|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **MEASUREMENT SHEET** | | | | | | | |
|
| (Plinth and Ground Floor) | | | | | | | |
| **Sr.No.** | **Description** | **No.** | **L** | **B** | **H** | **Quantity** | **Unit** |
| 1 | **Excavation for foundation Excavation for foundation in hard murum including removing the excavated materials upto distance of 50 metres beyond the building area and stacking and spreading as directed, dewatering, preparing the bed for the foundation and necessary back filling, ramming, watering including shoring and strutting etc. complete. (Lift upto 1.50 m)By Manual Means Spec. No.: Bd.A.2 Page No. 259** |  |  |  |  |  |  |
|  | **a) Footing:-** |  |  |  |  |  |  |
|  | Footing 1 L=1.2+0.1+0.1=1.4 | 13 | 1.4 | 1.2 | 1.2 | 26.208 | Cu.m |
|  | B=1+0.1+0.1=1.2 |  |  |  |  |  |  |
|  | H=0.15+0.2+0.35+0.5=1.2 |  |  |  |  |  |  |
|  | **b) Ground beam:-** |  |  |  |  |  |  |
|  | GB1 L=5.5+0.23+0.23-0.45/2\*2-0.7-0.7=4.11 | 1 | 4.11 | 0.23 | 0.4 | 0.37812 | Cu.m |
|  | GB2 L=4+0.23-0.45/2+0.45/2-0.7-0.7=2.83 | 1 | 2.83 | 0.23 | 0.4 | 0.26036 | Cu.m |
|  | GB3 L=0.9+0.45-0.7=0.425 | 2 | 0.425 | 0.23 | 0.4 | 0.0782 | Cu.m |
|  | GB4 L=4+0.23-0.23/2+0.45/2-0.7-0.7=3.04 | 1 | 3.04 | 0.23 | 0.4 | 0.27968 | Cu.m |
|  | GB5 L=2+0.23+0.23-0.23/2-0.23/2-0.6-0.6=1.03 | 1 | 1.03 | 0.23 | 0.4 | 0.09476 | Cu.m |
|  | GB6 L=4+0.23+0.23-0.23/2-0.23/2-0.6-0.6=3.30 | 1 | 3.3 | 0.23 | 0.4 | 0.3036 | Cu.m |
|  | GB7 L=5+0.23+0.2-0.23/2+0.23/2-0.7-0.6=4.27 | 1 | 4.27 | 0.23 | 0.4 | 0.39284 | Cu.m |
|  | GB8 L=5+0.23+0.23-0.23/2+0.23/2-0.7-0.6=4.27 | 1 | 4.27 | 0.23 | 0.4 | 0.39284 | Cu.m |
|  | GB9 L=3.5+0.23+0.2-0.23/2-0.2/2-0.6-0.6=2.53 | 1 | 2.53 | 0.23 | 0.4 | 0.23276 | Cu.m |
|  | GB10 L=4+.23+0.23=4.46 | 1 | 4.46 | 0.23 | 0.4 | 0.41032 | Cu.m |
|  | GB11 L=4.5+0.23+0.23-0.45/2-0.45/2-0.7-0.7=4.51 | 1 | 4.51 | 0.23 | 0.4 | 0.41492 | Cu.m |
|  | GB12 L=5+0.23+0.23-0.23/2-0.45/2-0.6-0.7=3.83 | 1 | 3.38 | 0.23 | 0.4 | 0.31096 |  |
|  | **Total Quantity** |  |  |  |  | **29.7574** | **Cu.m** |
| 2 | **PCC in foundation  Providing and laying in situ, cement concrete in M-10 of gneiss metal for foundation and bedding including bailing out water, formwork, compacting and curing complete, with fully automatic micro processor based PLC with SCADA enabled reversible Drum Type mixer, with natural sand. Spec. No.: Bd. E. 1 Page No. 287** |  |  |  |  |  |  |
|  | **a) Footing:-** |  |  |  |  |  |  |
|  | Footing 1 | 13 | 1.4 | 1.2 | 0.15 | 3.276 | Cu.m |
|  |  |  |  |  |  |  |  |
|  | **b) Ground beam:-** |  |  |  |  |  | Cu.m |
|  | Total length | 1 | 33.695 | 0.23 | 0.15 | 1.16248 | Cu.m |
|  | **Total Quantity** |  |  |  |  | 4.43848 | Cu.m |
| 3 | **DPC in Plinth Providing and laying damp proof course 50mm thick in (1:2:4) cement concrete layer and bitumen / using cement with waterproofing compound curing, formwork etc. complete. Spec. No.: Bd.J.2 Page No. 355** |  |  |  |  |  |  |
|  | Periphery of External walls | 1 | 33.695 | 0.23 |  | 7.74985 | Sq.m |
| 4 | **Providing and laying in situ cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. work in foundationslike raft, strip foundations, grillage and footings of R.C.C. columns and steel stanchions etc. including bailing out water, formwork, cover blocks compaction and curing roughening the surface if special finish is to be provided (Excluding reinforcement and structural steel) complete, With fully automatic micro processor based PLC with SCADA enabled reversible drum type concrete mixer . With natural sand. Spec. No.: Bd.F.3 Page No. 298 and B.7, Page No.38** |  |  |  |  |  |  |
|  | Footing 1 | 13 | 0.456 | | | 5.928 | Cu.m |
|  |  |  |  |  |  |  |  |
| **5** | **Providing and casting in situ cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. columns as per detailed designs and drawing or as directed including centering, formwork, cover blocks compacting and roughening the surface if special finish is to be provided and curing complete. (Excluding reinforcement).With fully automatic micro processor based PLC with SCADA enabled reversible drum type concrete mixer. With Crushed sand. Spec. No.: Bd.F.5 Page No. 300 and B.7, Page.No. 38** |  |  |  |  |  |  |
|  | **a) Colums upto Plinth** |  |  |  |  |  |  |
|  | FOR ALL COLUMN | 13 | 0.45 | 0.23 | 1.1 | 1.48005 | Cu.m |
|  | Total Quantity |  |  |  |  | 1.48005 |  |
|  | **b) Columns upto floor** |  |  |  |  |  |  |
|  | FOR ALL COLUMN | 13 | 0.45 | 0.23 | 3 | 4.0365 | Cu.m |
|  | **Total Quantity** |  |  |  |  | 4.0365 |  |
|  | **Total Quantity** |  |  |  |  | 5.51655 |  |
| 6 | **RCC For beams ;**  -RCC in Lintel Providing & casting in situ cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering, formwork, cover blocks compaction & roughening the surface if special finish is to be provided & curing complete. (Excluding reinforcement). With fully automatic micro processor based PLC with SCADA enabled reversible drum type concrete mixer.With natural sand. Spec. No.: Bd.F.6 Page No. 300 and B.7, Page No.38 |  |  |  |  |  |  |
|  | **a)For Ground beams** |  |  |  |  |  |  |
|  | GB1 L=4.6 | 1 | 4.6 | 0.23 | 0.45 | 0.4761 | Cu.m |
|  | GB2 L=3.55 | 1 | 3.55 | 0.23 | 0.45 | 0.36743 | Cu.m |
|  | GB3 L=0.9 | 2 | 0.9 | 0.23 | 0.45 | 0.1863 | Cu.m |
|  | GB4 L=2.92 | 1 | 2.92 | 0.23 | 0.45 | 0.30222 | Cu.m |
|  | GB5 L=1.54 | 1 | 1.54 | 0.23 | 0.45 | 0.15939 | Cu.m |
|  | GB6 L=3.54 | 1 | 3.54 | 0.23 | 0.45 | 0.36639 | Cu.m |
|  | GB7 L=4.54 | 1 | 4.54 | 0.23 | 0.45 | 0.46989 | Cu.m |
|  | GB8 L=4.54 | 1 | 4.54 | 0.23 | 0.45 | 0.46989 | Cu.m |
|  | GB9 L=3.04 | 1 | 3.04 | 0.23 | 0.45 | 0.31464 | Cu.m |
|  | GB10 L=4 | 1 | 4 | 0.23 | 0.45 | 0.414 | Cu.m |
|  | GB11 L=3.6 | 1 | 3.6 | 0.23 | 0.45 | 0.3726 |  |
|  | GB12 L=4.32 | 1 | 4.32 | 0.23 | 0.45 | 0.44712 |  |
|  | Total Quantity |  |  |  |  | 4.34597 | Cu.m |
|  | **b) For Plinth Beams** |  |  |  |  |  |  |
|  | PB1 L=3.54 | 1 | 3.54 | 0.23 | 0.45 | 0.36639 | Cu.m |
|  | PB2 L=3.55 | 1 | 3.55 | 0.23 | 0.45 | 0.36743 | Cu.m |
|  | PB3 L=1.77 | 1 | 1.77 | 0.23 | 0.45 | 0.1832 | Cu.m |
|  | PB4 L=3.55 | 1 | 3.55 | 0.23 | 0.45 | 0.36743 | Cu.m |
|  | PB5 L=4.54 | 1 | 4.54 | 0.23 | 0.45 | 0.46989 | Cu.m |
|  | PB6 L=3.04 | 1 | 3.04 | 0.23 | 0.45 | 0.31464 | Cu.m |
|  | PB7 L=4.54 | 1 | 4.54 | 0.23 | 0.45 | 0.46989 | Cu.m |
|  |  |  |  |  |  |  |  |
|  | Total Quantity |  |  |  |  | 2.53886 | Cu.m |
|  | **c) For floor Beams** |  |  |  |  |  |  |
|  | Total length of ground beams and plinth beams | 1 | 62.07 | 0.23 | 0.45 | 6.42425 | Cu.m |
|  | Secondary beam | 1 | 3.5 | 0.15 | 0.45 | 0.23625 | Cu.m |
|  | **Total Quantity** |  |  |  |  | 6.6605 | Cu.m |
| **7** | **d) For Slab on Floor** Providing and laying in Situ cement concrete M - 25 Ready mix of trap/granite /quartzite /gneiss metal, Natural Sand for R.C.C. Slabs and Landings as per detailed designs & drawing or as directed Including centering ,formwork,cover blocks, compaction,curing and roughening the surface if special finish is to be provided (Excluding reinforcement & structural steel) complete With Natural Sand(Item to be used with prior permission of Superintending Engineer )Spec. No.: Bd. F 8 page No. 302 and B-7,Page No. 38 |  |  |  |  |  |  |
|  | part 1 | 1 | 9.5 | 5 | 0.15 | 7.125 | Cu.m |
|  | part 2 | 1 | 8.5 | 4 | 0.15 | 5.1 | Cu.m |
|  | part 3 | 1 | 5.34 | 4 | 0.15 | 3.204 | Cu.m |
|  | Landing | 1 | 1.56 | 2.3 | 0.2 | 0.7176 | Cu.m |
|  | Total Quantity |  |  |  |  | 16.1466 | Cu.m |
|  | **b)RCC in Staircase** |  |  |  |  |  |  |
|  | 1.RCC in Beam at G.L. | 1 | 1 | 0.3 | 0.3 | 0.09 | Cu.m |
|  | 2.RCC in landing | 1 | 2.46 | 1.23 | 0.15 | 0.45387 | Cu.m |
|  | 3.Waist Slab | 2 | 2.7 | 1 | 0.15 | 0.81 | Cu.m |
|  | 4.Steps | 19 | 0.25 | 1 | 0.15 | 0.35625 | Cu.m |
|  | **TOTAL QUANTITY** |  |  |  |  | **1.71012** | Cu.m |
| 8 | **Brick Masonry in Superstructures Providing second class Burnt Brick masonry with conventional/ I.S. type bricks in cement mortar 1:6 in superstructure including striking joints, racking out joints, watering and scaffolding Complete. Spec.No.:Bd.G.5PageNo.315** |  |  |  |  |  |  |
|  | **a) For Masonry upto plinth:-** |  |  |  |  |  |  |
|  | 1.External walls | 1 | 41.09 | 0.23 | 0.4 | 3.78028 | Cu.m |
|  | **Total Quantity** |  |  |  |  | **3.78028** | **Cu.m** |
|  | **a)For Ground Floor:-** |  |  |  |  |  |  |
|  | 1. External walls |  |  |  |  |  |  |
|  | L=Sum of Ground beam length | 1 | 41.09 | 0.23 | 2.95 | 27.8796 | Cu.m |
|  | **Total Quantity** |  |  |  |  | **27.8796** | Cu.m |
| 8 | **Deductions for Masonry** |  |  |  |  |  |  |
|  | **a)Ground Floor** |  |  |  |  |  |  |
|  | D1 | 1 | 0.9 | 0.23 | 2.1 | 0.57 | Cu.m |
|  | Window W=1.5\*1.4 | 5 | 1.5 | 0.23 | 1.4 | 2.415 | Cu.m |
|  | Window W2 L=1.2\*1.4 | 1 | 1.2 | 0.23 | 1.4 | 0.3864 | Cu.m |
|  | Ventilator | 3 | 0.6 | 0.23 | 0.9 | 0.3726 | Cu.m |
|  | Opening O1 | 1 | 0.9 | 0.15 | 2.1 | 0.2835 | Cu.m |
|  | Opening O2 | 1 | 0.9 | 0.15 | 2.1 | 0.2835 | Cu.m |
|  | **Total Deduction** |  |  |  |  | **4.311** | Cu.m |
|  | **Net Brick Masonry(Ground Floor)** |  |  |  |  | **23.5686** | Cu.m |
|  | **Deductions for Lintel(0.15m on B.S.)** |  |  |  |  |  |  |
|  | **a)Ground Floor** |  |  |  |  |  |  |
|  | Window W | 5 | 1.1 | 0.23 | 0.23 | 0.29095 | Cu.m |
|  | Window W2 | 1 | 1.2 | 0.23 | 0.23 | 0.06348 | Cu.m |
|  | Ventilator | 3 | 0.6 | 0.23 | 0.23 | 0.09522 | Cu.m |
|  | Opening 1 | 1 | 0.9 | 0.23 | 0.23 | 0.04761 | Cu.m |
|  | Opening 2 | 2 | 0.9 | 0.23 | 0.23 | 0.09522 | Cu.m |
|  | Total Deduction |  |  |  |  | 0.59248 | Cu.m |
|  | **NET QUANTITY** |  |  |  |  | 3.71852 |  |
| **9** | **BRICK MESONARY FOR INTERNAL WALL(Ground Floor) Providing Second Burent Brick mesonary with conventional/IS type Brickes in cement morter 1:4 In half brick thick wall including mild steel longitudinal reinforcement of two bars of 6mm dia /2 hoop iron strips 25mm X 1.6mm placed at every third course, properly bend and bounded at ends scaffolding , racking out joints and watering etc complete.Bd G.7 page no 316** |  |  |  |  |  |  |
|  | **INTERNAL WALLS** | 1 | 24.53 |  | 2.55 | 62.5515 | sq m |
|  | DOOR |  |  |  |  |  |  |
|  | D1 L=0.9\*2.1 | 3 | 0.9 |  | 2.1 | 5.67 |  |
|  | D2 L=0.7\*2.1 | 3 | 0.7 |  | 2.1 | 4.41 |  |
|  | Opening O | 2 | 0.9 |  | 2.1 | 3.78 |  |
|  | **Total Deduction** |  |  |  |  | 13.86 |  |
|  | **Deduction for Lintel** |  |  |  |  |  |  |
|  | DOOR |  |  |  |  |  |  |
|  | **D1** | 3 | 1.2 |  | 0.23 | 0.828 |  |
|  | **D2 L=0.7\*2.1** | 3 | 1 |  | 0.23 | 0.69 |  |
|  | **Total Deduction** |  |  |  |  | 1.518 |  |
|  | **TOTAL Quantity** |  |  |  |  | 47.1735 |  |
| 10 | **RCC in Lintel Providing & casting in situ cement concrete M-20 of trap / granite /quartzite/ gneiss metal for R.C.C. beams and lintels as per detailed designs & drawings or as directed including centering, formwork, cover blocks compaction & roughening the surface if special finish is to be provided & curing complete. (Excluding reinforcement). With fully automatic micro processor based PLC with SCADA enabled reversible drum type concrete mixer.With natural sand. Spec. No.: Bd.F.6 Page No. 300 and B.7, Page No.38** | same as deduction in Lintel | | | | 0.76705 | Cu.m |
| 11 | **RCC in chajja  Providing & casting in situ cement concrete M-20 of trap/ granite/ quartzite/ gneiss metal for R.C.C. chajja as per detailed design & drawings including centering, formwork, cover blocks compacting & roughening the surface if special finish is to be provided & curing complete. (Excluding reinforcement).With fully automatic micro processor based PLC with SCADA enabled reversible drum type concrete mixer With natural sand. Spec. No.: Bd.F.9 Page No. 303 and B.7, Page No.38** | **No** | **L** | **AREA** (0.1+0.23)x0.6/2 | |  |  |
|  | **a)Ground Floor** |  |  |  | |  |  |
|  | Window w1 | 5 | 1.8 | 0.099 | | 0.891 | Cu.m |
|  | Staircase window | 1 | 1.52 | 0.099 | | 0.15048 | Cu.m |
|  | w2 | 3 | 0.9 | 0.099 | | 0.2673 | Cu.m |
|  | Total Quantity |  |  |  |  | 1.30878 | Cu.m |
| 12 | **PLINTH FILLING** |  |  |  |  |  |  |
|  | **1.Murrum filling Filling in plinth and floors with contractors soil sand or murum in 15 cm to 20cm, layers including watering and compaction complete. Spec. No.: Bd.A.11 Page No. 263** |  |  |  |  |  |  |
|  | PART 1 | 1 | 13.345 | 4.115 | 0.2 | 10.9829 | Cu.m. |
|  | PART2 | 1 | 5.125 | 5.25 | 0.2 | 5.38125 | Cu.m. |
|  | PART 3 | 1 | 4 | 6.25 | 0.2 | 5 | Cu.m. |
|  | **Total Quantity** |  |  |  |  | **21.3642** | Cu.m. |
|  | **2.Rubble soling Providing dry/ trap/ granite/ quartzite/ gneiss rubble stone soling 15 cm to 20 cm thick including hand packing and compacting complete. Spec. No.: Bd.A. 12 Page No. 264** |  | 21.36\*0.3/0.2 | | 0.3 | **32.0463** | Cu.m. |
|  | **3.PCC**[29.778x0.15/0.3] Filling in plinth and floors with approved excavated materials in 15 cm to 20 cm layers including watering and compaction complete. Spec. No.: Bd.A.10 Page No. 262 |  |  | |  |  | Cu.m. |
|  | Room 1 | 1 | 5.115 | 4.115 | 0.1 | 2.10482 | Cu.m. |
|  | Room 2 | 1 | 3.115 | 2.115 | 0.1 | 0.65882 | Cu.m. |
|  | Room 3 | 1 | 5.115 | 4.115 | 0.1 | 2.10482 | Cu.m. |
|  | Room 4 | 1 | 5.12 | 5.2 | 0.1 | 2.6624 | Cu.m. |
|  | Room 5 | 1 | 6.25 | 4 | 0.1 | 2.5 | Cu.m. |
|  | Room 6 | 1 | 4.115 | 1.97 | 0.1 | 0.81066 | Cu.m. |
|  | **TOTAL QUANTITY** |  |  |  |  | **10.8415** | **Cu.m.** |
| 13 | **Flooring Providing and laying ceramic tiles of RAK/ Kajaria/ Nitco/ Asian or equivalent make having size 30 cm x 30 cm confirming I.S.15622/2006 (group D IIA)and 7 to 8 mm thick for flooring in required position laid on a bed of 1:4 cement mortar including cement float, filling joint with white/colour cement slurry cleaning curing complete. Spec. No.: Bd.M.12 Page No. 385.** |  |  |  |  |  |  |
|  | Room 1 | 1 | 13.345 | 4.115 |  | 54.9147 | Sq.m |
|  | Room 2 | 1 | 5.125 | 5.25 |  | 26.9063 | Sq.m |
|  | Room 3(Passage) | 1 | 3.2 | 2 |  | 6.4 | Sq.m |
|  | Room 5 | 1 | #REF! | #REF! |  | #REF! | Sq.m |
|  | Room 6 | 1 | #REF! | #REF! |  | #REF! | Sq.m |
|  | **TOTAL QUANTITY** |  |  |  |  | **#REF!** | **Sq.m** |
|  | Providing laying & fixing exterior grade fibrilling fibre reinforcement heavy duty designer cement concrete tiles for Flooring of approved colour and design 22 +/ -2 mm thick bayer colour pigmented as per IS ..1237 - 1980 reaffirmed in 2006 ,having wert transvrse strenghth of 3.5 / mm 2, water absorption less than 10 % abrasion / wear resistance less than 2 mm ,skid resistance more than 25.0 (ASTM:E303) and no fading as per DIN - 51094 like ultra tiles 300 x 300 or equivalent ,in plan / designed pattern on a bed of 1:4 cement mortar including cement float ,filling joints with neat cement slurry ,curing, polished and cleaning complete For flooring. Spec : As directed by Engineer-In- Charge |  |  |  |  |  |  |
|  | w/c Glazed Tiles | 1 | 0.9 | 1.2 |  | **1.08** | Sq.m |
|  | Bathroom(Kota) tiles | 1 | 1.8 | 1.2 |  | **2.16** | Sq.m |
|  | Dado Work | 1.2 | 1.8 | 1.2 | 1.2 | **32.4** | Sq.m |
|  | **Staircase** Providing and laying Polished Tandur Stone flooring 25mm to 30mm thick required width in plain/ diamond pattern on a bed of 1:6 C.M. including cement float, filling joints with neat cement slurry, curing, polishing and cleaning complete. Spec. No.: Bd.M.3 Page No. 380 |  |  |  |  |  |  |
|  | Landing | 2 | 2 | 1 |  | **4** |  |
|  | Risers (Staircase) | 20 | 1 |  | 0.15 | **3** | Sq.m |
|  | Treads(Staircase) | 19 | 1 | 0.25 |  | **4.75** | Sq.m |
|  | Risers for entrance | 4 | 1.2 |  | 0.15 | **0.72** | Sq.m |
|  | Treads for entrance | 3 | 1.2 | 0.25 |  | **0.9** | Sq.m |
|  | TOTAL QUANTITY |  |  |  |  | **13.37** | Sq.m |
|  | Providing **sills** of polished Kota stone 25 mm to 30mm thick, on a bed of 1:4 cement mortar including cement float, filling joints with slurry, curing polishing and cleaning complete. Spec. No.: Bd.M.29 Page No. 391 | 5 | 1.5 | 0.23 |  | **1.725** | Sq.m |
| 14 | **Skirting(15cm ht. all rooms) Providing Mirror polishing to Kota Stone including using all necessary stones and equipments cleaning, washing etc. complete.for Skirting Spec. No.: As directed by Engineer in charge. Note –Prior approval of S.E. will be necessary** |  |  |  |  |  |  |
|  | **a) Ground Floor** |  |  |  |  |  |  |
|  | Room 1 L=2(5.115+4.115)+0.115\*2-0.9=17.79 | 1 | 17.79 |  |  | 17.79 | Run.m |
|  | Room 3 L=2(5.115+4.115)+0.115\*2-0.9=17.79 | 1 | 17.79 |  |  | 17.79 | Run.m |
|  | Room 2 L=2(3.115+4.115)+0.115\*2-0.7-0.7=13.29 | 1 | 13.29 | | | 13.29 | Run.m |
|  | Room 5 L=2(6.25+4)+0.115\*2-0.9=19.83 | 1 | 19.83 |  |  | 19.83 | Run.m |
|  | Room 4 L=2(5.25+5.115)+0.115\*2-0.9=20.06 | 1 | 20.06 |  |  | 20.06 | Run.m |
|  | TOTAL QUANTITY |  |  |  |  | 88.76 | Run.m |
| 15 | **Internal Plaster Providing internal cement plaster 12mm thick in single coat in cement mortar 1:3 without neeru finish to concrete or brick surfaces, in all position including scaffolding and curing complete. Spec. No.: Bd.L.2 Page No. 368** |  |  |  |  |  |  |
|  | **a) Ground Floor** |  |  |  |  |  |  |
|  | Room 1 L=2(5.11+4.11)=18.44 | 1 | 18.44 |  | 3 | 55.32 | Sq.m |
|  | passage L=2(3.2+2)=10.4 | 1 | 10.4 |  | 3 | 31.2 | Sq.m |
|  | Room 3 L=2(5.11+4.11)=18.44 | 1 | 18.44 |  | 3 | 55.32 | Sq.m |
|  | (Staircase) L=12.22 | 1 | 12.22 |  | 3 | 36.66 | Sq.m |
|  | Room 4 L=2(5.12+5.24)=20.72 | 1 | 20.72 |  | 3 | 62.16 | Sq.m |
|  | Room 5 L=2(4+6.24)=20.48 | 1 | 20.48 |  | 3 | 61.44 | Sq.m |
|  | TOTAL QUANTITY |  |  |  |  | 302.1 | Sq.m |
| 16 | **External Plaster Providing sand faced plaster externally in cement mortar using approved screened sand, in all positions including base coat of 15 mm thick in cement mortar 1:4 using waterproofing compound at 1 kg per cement bag curing the same for not less than 2 days and keeping the surface of the base coat rough to receive the sand faced treatment 6 to 8 mm thick in cement mortar 1:4 finishing the surface by taking out grains and curing for fourteen days scaffolding etc.complete. Spec. No.: Bd.L.7 Page No. 369** |  |  |  |  |  |  |
|  | **a) Ground Floor** |  |  |  |  |  |  |
|  | Periphery |  | 58.3 |  | 3.6 | 209.88 | Sq.m |
|  | **DEDUCTIONS** |  |  |  |  |  |  |
|  | **Deductions in External Plaster** | **Area<3sq.m** | | | |  |  |
|  | Windows | 5 | 1.5 | 1.2 |  | 9 | Sq.m |
|  | Ventilator | 3 | 0.6 | 0.9 |  | 1.62 | Sq.m |
|  | Staircase Window | 1 | 1.2 | 1.2 |  | 1.44 | Sq.m |
|  | Door D | 1 | 1.4 | 2.1 |  | 2.94 | Sq.m |
|  | TOTAL QUANTITY |  |  |  |  | **15** | Sq.m |
|  | **Deductions in Internal Plaster** | **Area<3sq.m** | | | |  |  |
|  | Doors D1 | 3 | 0.9 | 2.1 |  | 5.67 | Sq.m |
|  | Opening O1 | 1 | 0.9 | 2.1 |  | 1.89 | Sq.m |
|  | Opening O2 | 2 | 0.9 | 2.1 |  | 3.78 | Sq.m |
|  | Door D2 | 3 | 0.7 | 2.1 |  | 4.41 | Sq.m |
|  | Door D3 | 1 | 1.4 | 2.1 |  | 2.94 |  |
|  | **TOTAL QUANTITY** |  |  |  |  | **18.69** | **Sq.m** |
|  | **Net Internal Plaster** | **Total Int Plaster- Deduction** | | | | **283.41** | **Sq.m** |
|  | **Net External Plaster** | **Total Ext Plaster- Deduction** | | | | **191.19** | **Sq.m** |
| 17 | **Colouring for internal wall (same as internal plaster)Providing and applying plastic emulsion paint of approved quality, colour and shade to old & new surfaces in two coats including scaffolding, preparing the surface. (excluding the primer coat) complete. Spec. No.: Bd.P.6 Page No. 414** |  |  |  |  | **283.41** | Sq.m |
| 18 | **Colouring for external wall Providing & applying washable oil-bound distemper of approved colour and shade to old & new surfaces in one coat including scaffolding, preparing the surfaces. (excluding the primer coat.) complete. Spec. No.: Bd. P.5 Page No. 413** |  |  |  |  | **191.19** | sq.m |
| 19 | **Doors  Providing and fixing single leaf paneled door shutter without fanlight and shutter 35 mm thick as per drawing consisting of Ghana T.W. top rail size 100mm x 35 mm and bottom and lock rail 200mm x 35mm insert panel 12 mm thick commercial ply faced T.W. particle board with phenol formaldehyde synthetic resin (Generally confirming to ISI 3097) excluding frame, including stainless steel fixtures fastening and T.W. beading at junction of panels inserts and as instructed by the Engineer in charge including 3 coats of oil painting etc. complete. Spec : As directed by Engineer In Charge** |  |  |  |  |  |  |
|  | Teakwood door D | 3 | 0.9 |  | 2.1 | 14.742 | sq.m |
|  | Plywood door D1 | 1 | 1.2 |  | 2.1 | 6.552 | sq.m |
|  | Fibre door D2 | 2 | 0.7 |  | 2.1 | 2.94 | sq.m |
|  | **TOTAL QUANTITY** |  |  |  |  | **24.234** | sq.m |
| 20 | **Windows Providing and fixing in position. (as per I.S.1868 / 1982) Aluminium sliding window of two tracks with rectangular pipe having overall dimension 63.50 x 38.10 x 1.02mm at weight 0.547 kg/Rmt. and window frame bottom track section 61.85 x 31.75 x 1.20mm at weight 0.695 kg/Rmt. Top and side track section 61.85 x 31.75 x 1.30 mm at weight 0.659 kg/Rmt. The shutter should be of bearing bottom 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. Inter locking section 40 x 18 x 1.10 mm at weight 0.469 kg/Rmt. And** |  |  |  |  |  |  |
|  | **handle section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. and top section 40 x 18 x 1.25 mm at weight 0.417 kg/Rmt. As per detailed drawings and as directed by Engineer in charge with all necessary Aluminium sections fixtures and fastenings such as roller bearing in nylon casting and self locking catch fitted in vertical section of shutter including 5 mm thick plain glass with all required screws and nuts etc, complete. with colour Anodising with box Spec : As directed by Engineer In Charge** |  |  |  |  |  |  |
|  | Fully glazed W1 | 5 | 1.5 |  | 1.4 | 8.4 | sq.m |
|  | Staircase Window W2 | 1 | 1.2 |  | 1.2 | 1.152 | sq.m |
|  | **TOTAL QUANTITY** |  |  |  |  | **9.552** | sq.m |
| 21 | **Ventilator(V) Providing and fixing steel ventilator fully glazed partly fixed as per detailed drawing with hot dip zinc coating including fabricating glazing with plain / obscured glass pans and approved type quality and iron Steel and fastening with guard bars 12 mm square 10cm c/c and oil painting 2 coats etc. complete.** | 3 | 0.6 |  | 0.9 | **1.62** | sq.m |
| 22 | **Providing and fixing mild steel grill work for windows, ventilators etc. 20 kg./sq.m. as per drawing including fixtures, necessary welding & painting with one coats of anticorrosive paint & two coats of oil painting complete. Spec. No.: Bd.U.1 Page No. 537** |  |  |  |  | **11.172** | sq.m |
| 23 | **Providing and preparing kitchen otta made up from 30 mm thick and 75 cm. wide one side polished kadppa top 75 cm. wide one side polished kadappa top 75 cm high vertical support for kadppa at 1 m. c/c of 25 mm thick both side polished kadappa middle shelf and bottom of 20 mm thick one side polished kadappa with facia patti of 20 x 50 mm kadappa including all material labour cutting fixing with cement mortar and araldite curing polished and cleaning etc. complete.\*\* Spec. No.: Bd.M.35C / Page No. 393** |  | 5.5 | 0.5 |  | 2.75 | sq.m |
| 24 | **Providing and fixing C.P. wall mixer with provision for overhead shower with 115mm long bend pipe & wall flange jaquar or equivalent make continental (CAT.NO. CON-273 UPR) including necessary sockets/union nut etc. complete.\*\* Spec. No.: As directed by Engineer in charge** | 1 |  |  |  | 1 | no |