I. tape (with another copper/ G I tape, base of the finial or any other metallic object) by riveting / nut bolting/ sweating and soldering etc as required.	item 114	3.00	Each	100.00	300.00	INR Three Hundred Only
115	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or on surface of wall for lightning conductor complete as required. (For horizontal run).	item 115	50.00	meter	100.00	5000.00	INR Five Thousand Only

116	Providing and fixing G.I. tape 20 mm X 3 mm thick on parapet or surface of wall for lightning conductor complete as required.(For vertical run).	item 116	50.00	meter	150.00	7500.00	INR Seven Thousand Five Hundred Only
117	Supply of 120 mm dia (OD-120 mm & ID-103 mm nominal) of DWC HDPE Pipe including all accessories complete as required.	item 117	200.00	meter	170.00	34000.00	INR Thirty Four Thousand Only
118	Supplying and laying of following size DWC HDPE pipe ISI marked along with all accessories like socket, bend, couplers etc. conforming to IS 14930, Part II complete with fitting and cutting, jointing etc.direct in ground (75 cm below ground level) including excavation and refilling the trench but excluding sand cushioning and protective covering etc. , complete as required.	item 118	100.00	meter	125.00	12500.00	INR Twelve Thousand Five Hundred Only
Total in Figures						12726875.48	INR One Crore Twenty Seven Lakh Twenty Six Thousand Eight
Quoted Rate in Words						INR One Crore Twenty Seven Lakh Twenty Six Thousand Eight Hundred & Seventy Five and Paise Forty Seven Only	