



## **Construction Material Specification – AANGAN**

### 1. Foundation and basement:

Earthwork is done mechanically in foundation trenches up to 100 cm from the ground level. The footing size will be 100cm x 100cm for the respective column, and a plinth beam size of 20cm x 50cm will be provided for the foundation.

### 2. Back Filling:

Backfilling for foundation & basement using excavated earth in layers not exceeding 15cm, ramming, watering, consolidating, etc., complete. The rate includes the cost of all materials, labor charges, etc.

### 3. Superstructure (Walls):

Solid block work in cement mortar 20cm thick masonry in cm 1:6 with solid block size 30cmx20cmx15cm/10cm having in compressive strength 30. kg/cm<sup>2</sup> for the superstructure, including soaking the blocks in water, curing, racking out the joints, and preparing the surface for plaster.

### 4. Lintels and sunshades:

RCC 1:1.5:3 (M20) using well-graded coarse aggregate not more than 20mm and m sand with a thickness of is cm (using 4 bars of 10 mm TMT bars, two each for top and bottom, and 8 mm stirrups spacing 15 cm).

### 5. Main Slab:

The main slab shall be 10 cm thick as per elevation with 8mm steel reinforcement, and the concrete ratio shall be 1:1.5:3. A machine mixer and vibrator will be used for concreting the slab. All the reinforcement works shall be done using Fe550D grade TMT steel, and the cement will be made of 53 grade.

### 6. Joineries:

Doors and windows are made of hardwood. The woodwork in frames and panels of Wrought is framed and fixed in position with hold-fast lugs or with dash fasteners of required diameters and lengths using good quality hardwoods. Windows and balcony/ the view area of the bedroom and pool, as per the finalized plan, will be made of toughened glass.

### 7. Plastering:

Plastering walls (inside and outside) with C.M ratio 1:4, 12 mm thick one coat floated hard and toweled smooth for walls, including hacking, surface preparation, staging scaffolding curing, thread lining, making groves wherever required, and completing as specified and directed.



#### 8. Flooring:

PCC shall be done on the ground floor in the ratio of 1:4:8 with 40mm aggregates and 10 cm thickness.

We provide and lay vitrified tiles of size 1200 x 600mm with a thickness of 7mm or nearer and less than 0.08% water absorption. They are in all colors and shades and have a smooth matt finish in skirting, riser of steps over 12mm thick bead of cement mortar 1:3, including grouting the joints with joint filler of matching color. We provide and lay ceramic glazed floor tiles 300 x 300mm in colors such as white, ivory, grey, and fume red-brown, laid on 20mm thick cement mortar 1:4.

The countertop of the kitchen and wash basin will be granite in finish. 60 cm Dado tile will be provided in the kitchen and countertop.

#### 9. Handrail:

We provide and fix handrails with GP and GI tubes by welding, etc., to steel-laded railing, staircase railing, and similar works, including applying a priming coat of steel primer.

#### 10. Painting:

One coat of water-thinnable cement primer of approved brand and manufacture is applied to the wall surface.

Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile including applying additional coats wherever required to achieve even shade and color Two coats

The walls will be finished with Acrylic Smooth exterior paint of required shade: New work (Two or more coats applied).

#### 11. Electrical:

ISI concealed conduits with Havells copper wiring with the inverted line, three-phase wiring with Legrand ELCB, and MCB ISI marked. Legrand, Mylinc/Elleys E square brand Modular switches. Light and electrical fittings are as per the 3D view and design. Fans – Atomberg/ Crompton. Lightings – Phillips.

#### 12. Plumbing:

Concealed ISI marked PVC 6Kg/cm<sup>2</sup> and CPVC, 1x 1 Hp motor (V guard/other similar make), (Diverter, Shower, Health faucet, Washbasin with half pedestal, Single piece closet, Towel rod, Soap dish) (MAKE CERA).

Water Tank as per the availability and requirement. Rectangular septic tank with 3 Soak pits. Two pipeline points on the outside shall be provided.

#### 13. Interior works

The cupboard and other interior works are made of Multi-wood per the final design.



14. Furniture

- Bedroom: one cot, table with chair, one mirror, two wardrobes, and one shelf
- Living room: converted sofa and TV unit
- Dining area: Dining Table with eight chairs

15. Pool

Pools with dimensions 10ft x 16ft (As per the designs)

**Material Make and Brand**

- 1) Steel: Shyam Steel/ Vizag Steel (Fe550D grade TMT steel)/Jindal
- 2) Cement:  
RCC works – Ultratech/ Ramco  
Other works – Dalmia/ Penna/ Ambuja
- 3) Furniture – Hardwood
- 4) Other interior works – MDF
- 5) Paint – Nerolac/Asian/Jotun
- 6) Plumbing, as mentioned above
- 7) Electrical, as mentioned above

**Additional Inclusions**

In addition to the above-listed materials, our scope includes,

- 1) Water Tank - 1200 L capacity (3 Layer Anti-Bacterial available in the market)
- 2) Sump Tank - 1500 L
- 3) Soak Pit - 3 Numbers
- 4) Septic Tank - Septic Tank - (Ready-made tank of 60 flush/day)

Note: The above-mentioned list is based on the discussions between the client and the Inntrad team; any changes or deviations will attract additional charges.