

Name of Work:- "Construction of School building (G+1) Type-A, Staff Quarters [8 Nos. Type-II, 8 Nos. Type-III, 1 No Type-V], MP Hall, Pump House, Canteen etc. for Kendriya Vidyalaya at NIT, Rourkela (Odisha) including Internal Water supply, Sanitary Installations, Interning Internal and External services of Civil, Electrical & Mechanical, Developments and Bulk services like Boundary wall, Roads, Drains, Cycle shades, Playgrounds, networking, Fire Alarm, Firefighting, DG Set, UPS, CCTV, Roof top Solar PV, Substation and Passenger Lift etc".

Brief Specifications of the building:-

Based upon approved architectural & structural drawings, various rooms of School Building & MP Hall work have been constructed and the details of each Rooms are mentioned as below:-

Built Up Area :-

A) School Building (G+1) :-

- | | |
|------------------------------|-----------------|
| a. Ground Floor | = 2581.00 Sqm |
| b. First Floor | = 2560.00 Sqm |
| c. 3 Nos Staircase Mumty | =62.00 Sqm |
| d. Porch Area | =25.00 Sqm(50%) |
| e. Stage | =13.00 Sqm(50%) |
| f. 1 No. Floor to Floor Ramp | =154.00 Sqm |
| g. 2 Nos. Accessible Ramp | =24 Sqm(50%) |

Total Built-up Area = 5419.00 Sqm

B) Multipurpose Hall :-

- | | |
|-------------------------------|-------------|
| a. Ground Floor | =454.00Sqm |
| b. 2 Back Stage Entrance Area | =18.00 Sqm |
| c. Ramp Area | =14.00 Sqm |
| d. Entrance Verandah Area | =66.00 Sqm |
| e. Total Built up Area | =552.00 Sqm |

Details of rooms:-

(A) **Ground Floor:-** Classrooms 5 nos, Balvatika 6 nos, Computer Lab (Primary) 1 no, Chemistry Lab 1 no, Physics Lab 1 no, Balvatika Activity Room 1 no, Social Resource Room (Primary) 1 no, Library 1 no, Principal Room 1 no, Office 1 no, Staff Room (Primary) 1no, Head Master Room 1 no, Medical Room 1 no, Balvatika Girls toilet 1 no, Balvatika Boys toilet 1 no, Primary Girls toilet 1 no, Primary Boys toilet 1 no, Staff toilet ladies 1 no, Staff toilet gent 1 no, Handicapped toilet 2 nos, Drinking water provision 2 nos.

(B) **First Floor:-** Classroom 7 nos, Computer Lab 2 nos, AV Lab 1 no, Maths Lab 1 no, Biology Lab 1 no, JR Science Lab 1 no, Social Science Lab 1 no, Language Lab 1 no, Social Resource Room H.Secondary 1 no, Atal Tinkering Lab 1 no, Art Room 1 no, Composite Vocational Lab 1 no, Exam Room 1 no, PET Room 1 no, NCC/Scout Room 1 no, Staff Room Secondary 1 no.

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The School building & MP hall have been constructed based on the approved architectural working drawings and associated structural drawings .

The details of various types of items present in the scope of work and executed accordingly in School building & MP hall incorporated are mentioned briefly as follows:-

- The buildings are of RCC framed structure.
- (i) The floor height of School Building & MP Hall are +3.60 & 10.2 Metre respectively and Mumty Room height of School Building is +3.45 Mtr.
 - (ii) School Building & MP Hall are framed with RCC foundation with isolated footings, Combined Footing, Raft, columns, Plinth beams, grade slab, floor beams and slabs.
 - (iii) The grade of concrete used is of M25 design mix and steel reinforcement of Fe-550D(CRS) TMT Bar is used in Reinforced Cement Concrete as per approved structural drawing.
 - (iv) The masonry work for School building & MP Hall have been carried out with Fly ash bricks of grade 7.5 designation.
 - (v) The external, internal and partition walls are finished with cement plaster and MP hall ceiling is covered with False ceiling after application of priming coat on the RCC ceiling.
 - (vi) Over plastering surfaces, external surfaces have been finished with texture paint and internal surfaces have been finished with cement based putty followed by primer and premium acrylic emulsion paint.
 - (vii) Class and Student Access Rooms walls have been painted with enamel paint upto the height of 1.0 m.
 - (viii) Flooring Details of Rooms:-

Kota Flooring – Balvatika class rooms, Balvatika Activity Room, Social Resource Room (Primary), Physics Lab, Chemistry Lab, Classroom, Library, Biology Lab, Maths Lab, NCC/Scout Room, PET Room, MP Hall.

Vitrified Tile – Computer Lab(Primary), Head Master Room, Medical Room, Staff Room(Primary), Office, Principal Room, Composite Vocational Lab, Atal Tinkering Lab, Social Resource Room(H.Secondary), Language Lab, Social Science Lab, JR Science Lab, Art & Craft Room Room, AV Lab, Computer Lab-2 H.Secondary, Computer Lab-1 H.Secondary, Staff Room Secondary, Exam Room.

Granite Flooring:- Corridor, staircases and varandah.

Ceramic tiles :- All Toilets

- (viii) WPC Door frames and Shutters i/c respective fittings and fixtures are fixed in all toilets and bathrooms & WPC Door frames i/c respective fittings and fixtures are fixed in all the main doors of building, outer main entry door is made up of Glazed upvc door shutters and frames.

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- (ix) UPVC windows with glass & wiremesh, MS Grills are provided in all windows openings.
- (x) All internal water supply lines with concealed CPVC pipes of different diameters.
- (xi) All the sewerage lines are connected to manholes with required diameter of RCC pipes and finally connected to newly constructed Septic Tank.
- (xii) Entire adjacent area is properly levelled, dressed.
- (xiii) The entire building is protected with plinth protection of 1.0m wide.
- (xiv) Approach roads is provided with chequered tile on the front portion of porch of School building.
- (xv) Waterproofing treatment has been done on the terrace of School Building & MP Hall & FF toilet area of the School building.
- (xvi) PVC water storage tank in School building 25,000 litres and in MP hall 2000 litres.
- (xvii) Stainless Steel studs have been provided in School building corridor.
- (xviii) SS railing provided at all staircase and along the corridor wall.
- (xix) WPC cupboard with locking facility at side of staircases and in all toilets.

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Inventory - Door Fittings

Name of work :- Construction of School building (G+1) Type-A, Staff Quarters [8 Nos. Type-II, 8 Nos. Type-III, 1 No Type-V], MP Hall, Pump House, Canteen etc. for Kendriya Vidyalaya at NIT, Rourkela (Odisha)

Description	SS Slidding Door Bolt	SS Tower Bolt	SS Door Latch	SS Door Handle	Door Stopper	Door Closer
School Building - Ground Floor						
Principal Room Entrance Door	1	1	1	4	2	1
Principal Room Toilet Door	1	1	1	2	-	-
Balvatika Classroom 1	2	2	1	8	4	-
Balvatika Classroom 2	2	2	1	8	4	-
Balvatika Classroom 3	2	2	1	8	4	-
Balvatika Classroom 4	2	2	1	8	4	-
Balvatika Classroom 5	2	2	1	8	4	-
Balvatika Classroom 6	2	2	1	8	4	-
Social Resource Room (Primary)	2	2	1	8	4	-
Balvatika Activity Room	2	2	1	8	4	-
Electrical Room	1	1	-	4	2	-
Physics Lab Entrance	1	1	1	4	2	-
Physics Lab Teacher Room	1	1	1	2	1	-
Chemistry Lab Entrance	1	1	1	4	2	-
Chemistry Lab Teacher Room	1	1	1	2	1	-
Computer Lab (Primary)	2	2	1	8	4	1
Classroom 5th	2	2	1	8	4	-
Classroom 4th	2	2	1	8	4	-
Classroom 3rd	2	2	1	8	4	-
Classroom 2nd	2	2	1	8	4	-
Classroom 1st	2	2	1	8	4	-
Library	2	2	1	6	3	-
Head Master Room	1	1	1	4	2	-
Medical Room	1	1	1	4	2	-
Staff Room (Primary)	1	1	1	4	2	-
Staff Room Toilet Door	1	1	1	2	-	-
Office	1	1	1	4	2	1

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Estate Management
N.I.T., Rourkela-3

Description	SS Slidding Door Bolt	SS Tower Bolt	SS Door Latch	SS Door Handle	Door Stopper	Door Closer
Toilet Doors						
Staff Gents Toilet Entrance	1	-	-	2	-	1
Staff Gents Toilet WC Door	2	2	2	4	-	-
Staff Ladies Toilet Entrance	1	-	-	2	-	1
Staff Ladies Toilet WC Door	3	3	3	6	-	-
Balvatika Girls Toilet Entrance	1	-	-	2	-	1
Balvatika Girls Toilet WC Door	-	5	5	10	-	-
Balvatika Boys Toilet Entrance	1	-	-	2	-	1
Balvatika Boys Toilet WC Door	-	5	5	10	-	-
Primary Girls Toilet Entrance	1	-	-	2	-	1
Primary Girls Toilet WC Door	-	5	5	10	-	-
Primary Boys Toilet Entrance	1	-	-	2	-	1
Primary Boys Toilet WC Door	-	5	5	10	-	-
School Building - First Floor						
Exam Room	1	1	1	4	2	-
Composit Vocational Lab	1	1	1	4	2	-
Atal Tinkering Lab	1	1	1	4	2	-
Social Resource Room (H. Secondary)	1	1	1	4	2	-
Language Lab	2	2	1	8	4	-
Social Science Lab	2	2	1	8	4	-
Jr. Sceince Lab	2	2	1	8	4	-
Biology Lab Entrance	1	1	-	4	2	-
Biology Lab Teacher Room	1	1	1	2	1	-
Room	1	1	1	2	1	-
Art & Craft Room	2	2	1	8	4	-
Maths Lab	2	2	1	8	4	-
AV Lab	2	2	1	8	4	-
Electrical Room	1	1	-	4	2	-
Computer Lab 1	2	2	1	8	4	2
UPS Room 1	1	1	1	2	1	-
Computer Lab 2	2	2	1	8	4	2
UPS Room 2	1	1	1	2	1	-
Classroom 12th	2	2	1	8	4	-
Classroom 11th	2	2	1	8	4	-

Dr. J. E. CPWD

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Executive Engineer
 State Management
 N.I.T., Rourkela-3

Description	SS Slidding Door Bolt	SS Tower Bolt	SS Door Latch	SS Door Handle	Door Stopper	Door Closer
Classroom 10th	2	2	1	8	4	-
Classroom 9th	2	2	1	8	4	-
Classroom 8th	2	2	1	8	4	-
Classroom 7th	2	2	1	8	4	-
Classroom 6th	2	2	1	8	4	-
Staff Room (Secondary)	1	1	1	4	2	-
NCC Room	1	1	1	4	2	-
PET Room	1	1	1	2	1	-
Toilet Doors						
Staff Gents Toilet Entrance	1	-	-	2	-	1
Staff Gents Toilet WC Door	3	3	3	6	-	-
Staff Ladies Toilet Entrance	1	-	-	2	-	1
Staff Ladies Toilet WC Door	3	3	3	6	-	-
Girls Toilet 1 Entrance	1	-	-	2	-	1
Girls Toilet 1 WC Door	-	5	5	10	-	-
Boys Toilet 1 Entrance	1	-	-	2	-	1
Boys Toilet 1 WC Door	-	5	5	10	-	-
Girls Toilet 2 Entrance	1	-	-	2	-	1
Girls Toilet 2 WC Door	-	5	5	10	-	-
Boys Toilet 2 Entrance	1	-	-	2	-	1
Boys Toilet 2 WC Door	-	5	5	10	-	-
Multipurpose Hall						
Room Entrance Door (2 Nos)	2	2	2	4	2	-
Room to Stage Door (2 Nos)	2	2	2	4	2	-
Toilet Door (2 Nos)	2	2	2	4	-	-
Utility Door (2 Nos)	2	2	2	4	-	-
Total	116	144	111	462	162	19

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Swajit Das
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Estate Management
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Inventory - CP & Sanitary Toilet Fittings

Name of work :- Construction of School building (G+1) Type-A, Staff Quarters [8 Nos. Type-II, 8 Nos. Type-III, 1 No Type-V], MP Hall, Pump House, Canteen etc. for Kendriya Vidyalaya at NIT, Rourkela (Odisha)

Accessories	IWC	EWC	PVC Cistern	Basin With Pedestal	Under Counter Basin	Waste Coupling	Pillar Cock	Bottle Trap	Urinal with Valve	Urinal Partition	Bib Cock	2 Way Bib Cock	Angle Valve	Health Faucet	Grab Bar Set	Connection Pipe	Waste Pipe
School Building																	
Ground Floor																	
Boys Toilet (2 Nos)	6	2	8	-	8	8	8	-	16	14	8	2	16	2	-	16	8
Girls Toilet (2 Nos)	6	2	8	-	8	8	8	-	-	-	8	2	16	2	-	16	8
Accessible Toilet (2 Nos)	-	2	2	2	-	2	2	-	-	-	-	2	4	2	2	4	2
Staff Toilet Gents	1	1	2	-	3	3	3	3	4	3	1	1	5	1	-	5	-
Staff Toilet Ladies	2	1	3	-	3	3	3	3	-	-	2	1	6	1	-	6	-
Water Cooler Area (2 Nos)	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Principal Room Toilet	-	1	1	1	-	1	1	-	-	-	-	-	2	-	-	-	-
Staff Room Toilet	-	1	1	1	-	1	1	-	-	-	-	1	2	1	-	2	1
Staff Room (Primary)	-	-	-	1	-	1	1	-	-	-	-	1	2	1	-	2	1
Balvatika Classroom 3	-	-	-	1	-	1	1	-	-	-	-	-	1	-	-	1	1
First Floor																	
Boys Toilet (2 Nos)	4	4	8	-	8	8	8	8	16	14	6	4	16	4	-	16	-
Girls Toilet (2 Nos)	4	4	8	-	8	8	8	8	-	-	6	4	16	4	-	16	-
Accessible Toilet (2 Nos)	-	2	2	2	-	2	2	-	-	-	-	2	4	2	2	4	2
Staff Toilet Gents	1	2	3	-	3	3	3	3	4	3	1	2	6	2	-	6	-
Staff Toilet Ladies	2	1	3	-	3	3	3	3	-	-	2	1	6	1	-	6	-
Water Cooler Area (2 Nos)	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
MP Hall																	
Common Toilet 1	-	1	1	1	-	1	1	-	-	-	-	1	2	1	-	2	1
Common Toilet 2	-	1	1	1	-	1	1	-	-	-	-	1	2	1	-	2	1
Total	26	25	51	10	44	54	54	28	40	34	34	25	109	25	4	105	26

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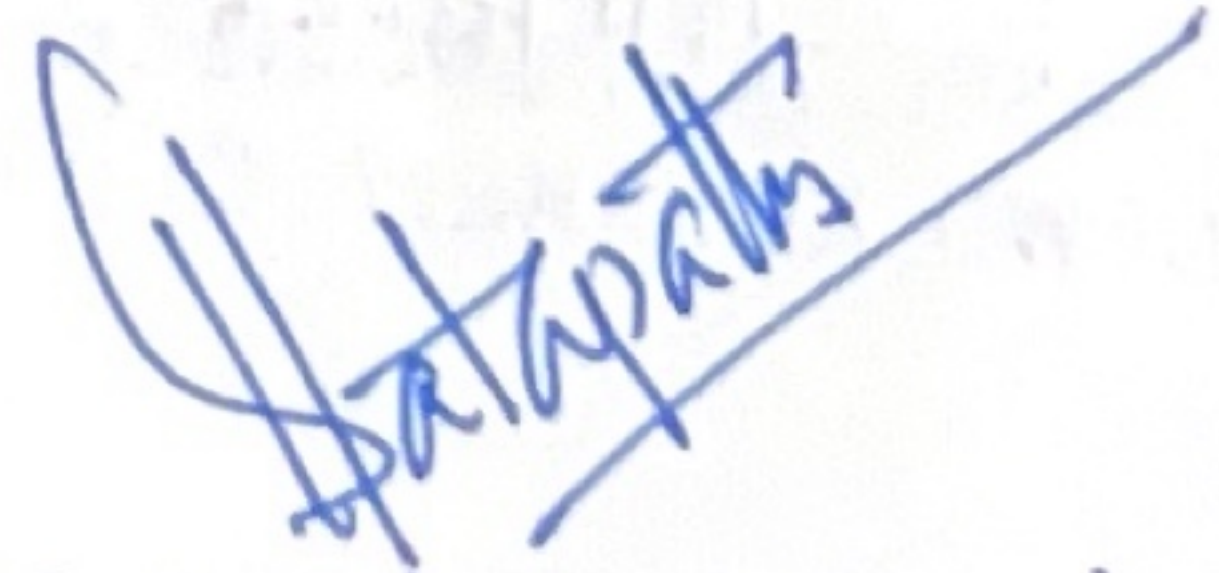
Inventory - Windows & Mirror

Name of work : - Construction of School building (G+1) Type-A, Staff Quarters [8 Nos. Type-II, 8 Nos. Type-III, 1 No Type-V], MP Hall, Pump House, Canteen etc. for Kendriya Vidyalaya at NIT, Rourkela (Odisha)

Description	UPVC 3 Track Window	UPVC 2 Track Window	Fixed Windows	Mirror (450x600)
School Building - Ground Floor				
Entrance Lobby	-	-	2	-
Principal Room	3	-	-	-
Balvatika Classroom 1	1	4	-	-
Balvatika Classroom 2	3	4	-	-
Balvatika Classroom 3	3	4	-	-
Balvatika Classroom 4	3	4	-	-
Balvatika Classroom 5	3	4	-	-
Balvatika Classroom 6	3	4	-	-
Social Resourse Room (Primary)	4	-	-	-
Balvatika Activity Room	6	-	-	-
Electrical Room	2	-	-	-
Physics Lab	4	8	-	-
Physics Lab Teacher Room	1	5	-	-
Chemistry Lab	4	8	-	-
Chemistry Lab Teacher Room	1	5	-	-
Computer Lab (Primary)	3	-	-	-
Classroom 5th	3	4	-	-
Classroom 4th	3	4	-	-
Classroom 3rd	3	4	-	-
Classroom 2nd	3	4	-	-
Classroom 1st	3	4	-	-
Library	6	-	-	-
Head Master Room	1	-	-	-
Medical Room	1	-	1	-
Staff Room (Primary)	1	-	-	-
Office	3	-	-	-
Staircase	6	-	-	-
Toilets				
Staff Gents Toilet	1	-	-	3
Principal Room Toilet	-	-	1	1
Staff Ladies Toilet	1	-	1	3
Accessible Toilet	-	-	-	1
Staff Room Toilet	-	-	1	1
Balvatika Girls Toilet	1	-	4	4
Balvatika Boys Toilet	2	-	4	4
Water Cooler	-	-	1	-
Primary Girls Toilet	1	-	4	4
Primary Boys Toilet	2	-	4	4
Accessible Toilet	-	-	1	1


 ASSISTANT ENGINEER-I
 (Handed over by) ODISHA

Sanjit Kumar
 20/05/2026
 Mr. Raji. P.


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Description	UPVC 3 Track Window	UPVC 2 Track Window	Fixed Windows	Mirror (450x600)
School Building - First Floor				
Exam Room	1	-	-	-
Composit Vocational Lab	3	-	1	-
Atal Tinkering Lab	3	-	-	-
Social Resourse Room (H. Secondary)	1	-	-	-
Language Lab	3	4	-	-
Social Science Lab	3	4	-	-
Jr. Sceince Lab	3	4	-	-
Biology Lab Entrance	5	7	-	-
Biology Lab Teacher Room	1	6	-	-
Room	1	-	-	-
Art & Craft Room	3	-	-	-
Maths Lab	3	4	-	-
AV Lab	3	4	-	-
Electrical Room	2	-	-	-
Computer Lab 1	5	-	-	-
Computer Lab 2	5	-	-	-
Classroom 12th	3	4	-	-
Classroom 11th	3	4	-	-
Classroom 10th	3	4	-	-
Classroom 9th	3	4	-	-
Classroom 8th	3	4	-	-
Classroom 7th	3	4	-	-
Classroom 6th	3	4	-	-
Staff Room (Secondary)	4	-	-	-
NCC Room	1	-	-	-
PET Room	1	-	-	-
Corridor	-	-	4	-
Staircase	6	-	-	-
Toilets				
Staff Gents Toilet	1	-	1	3
Staff Ladies Toilet	1	-	1	3
Accessible Toilet	-	-	-	1
Girls Toilet	1	-	4	4
Boys Toilet	2	-	4	4
Water Cooler	-	-	1	-
Girls Toilet	1	-	4	4
Boys Toilet	2	-	4	4
Accessible Toilet	-	-	1	1
Multipurpose Hall				
Hall	12	-	30	-
Green Room (2 Nos)	2	-	-	-
Toilet (2 Nos)	-	-	1	1
Utility (2 Nos)	-	-	1	-
Total	185	131	81	51


ASSISTANT ENGINEER-I
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