

CONTRACT SPECIFICATION

CONSTRUCTION OF PARAMEDICAL COLLEGE GROUND + 6 FLOOR INCLUDING WATER STORAGE TANK 2 NOS EACH 25000 LTRS CAPACITY AND SEPTIC TANK AND SOAK WELL FOR 100 USERS WITH NECESSARY REQD SEWAGE PIPE LINES AT HIMS VARANASI

Work under this contract shall be carried out in accordance with Schedule 'A', special conditions, Particular specifications, Drawings including notes thereon (Unless specified otherwise) and general rules and general condition of contract.

S NO	ITEM	SPECIFICATION	MAKE
1	Raft foundation	Building foundation will be raft footing with Depth of Raft will be 2.80 Mtr below Ground level as per drawing attached	As per drawing enclosed
2	Bricks	1st Quality Designation- 100	Best quality locally available as approved by Engr-in- Charge
3	Cement	Portland Pozzolona Cement	ACC Ltd, Ultratech, Birla Gold or equivalent
4	Coarse Aggregate	Coarse Aggregate for all cement concretes shall be broken / crushed stone	Dala grit /MP grit
5	Fine Aggregate (Sand)	River Sand	Dudhi sand Bihar, Chopan sand
6	All RCC work	M-25 Grade (Design Mix)	From RMC Plant as approved by Engr-in-Charge
7	Window cill	Finish with half round moulded 18 mm thick granite	As per sample approved by Engr-in-Charge
8	Plinth Protection	1000 mm wide and 75 mm thick PCC (1:3:6) in plinth protection finished with neat cement followed with 100 mm hard core	As approved by Engr-in-Charge
9	External Plaster	15 mm thick plaster in two layer in cement mortar 1:4	
10	Internal plaster	12 mm thick in cement mortar 1:6	
11	Ceiling plaster	6 mm thick in cement mortar 1:3	
12	Building Hardware	All building Hardware should be stainless steel 304 Grade	Make and size as approved by Engr-in-Charge

13	Wire cloth	Stainless steel wire cloth having 0.36 mm nominal dia of wire and 1.10 mm width of aperture	Make as approved by Engr-in-Charge
14	Reinforcement /TMT Bar	TMT steel Bar Fe 550 D Confirming to IS 1786	TATA, SAIL,JSW, JINDAL PANTHER OR Equivalent
15	Guard bar / Grill to windows and balcony covering upto top including painting	With 8 mm square bar with suitable frame work as approved by Engr-in-Charge	Make of steel : TATA, SAIL,JSW, JINDAL PANTHER OR Equivalent
16	All Room Doors	All Room doors of rooms provided with all approved fittings and locking arrangement	"TATA PRAVES DOORS"
17	All Toilet Doors	All toilet doors will be provided WPC Door with suitable frame	Rajshree
18	MS Pipe Railing	All balcony to be provided with 1 Mtr Ht MS railing which includes 300 mm high brick work at bottom	Make of steel : TATA, SAIL,JSW, JINDAL PANTHER OR Equivalent
19	SS PIPE RAILING	All staircase handrail ,baluster,vertical and horizontal supporting members to be provided with SS 304 Grade as per design.	Confirming to SS 304 Grade
20	ALUMINIUM WINDOW /VENTILATORS	All Windows and ventilators will be aluminium powder coated (50-60 micron) or anodised 15 micron of desired colour as approved by Engr-in-Charge. All window will be three track with three shutters ,made of two shutter 5 mm thick glass glazing(Modi or Saint Gobain) and one shutter provided with stainless steel mosquito proof in net of window section	JINDAL/ HINDALCO Or Equivalent
21	Roof treatment	Waterproofing treatment to roof slab laid in slope less than equal to 1 in 120	Brick coba average 120 mm thick and minimum 65 mm at khurrah as approved by Engr- in Charge
22	Roof Parapet Wall 1 Mtr High	Upto 1 mtr Height parapet wall be constructed by projecting existing column and 230 mm thick brick wall in CM 1:6	As directed by Engr -in- Charge

23	Rain water Pipes	Not less than 110 mm dia PVC rain water pipe medium density will be provided with required fittings ,PVC Grating heavy type , all vertical and hanging pipe fixed to wall by C-Channel arrangement,Concealing such pipe will be decided mutually at site with ENGR- IN- Charge and Contractor	ISI Marked as approved by Engr- in charge
24	Sewage disposal and other wasre pipes	Sewage disposal and other waste pipes as per drawing will be provided	ISI Marked as approved by Engr- in charge
25	Ground gloor finishing work	In stilt floor parking area PCC floor of 52 mm thick cement concrete flooring with concrete hardener toping under layer of 40 mm thick type B-1 (1:1.5: 3) (using 20 mm graded stone aggregate) shall be provided with glass deviding strips 40 mmx 4mm and each panel should not be more than 1200 mmx 1200 mm and finished fair with a float without using extra cement over base concrete minimum 75 mm thick.	As directed by Engr -in- Charge
26	1st Floor to 6th floor - Floor finishes	All floors to be provided with the floor tiles of varios sizes with 150 mm skirting with plaster	Kajaria, Somani, Johnson,AGL or equivalent
27	All toilets floor and wall tiles	All floor to be provided with floor tile and wall tile upto 7' height	Kajaria, Somani, Johnson,AGL or equivalent
28	PAINT	Synthetic enamel paint on Wooden/Steel	Burger, Asian, Nerolac, First Quality
29	Wall paint	Acrylic Emulsin paint	Asian, Burger, Nerolac or Equivalent
30	Electric items	Provision of lightening arrester	As per standered specification and directed by Engr -in- Charge
		All electrical items , conduit fittings etc	As per approval of Engr- in- Charge before incorporation in the work.
		FRLS Wire	Polycab, Havells or equivalent
		Switch Socket modular type	Indo Simon, Anchor, L&T, Siemens or equivalent
		Fan 1200 mm	Crompton or equivalent as approved by Engr- in- Charge
		MCB	Legrand, L&T Havells or equivalent

		Button Holder ceiling rose	Indo-simon or Equivalent
		All conduit pipes 2 mm thick in roof slab and 1.50 mm thick in wall for wiring	Make as approved by Engr- in- Charge before incorporation in the work.
31	All shuttering	To be done with 12 mm thick waterproof ply	As approved by Engr- in- Charge
32	Toilet Fittings	European water closet with flushing cistern in single piece including all fittings such as health faucet, seat cover etc complete	Parryware or equivalent as approved by Engr- in- Charge
		Wash hand basin 550 mm x 400 mm size	Parryware or equivalent as approved by Engr- in- Charge
		CP bottle trap	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		Brass CP Waste coupling 40/60 mm dia	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		CP Pillar tap/Mixture pillar cock	Parryware or equivalent as approved by Engr- in- Charge
		CP Angle cock	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		Stainless steel grating 125 mm dia	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		Urinal pot with sensor	Parryware or equivalent as approved by Engr- in- Charge
		CP shower rose	Parryware or equivalent as approved by Engr- in- Charge
		CP Toilet paper holder	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		CP Towel rail	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		CP Soap disc	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		CP Bib Taps	Parryware ,Jaquar or equivalent as approved by Engr- in- Charge
		PVC Connection 450 mm/600 mm long	Parryware or equivalent as approved by Engr- in- Charge
		SS Hanger 4/5 Peg set	As approved by Engr- in- Charge

		Looking Mirror 450 mm X 600 mm	As approved by Engr- in- Charge
33	FIRE FIGHTING WORK	Fire fighting work will be done as per standered norms of fire department as per drawing provided by project department.	As approved by Engr- in- Charge
34	Stilt floor sorronding area outside building portion	Will be provided with 80 mm thick Paver Block confirming to Design Mix- grade M-30	Best quality locally available As approved by Engr- in- Charge
Contractors are advised to visit the site and clear the issue related to drawings if any in Project office Between 9:00 AM to 5:00 PM any working day before submitting the tender .			

PM-II

PROJECT MANAGER

PROJECT HEAD