

Annexure – I

Name of Work:- “Construction of Staff Quarters [8 Nos. Type-II, 8 Nos. Type-III, 1 No Type-V for Kendriya Vidyalaya at NIT, Rourkela (Odisha).”

Brief Specifications of the building:-

Based on the approved architectural and structural drawings, the staff quarters have been constructed as detailed below:

1. Type-II Quarters: One block comprising 2 units on each floor, having a total of 8 quarters. The building is a Stilt + 4-storey RCC framed structure with a total built-up area of approximately 835 sqm.
2. Type-III Quarters: One block comprising 2 units on each floor, having a total of 8 quarters. The building is a Stilt + 4-storey RCC framed structure with a total built-up area of approximately 930 sqm.
3. Type-V Quarter: One unit comprising a Type-V quarter with one servant room, having a total built-up area of approximately 208 sqm.

The major items executed under the scope of work are briefly described below:

(i) The buildings of Type-II and Type-III are RCC framed structure (Stilt + 4 floors). Type-V quarter is single storied structure. The typical floor height is 3.15 m, and the height of the Mumty is 2.70 m.

(ii) Type-II and Type-III quarters are constructed with RCC raft foundations, while the Type-V quarter is constructed on isolated footings, with RCC columns, plinth beams, grade slabs, floor beams and slabs.

(iii) M25 design mix concrete and Fe-550D (CRS) TMT reinforcement bars have been used for RCC works as per the approved structural drawings.

(iv) Masonry work has been executed using Fly Ash Bricks of 7.5 grade.

(v) External, internal and partition walls, as well as ceilings, have been finished with cement plaster.

(vi) External surfaces have been finished with texture paint, while internal surfaces have been finished with cement-based putty, primer and premium acrylic emulsion paint.

(vii) Vitrified tile flooring has been provided in all rooms.

(viii) Ceramic tile flooring has been provided in toilets.

(ix) Granite stone flooring has been provided in staircases.

(x) Chequered tile flooring has been provided in the stilt portion.

(xi) UPVC windows with glazing and wire mesh, along with MS grills, have been provided at all window openings.

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(xii) Internal water supply lines have been provided using concealed CPVC pipes of requisite diameters.

(xiii) Sewerage lines have been connected to manholes through RCC pipes of required diameter and subsequently connected to the newly constructed septic tank.

(xiv) The entire adjoining area has been properly levelled and dressed.

(xv) Paver block flooring has been provided for the approach roads.

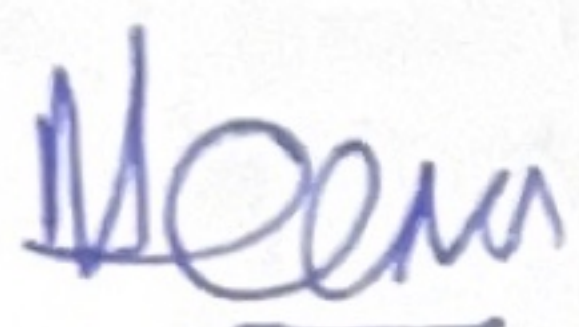
(xvi) Waterproofing treatment has been provided on the terraces.

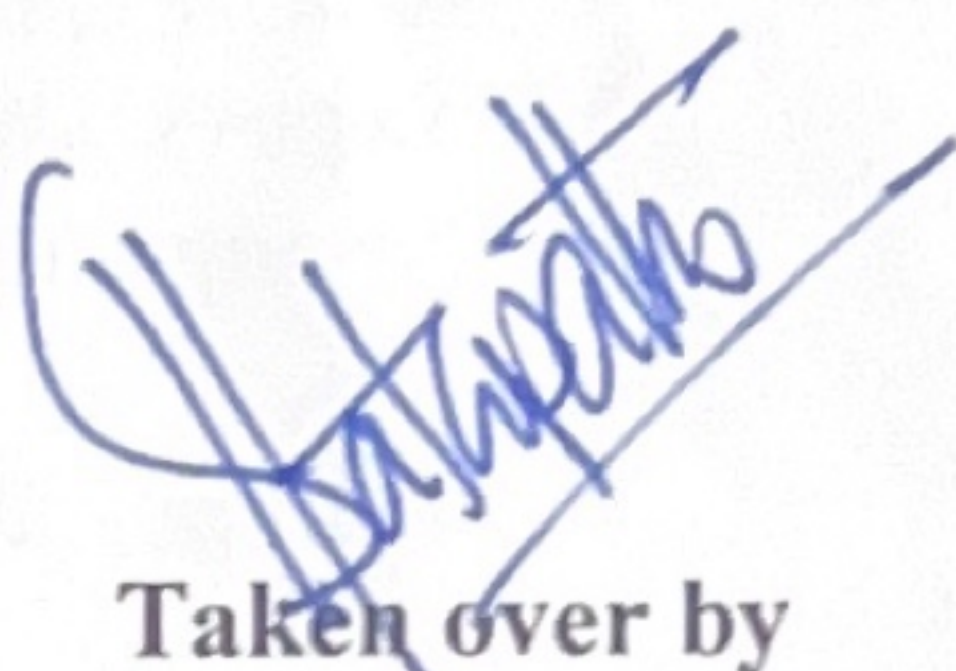
(xvii) 1000-litre capacity PVC water storage tanks have been provided for each quarter.

(xviii) Stainless steel (SS) railings have been provided in all staircases.

(xix) WPC cupboards with locking arrangements and modular kitchen cabinets have been provided in the quarters.

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Inventory Quarters - CP & Sanitary Toilet Fittings

Accessories	IWC	EW/C	PVC Cistern	Basin With Pedestal	Table Top Basin	Waste Coupling	Pillar Cock	Mirror	Bottle Trap	Bib Cock	2 Way Bib Cock	Angle Valve	Health Faucet	Wall Mixer	Shower	Sink & Sink Cock	Bib Cock with Nozzle	Wall Hanging WC Set	Connec tion Pipe	Waste Pipe	Water Tanks & Float Valve
Type II Quarter (8 Nos)																					
Common Toilet	-	8	8	8	-	8	8	8	-	-	8	32	8	8	8	-	-	-	16	8	-
WC	-	8	8	-	-	-	-	-	-	-	8	8	8	-	-	-	-	-	8	-	-
Kitchen	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	8	-	-	-	-	-
Utility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
Type III Quarter (8 Nos)																					
Common Toilet	-	8	8	8	-	8	8	8	-	-	8	32	8	8	8	-	-	-	16	8	-
Attached Toilet	-	8	8	8	-	8	8	8	-	-	8	32	8	8	8	-	-	-	16	8	-
Kitchen	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	8	-	-	-	-	-
Utility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
Type V Quarter																					
Common Toilet	-	-	-	-	1	1	1	1	1	-	1	4	1	-	1	-	-	1	3	-	-
Attached Toilet 1	-	-	-	-	1	1	1	1	1	-	1	4	1	-	1	-	-	1	3	-	-
Attached Toilet 2	-	-	-	-	1	1	1	1	1	-	1	4	1	-	1	-	-	1	3	-	-
Servant Toilet	1	-	1	1	-	1	1	1	-	1	-	2	-	1	1	-	-	-	2	1	-
Kitchen	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Servant Kitchen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Utility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Guard Room																					1
Security Toilet	-	1	1	1	-	1	1	1	-	-	1	2	1	-	-	-	-	-	2	1	-
Assembly Stage																					
Common Toilet 1	-	1	1	1	-	1	1	1	-	-	1	2	1	-	-	-	-	-	2	1	-
Common Toilet 2	-	1	1	1	-	1	1	1	-	-	1	2	1	-	-	-	-	-	2	1	-
Total	1	35	36	28	3	31	31	31	3	1	38	141	38	25	28	18	17	3	73	28	20

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राष्ट्रीय प्रशासनिक निदेश, १९८०
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Estate Management

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06/09/25

Inventory Quarters - Door Fittings

Description	No of Doors	UPVC Windows	UPVC Ventilators	SS Slidding Door Bolt 250x16mm	SS Tower Bolt 250x10mm	SS Door Latch 250x12mm	SS Handle 200mm	Door Silencer	Door Stopper
Type II Quarter									
Quarter Entrance Door = D1 (1000x2100)	8	-	-	8	8	8	16	8	8
Balcony Doors = D2 (900x2100)	16	-	-	16	-	-	32	-	16
Bedroom Doors = D2 (900x2100)	16	-	-	16	16	16	32	16	16
Kitchen Door = D2 (900x2100)	8	-	-	8	-	-	16	8	8
Toilet Door = D3 (800x2100)	16	-	-	16	16	16	32	16	-
Type III Quarter									
Quarter Entrance Door = D1 (1000x2100)	8	-	-	8	8	8	16	8	8
Balcony Doors = D2 (900x2100)	16	-	-	16	-	-	32	16	16
Bedroom Doors = D2 (900x2100)	16	-	-	16	16	16	32	8	16
Kitchen Door = D2 (900x2100)	8	-	-	8	-	-	16	8	8
Toilet Door = D3 (800x2100)	16	-	-	16	16	16	16	16	-
Type V Quarter									
Entrance Door = D (1200x2100) Double Leaf	1	-	-	1	2	1	4	1	2
Utility Door = D1 (1000x2100)	1	-	-	1	-	-	2	1	1
Bedroom Door = D1 (1000x2100)	3	-	-	3	3	3	6	3	3
Staircase Door = D1 (1000x2100)	1	-	-	1	-	-	2	1	1
Kitchen Door = D2 (900x2100)	1	-	-	1	-	-	2	1	1
Verandah Door = D2 (900x2100)	2	-	-	2	-	-	4	2	2
Servant Room Entrance Door = D2 (900x2100)	1	-	-	1	1	1	2	1	1
Servant Room Door = D2 (900x2100)	1	-	-	1	1	1	2	1	1
Toilet Door = D3 (800x2100)	4	-	-	-	4	8	8	4	-
Canteen, Guard Room & Substation									
Entrance Door = D5 (900x2100 mm)	3	-	-	3	3	3	6	-	3
Guard Room Toilet = D7 (800x2100 mm)	1	-	-	1	1	1	2	1	2
Assembly Stage									
D6 = Double Leaf Shutter (1200x2100 mm)	4	-	-	4	8	4	8	-	8
Toilet = D7 (800x2100 mm)	1	-	-	1	1	1	2	-	-
Total	152	28	11	148	104	103	290	120	121

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Inventory Quarters - CP & Sanitary Toilet Fittings

Accessories	IWC	EW C	PVC Cistern	Basin With Pedestal	Table Top Basin	Waste Coupling	Piller Cock	Mirror	Bottle Trap	Bib Cock	2 Way Bib Cock	Angle Valve	Health Faucet	Wall Mixer	Shower	Sink & Sink Cock	Bib Cock with Nozzle	Wall Hanging WC Set	Connec tion Pipe	Waste Pipe	Water Tanks & Float Valve
Type II Quarter (8 Nos)																					
Common Toilet	-	8	8	8	-	8	8	8	-	-	8	32	8	8	8	-	-	-	16	8	-
WC	-	8	8	-	-	-	-	-	-	-	8	8	8	-	-	-	-	-	8	-	-
Kitchen	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	8	-	-	-	-	-
Utility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
Type III Quarter (8 Nos)																					
Common Toilet	-	8	8	8	-	8	8	8	-	-	8	32	8	8	8	-	-	-	16	8	-
Attached Toilet	-	8	8	8	-	8	8	8	-	-	8	32	8	8	8	-	-	-	16	8	-
Kitchen	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	8	-	-	-	-	-
Utility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-
Type V Quarter																					
Common Toilet	-	-	-	-	1	1	1	1	1	-	1	4	1	-	1	-	-	1	3	-	-
Attached Toilet 1	-	-	-	-	1	1	1	1	1	-	1	4	1	-	1	-	-	1	3	-	-
Attached Toilet 2	-	-	-	-	1	1	1	1	1	-	1	4	1	-	1	-	-	1	3	-	-
Servant Toilet	1	-	1	1	-	1	1	1	-	1	-	2	-	1	1	-	-	-	2	1	-
Kitchen	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	-
Servant Kitchen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Utility	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-
Guard Room																					
Security Toilet	-	1	1	1	-	1	1	1	-	-	1	2	1	-	-	-	-	-	2	1	-
Assembly Stage																					
Common Toilet 1	-	1	1	1	-	1	1	1	-	-	1	2	1	-	-	-	-	-	2	1	-
Common Toilet 2	-	1	1	1	-	1	1	1	-	-	1	2	1	-	-	-	-	-	2	1	-
Total	1	35	36	28	3	31	31	31	3	1	38	141	38	25	28	18	17	3	73	28	20

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राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला

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Estate Management

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06/10/2016

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Inventory Quarters - Door Fittings

Description	No of Doors	UPVC Windows	UPVC Ventilators	SS Slidding Door Bolt 250x16mm	SS Tower Bolt 250x10mm	SS Door Latch 250x12mm	SS Handle 200mm	Door Silencer	Door Stopper
Type II Quarter									
Quarter Entrance Door = D1 (1000x2100)	8	-	-	8	8	8	16	8	8
Balcony Doors = D2 (900x2100)	16	-	-	16	-	-	32	-	16
Bedroom Doors = D2 (900x2100)	16	-	-	16	16	16	32	16	16
Kitchen Door = D2 (900x2100)	8	-	-	8	-	-	16	8	8
Toilet Door = D3 (800x2100)	16	-	-	16	16	16	32	16	-
Type III Quarter									
Quarter Entrance Door = D1 (1000x2100)	8	-	-	8	8	8	16	8	8
Balcony Doors = D2 (900x2100)	16	-	-	16	-	-	32	16	16
Bedroom Doors = D2 (900x2100)	16	-	-	16	16	16	32	8	16
Kitchen Door = D2 (900x2100)	8	-	-	8	-	-	16	8	8
Toilet Door = D3 (800x2100)	16	-	-	16	16	16	16	16	-
Type V Quarter									
Entrance Door = D (1200x2100) Double Leaf	1	-	-	1	2	1	4	1	2
Utility Door = D1 (1000x2100)	1	-	-	1	-	-	2	1	1
Bedroom Door = D1 (1000x2100)	3	-	-	3	3	3	6	3	3
Staircase Door = D1 (1000x2100)	1	-	-	1	-	-	2	1	1
Kitchen Door = D2 (900x2100)	1	-	-	1	-	-	2	1	1
Verandah Door = D2 (900x2100)	2	-	-	2	-	-	4	2	2
Servant Room Entrance Door = D2 (900x2100)	1	-	-	1	1	1	2	1	1
Servant Room Door = D2 (900x2100)	1	-	-	1	1	1	2	1	1
Toilet Door = D3 (800x2100)	4	-	-	-	4	8	8	4	-
Canteen, Guard Room & Substation									
Entrance Door = D5 (900x2100 mm)	3	-	-	3	3	3	6	-	3
Guard Room Toilet = D7 (800x2100 mm)	1	-	-	1	1	1	2	1	2
Assembly Stage									
D6 = Double Leaf Shutter (1200x2100 mm)	4	-	-	4	8	4	8	-	8
Toilet = D7 (800x2100 mm)	1	-	-	1	1	1	2	-	-
Total	152	28	11	148	104	103	290	120	121

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Sumit
8/10/20