



REF:DAV/04638/2024

September 26<sup>th</sup>, 2024

**DAV PUBLIC SCHOOL, NAWADA**  
**SPECIFICATIONS AS PER ESTIMATE**

**Brief Specifications for DAV Public Schools(for Bihar Zone):**

**CONCRETE MIX:**

THE MINIMUM GRADE OF CONCRETE WHICH CAN BE USED IS M:25 ALL CONSTRUCTION UNDER THIS CONTRACT SHALL BE OF M:25 CONCRETE.

1. **Structure** : Frame Structure generally with a group of under reamed piles, pile caps or with Open Foundations and tie beams as / standard design. All RCC work to be done in the specified mix, with mixers / vibrators / etc.
2. **Plinth Height** : 4'-0" from Existing Ground Level / As per Site condition.
3. **Superstructure** : 10" brick walls in C.M 1:6, 5" reinforced brick walls in C.M 1:4. 5" thick brick work to be reinforced with 1 no. 6 dia rod at every 4<sup>th</sup> layer. In both 10" and 5" thick brick walls, a continuous band of R.C.C at lintel level to be given.
4. **Roof Height** : 11'-0" Floor to floor, except as specified.
5. **Cement Plaster** : On RCC Surfaces in CM 1:4. On brick surfaces in CM 1:6.
6. **Flooring** : Sand Filling upto Plinth Level, properly watered and rammed  
Flat Brick Soling 3" thick  
PCC 1:3:6 4" thick

in Class Rooms- Kota Stone Flooring

Hall, Common Areas, Green Room, Corridor, Staircases, with Kota Stone Flooring.

Principal Chamber, Staff Room Office and Waiting areas-Vitrified Tile Flooring(SOMANY / KAJARIA / JOHNSON) double charged (Soluble Salt tiles shall not be permitted)

Bathroom Flooring to be of Good Quality Ceramic Tiles of size 1'-0" x 1'-0". (Makes as given above)

7. **Dado** : 4'-0" high glazed tiles on both side of the verandahs



- Toilets to have 5'-0" high glazed tiles in Dado.
8. **Doors** : 35mm thick Phenol Bonded Flush Doors, brand GREENPLY / CENTURY or ISI Mark made or 38mm thick gambhar doors, with gambhar wood, as per design and details.
9. **Door Choukhats** : Profile-B
10. **Windows** : Steel Glazed Windows.
11. **Painting** : Exterior Acrylic smooth exterior paint from M/s Berger / Asian/ Nerolac on all external surfaces and verandahs. (Min. 2 coats over a coat of white cement).
- Distemper in all Classrooms.
- Entrance Hall / Waiting Lobby, Principals Chamber / Office & Staff room, with J.K.Wall Putty and Acrylic Oil Bound Distemper.
- Doors / Windows with 1<sup>st</sup> quality Synthetic Paint over 1 coat of Primer.
12. **Plinth Protection** : 2'-6" all around building with 50mm thick cement concrete (1:3:6) over Brick flat Soling, pointed, etc. as per CPWD Specifications. Waterproofing in down slab.
13. **Plumbing and Sanitary:** All CPVC Pipes to be of Ashirwad / Astral / Prince / Supreme). (This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. All GI pipes of Tata.
- All SWR Pipes to be 4" dia, PRINCE / SUPREME / FINOLEX  
 All C.P Fittings to be of ESSCO/ARC. No local fittings shall be allowed.  
 All urinals / w.c's wash basins to be of CERA / PARRYWARE / HINDUSTAN, full size
14. **Electrical** : Concealed Wiring for all Electrical Points,  
 All switches to be of ANCHOR / CONA / KOLORS / Make  
 All wires to be of FINOLEX / ANCHOR / Polycab make  
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15. **Stair railing** : M.S Railing
16. **Makes of Materials** : As per attached sheet

17. **Measurement of Plinth Area:**

This shall be as per DAV Standards, where the area upto the Outer Line of the Columns / Projections shall be measured, if the RCC Roof extends to such areas. If not, only the actual footprint of the columns shall be added to the areas. Areas of chajjas, etc. SHALL NOT be added to plinth areas.

18. **Curing**

It shall be ensured that on any work where “cement” is used, full curing is done for a period of 15 days.

**Note:** The defect liability period shall be for 12 months after the entire building / the part fully completed and handed over / occupied by the School has been fully completed / occupied and handed over. 10% of the payment of the Contractor shall be retained for a period of 12 months from the date of final finishing / completion / handing over to the School.