

NAME OF PROJECT		PROPOSED CONSTRUCTION OF HOUSING COMPLEX FOR CENTRAL GOVERNMENT EMPLOYEE WELFARE HOUSING ORGANIZATION	
LOCATION		GREATER NOIDA (U.P.)	
SCHEDULE OF TECHNICAL SPECIFICATIONS			
1	Foundations, columns upto 4th floor, lift pit, lift walls, Retaining walls etc	M:30 Grade Design Mix Concrete with OPC.	
2	Columns above 4th Floor, beams, slabs, internal lintels etc	M:25 Grade Design Mix Concrete with OPC.	
3	Steel Reinforcement	TMT bars conforming to FE 415 or above grade	
4	Walls	115 mm thick 1st class common clay burnt brick in partition walls in CM 1:4 ; 230mm thick 1st class common clay burnt brick in CM 1:6 of class designation 7.5(7.5N/MM2 compressive strength)/ AAC blocks with cement (ppc) mortar , with two bars of 6mm after every sixth course.	
5	Plastering	With OPC/PPC cement	
	Ceiling	6mm thick cement plaster of mix 1:3 (1 cement : 3 fine sand)	
	115 mm thick brick walls	15 mm thick cement plaster of mix 1:4 (1 cement : 4 fine sand)	
	230 mm thick brick walls	12 mm thick cement plaster of mix 1:6 (1 cement : 2 fine sand : 4 fine sand)	
	Concrete surfaces	12 mm thick cement plaster of mix 1:6 (1 cement : 2 fine sand : 4 fine sand)	
	External surface	20 mm thick double coat cement sand plaster mixed with approved fibers & non-shrinking (Recron) compound, 12 mm thick 1:5 (1 cement : 5 coarse sand) in first coat & 8 mm thick 1:6 (1 cement : 2 coarse sand : 4 fine sand) in second coat mixed with 2% weight water proofing compound.	
6	Wood and Aluminum work		
	Door frame	Malaysian Sal wood frame 60mm x 115 mm with single rebate,	
	Entrance Door /Balcony Door	Malaysian Sal wood frame 75mm x 150 mm with double rebate.	
	Door Panel	35 mm Masonite skin molded door panels	
	Entrance Door / Living room door panel	2nd Class Teak wood panelled shutters	
	Toilet Door	35 mm Masonite skin molded door panels	
	Windows & Ventilators	Powder coated/Anodised Aluminum Casement windows of approved makes with 5 mm thick float glass and mosquito proof wire mesh. Ventilators with louvers with 4 mm thick Clear float glass & provision for Exhaust fans.	
7	Flooring / Cladding /dado		
	Living, dining, entrance foyer area	Polished glazed Vitrified tiles (PGVT tiles basic rate Rs. 900 per sq mtrs) of size 800 mm x 800 mm.	
	Bed rooms	Polished glazed Vitrified tiles (PGVT tiles basic rate Rs. 700 per sq mtrs) of size 600 mm x 600 mm	
	Kitchen	Anti skid, Polished glazed Vitrified tiles Matt finish (PGVT tiles basic rate Rs. 700 per sq mtrs) of size 600 mm x 600 mm. Polished glazed Ceramic tiles (Tiles basic rate Rs. 250 per sq mtrs) of size 300 mm X 300 mm. 18 mm thick Granite stone slab and fascia on counters.	
	Toilets	Anti skid, Polished glazed Ceramic tiles Matt finish (Tiles basic rate Rs. 450 per sq mtrs) of size 400 mm X 400 mm on floor and 400mm x 800 mm on walls	
	Balconies	Anti skid, Polished glazed Ceramic tiles Matt finish (Tiles basic rate Rs. 450 per sq mtrs) of size 400 mm X 400 mm	
	Common Area	Polished glazed Vitrified tiles (PGVT tiles basic rate Rs. 900 per sq mtrs) of size 800 mm x 800 mm	
	Basement	100 mm thick VDF flooring	
	Stilt Parking	75 mm thick VDF flooring	
	Entrance Foyer in buildings	18 mm thick Granite flooring and dado till 1.2 m ht ( Basic Rate - Rs. 1500 per Sqmt)	
	Lift Lobby	Polished glazed Vitrified tiles (PGVT tiles basic rate Rs. 900 per sq mtrs) of size 800 mm x 800 mm	
	Staircase	18 mm thick Kota flooring ( Basic Rate - Rs. 1000 per Sqmt)	
8	False Ceiling in common areas	Combination of 12.5 mm thick Gypsum board and 15 mm thick Mineral fibre false Ceiling in common areas	
	False ceiling in Toilets	Water Resistant 12.5 mm thick Calcium silicate false ceiling in toilets	
9	Paint Finish		
	Internal Walls and ceilings	4 mm thick cement base putty, 2 coats of Low VOC Acrylic Emulsion paint, with POP cornice of approved design	
	Common areas	Distempering with 1st Quality low VOC Acrylic distemper	
	Stilt Parking	Distempering with 1st Quality low VOC Acrylic distemper	

	Basement	White wash.	
	Exterior finish	Exterior weather proof (with crack fill) <b>Texture paint</b> over a coat of white cement based putty	
	Wood Work	Low VOC <b>Synthetic Enamel</b> paint of approved quality On Door frames and skin moulded door shutters.	
	Steel work	Low VOC <b>Synthetic Enamel</b> paint of approved quality.	
7	MS works/ Structural work.		
	Basement	M.S Gratings over surface drains, M S rolling shutters in doors of sub-station, Store and Pump Rooms etc.	
	Boundary Wall	M S bars Railing and M S sections and Gate	
8	Railings		
	Staircase	<b>MS</b> sections and bars Railings with plastic/ PVC cover	as Mall Bu
	Balconies	<b>SS</b> Round section Railings	
9	Water proofing		
	Raft and Retaining Walls	<b>Integral Crystalline</b> water proofing with xypex 2000NF or penetron etc. with RMC, Tie rod treatments and coat of crystalline from positive side of wall. Box type waterproofing using Kota stone.	
	Toilet sunks	Cement based integral waterproofing treatment with waterproofing compound like <b>tapecrete</b> or <b>Integral crsyalline</b> waterproofing compound with specialise agency	
	Roofing	<b>Polyurethane Foam</b> Over deck insulation on roof and Cement based integral brickbat coba with waterproofing treatment with specialise agency	
	Basement Roof slab	<b>Integral Crystalline</b> water proofing with xypex 2000NF or penetron etc. with RMC and Guniting with cement mix with water proofing compound over welded wire mesh	
10	Plumbing and Sanitary Installations		
	Sanitary Installations	<b>Wall hung dual flushing</b> E WC, Indian WC , Pedestal Mounted Wash Basin/Counter Top wash basin of Hindware or equivalent make	
	Kitchen	<b>SS</b> Sink with drain board of "Nirali" or other approved make size	
	C P fittings	<b>SS</b> finished continental range of Jaguar or equivalent make fittings	
	Sanitary Pipes	<b>S.C.I.</b> pipes for Soil/Waste water	
	Rain Water Pipes	<b>S.C.I.</b> pipes in shafts and suspended from ceiling with brackets and External RCC hume pipes	
	Sewer Lines	<b>S.C.I.</b> spun Soil/Waste water line suspended from ceiling with brackets and external <b>PVC</b> pipes	
	Water supply pipes	Class LA of suitable Diameter	
	Over head Tank	<b>RCC</b> water tank over terrace floor	
	Under ground Tank	Recycled Flushing water, Fire fighting, domestic water, treated water with proper pumping system	
	Water Supply System	Hydro pneumatic System with standby arrangement of Gravitational supply.	
11	Fire fighting and Alarm system	<b>M S</b> piping and <b>Sprinkler system</b> with zoning in basement, External Fire Yard Hydrant, FHC on each floor as per statutory requirement.	
12	Electrical		
	Conduits	Heavy duty PVC conduits	
	Wiring	FRLS PVC insulated copper conductor cable in recessed conduits	
	Switches	Modular switches	
	Low Voltage	Fibre optics based LV system	
13	LIFTS	<b>10 and 13 passenger</b> Lifts with 1.5 m/sec speed	
14	Roads work	<b>150 mm RCC VDF</b> on top surface of road over <b>2 layers of WBM</b> with kerb stone and marking	
15	Mechanical Ventilation	Forced Air Ventilation with Mechanical means with 12 air change per hour capacity for smoke exhaust as per Fire norms	
16	Anti-termite treatment.	Anti Termite Treatment using chloropyriphos 20 % EC	
17	Rain Water Harvesting	Network of water collecting channels, chambers and recharging well	
18	Sewage Treatment Plant & Filter Bed	STP of required capacity	
19	Lighting conductor and Aviation Lights		
20	Solar lighting and water heater system	Street lights with Solar panels and Solar power based water heating system in ancillary buildings	
21	Signages and Landscape	Street signages and landscape including lighting and horticulture	
		<b>RT &amp; Associates Pvt. Ltd.</b>	