

**SOW – Raising dampness & water leak arresting work at Advar house (3 TBR):  
Nov-2017**

**EXTERNAL:**

**Soil Excavation:**

Break the existing floor and excavate the earth soil for 3' width and 3' depth, all around the building.

**Chipping:**

Framing a groove using electrical cutter at 1' level above the FFL & 2' level below External FFL - Soil level. Chip off the plaster thickness to reach out the brick substrate directly.

**Chemical Application:**

(A) The joints of the brick substrate to be ensured with 1:1 rich ratio of SBR mixed with 1:2 of cement sand ratio, (B) on observation of any honey comb at exposed starter beams, Column junction Pressure Grouting using 40 PSI - with Non shrink grout Admixture along with SBR in 1:3 ratio mixed with cement in 3 parts by volume in the 1/2 inch PVC/GI nozzle fixed against the RCC element. (C) The mixed slurry paste to be used to fill all the joints of the substrate. (D) Full prime coat of Fosroc Nitobond SBR to be applied in ratio of 1:3 with water mixed with 3 parts of cement. (E) Two Coats of Fosroc Brushbond pre-batched polymer 2 component to be applied after a day in interval of 6 hrs. under saturated condition,

**Integral Plastering:**

(A) Placing chicken mesh using appropriate nailing. (B) First Coat of integral Plastering in SBR 1:6 ratio in water during mortar mix to be done placing button mark. (C) After a day curing Second coat of integral plastering to be done. (D) Fine manual trowel to be made.

**Concreting:**

Proper compaction of soil to be done, PCC of M20 using 20mm blue metal to be done over the floor area for 100mm thick. Smooth slurry finish to be done over the concrete yielding slope outside of wall.

**Floor finishing work:**

Refill the earth in the excavated area and compact it properly. Pour PCC concrete for 100mm thick for the width of 3' and fix paver blocks of approved design and color. Final compacting and finish to be done with ramming machine. Around the building. Measurement to be taken by vendors during site inspection.

## **INTERNAL:**

### **Chipping:**

Chip off the wall plaster thickness to reach out the brick substrate directly up to the ceiling height in entire wall areas.

### **Chemical Application:**

(A) The joints of the brick substrate to be ensured with 1:1 rich ratio of SBR mixed with 1:2 of cement sand ratio, (B) on observation of any honey comb at exposed starter beams, Column junctions Pressure Grouting using 40 PSI - with Non shrink grout Admixture along with SBR in 1:3 ratio mixed with cement in 3 parts by volume in the 1/2 inch PVC/GI nozzle fixed against the RCC element. (C) The mixed slurry paste to be used to fill all the joints of the substrate. (D) Full prime coat of Fosroc Nitobond SBR to be applied in ratio of 1:3 with water mixed with 3 parts of cement. (E) Two Coats of Fosroc Brushbond pre-batched polymer 2 component to be applied after a day in interval of 6 hrs. under saturated condition,

### **Integral Plastering:**

(A) Placing chicken mesh using appropriate nailing. (B) First Coat of integral Plastering in SBR 1:6 ratio in water during mortar mix to be done placing button mark. (C) After a day curing Second coat of integral plastering to be done. (D) Fine manual trowel to be made.

### **Painting:**

1. Apply Birla putty as required to arrive at smooth finishing of the wall for painting work.
2. Interior walls and ceilings to be painted with two coats premium emulsion paint matching with existing shade. **Total Area: 12,500 sq.ft.**
3. All doors, grills and cupboards to be painted with two coat of enamel paint. **Total area: 7000 sq.ft**
4. Scrapping and varnishing of cupboards and wardrobes doors. **Total area: 1000 sq.ft**
5. Exterior walls and compound walls to be painted with two coats of antifungal weather coat paint. Total Area: **13000 sq.ft**

## **APPROVED MAKE OF PAINT: ASIAN**

### **Terrace coating: Area: 3000 sq.ft**

1. Entire substrate of the terrace and sunshades to be ensured with proper pointing of the Tile joints at worn out points using proper cement UV based Grout for thick pointing. Any damaged tiles found shall be replaced.
2. Two layers of Elastomeric coating to be done over the tiles with interval of a day.
3. Two coats shall be perpendicular to each other.

**Procedure for painting:**

- Cover all the switch boards, light fittings, fan and AC using plastic sheet/ paper with masking tape.
- Cover all the floors using plastic sheet.
- Close the air cracks using crack sill material.
- Apply sikagard 67 to the dampness wall before painting.
- Apply putty as required.
- Apply first coat of paint. Apply putty as required.
- Apply second coat of paint – Finish with roller finish
- After the completion of painting clean all the windows using uPVC cleaning solution thoroughly.
- Check and Clean the floor, light fixtures, ceiling fans, air-conditioners, wardrobes and cabinets thoroughly for any spills or overlap of paint. Take the necessary corrective action.

**Note:** Vendors to take measurements during site inspection.