

SPECIFICATION OF WORK

Item No. 24

Providing and laying and fixing 25mm Double Polished Green Kotah Stone shelves , Partition ,in masonry making necessary groove and good same with cement mortar 1:2 (1 cement 2 sand) laid in true line level and jointed with gray cement slurry incl. rubbing etc. comp, as directed by E.I.C.

Material

Cement confirm material specification M 3 Page 3

Sand confirm to M 6 Page No. 4

Green Kotah stone confirm to M 49 Page No. 16(double polished) kotah stone, machine cut material should as per standard specification.

Workmanship

The kotah stone self where provided shall be chiseled carefully at least 2.5cm to deep and 5cm wide making good uniform groove wash it with water and carefully stone should be fixed in true line level. Filling the groove with C.M. 1:2 and curing complete. Wherever top stone shall be fixed with masonry partition surface using cement mortar, in perfect size, level as per directed. The rate including all labour, material etc. for satisfactory complete of work.

Mode of measurement and payment

Item shall be measure and paid clear visible dimension in square meter basis of work done.

Item No.- 26

Providing and laying and fixing Mirror polished Granite stone Sill in masonry Wall or Concrete incl. Backing Coat of Cement Plaster in C.M.1:3, Stone fixing with Hold fast or Screw using "airdate" adhesive in true line and level jointed with gray cement slurry, rubbing finished smooth etc. comp, as directed by E.I.C.

Material

Cement confirm material specification M 3 Page 3

Sand confirm to M 6 Page No. 4

Mirror polished Granite stone confirm to M 49 Page No. 16 (polished) **Mirror polished Granite stone**, machine cut material should as per standard specification.

Workmanship

The **Mirror polished Granite stone** where provided shall be chiseled carefully at least 2.5cm to deep and 5cm wide making good uniform groove wash it with water and carefully store should be fixed in true line level. Filling the groove with C.M. 1:3 and curing complete. Wherever top store shall be fixed with masonry partition surface using cement mortar, in perfect size, level as per directed. The rate including all labour, material etc. for satisfactory complete of work.

Mode of measurement and payment

Item shall be measure and paid clear visible dimension in square meter basis of work done.

Item No. 27

Providing and fixing 30mm thick water proof Chill wood flush door Shutter of ISI make with Pre stress cement Concrete frame of 250 x 65 mm size of approved quality including teak wood beading of 12 mm thick Periphery including applying one coat of primer paint and two coats oil paint, Stainless steel fixtures & fastening YAMA/MARCOES or I-twenty make As directed by Engineer in charge

1.0 Materials

- 1.1 30mm thick machine Press Flush shutter for door of CENTYRY or DURP make of approved quality with 1.00mm thick Pre-laminated of approved quality shall confirm to 10.30/ Page No. 63 .0 to 3.2 of volume No I(read 30 mm thick instead of 35 mm thick)

2.0 Workman ship

- 2.1 Workmanship for frame shall confirm to 10.1 (A)/ Page No. 10 to 3.2 of volume No I and for shutters to 10.12 (A) (I) PG No Para No. 1.0 to 2.2.1 and for painting shall be confirm to 19.71 on page No. 142 para No. 1.0 to 2.2 of specification book vol. I

3.0 Features and fastening

- 3.1 The rate shall including steel fixtures and fastening of YAMA or I-twenty make fixing with Iron screws and fitting as per table given in an mature I and II of Specification book vol; I on page No. and as per details drawing given by architect at the time of work .

4.0 Mode of measurement and Payment

- 4.1 The Rate including cost of materials tools and plan and labour involve satisfaction complete Work including cost of primers and oil painting etc.
- 4.2 The rate shall be unit of 1sq. mt. the work shall be carried out as per actual work done

Item No. 28

Providing and Fixing $\frac{3}{4}$ Jindal aluminum colour anodize 2, track sliding window 2 track frame 31.75x61.85, bottom 20956 (weight kg/m 0.621) 2 track top 20966 (weight kg/m 0.547) – shutter section – 20605 (weight kg/m 0.469)- 20606 (weight kg/m 0.417) – 20604(weight kg/m 0.417), 4mm thick ASA woolpie, window roller MS metal long body Teflon no.625 roller, 4” albos metal lock include-silecon- screw, grip, with labour (40mm Two track Window)

The work in Generally carried out as per specification of P.W.D. handbook volume - 1&11 and as per N.B.C. of India, unless otherwise specified with following additions.

Material

The material shall confirm as per general technical specification book volume-1, page-10,M-31, IS 733-1975, and M-38 for glass.**The** item covers the standard section of Zindal or equivalent approved by Engineer-in-charge.

Workman ship

All member of frame shall be used with standard section, Heavy door shutter section Zindal section window with fix Glazing of zindal or equivalent with Track section ,20956,20966,20605,20606,20604 for window at right angle from inside surface of respective members, all member of frame shall be straight without any warp or low and shall have smooth surface well. and 5 mm thick ASHA as per Drawing

Panel jointed at right angle to each other. The surface touches wall may not planned unless it is required in other to straighten up the member or to obtain the overall sizes within the tolerance as specified.

Every section shall be provided by having full-length piece, the frame on top at the head of the required extent. The vertical position of the Frame shall be embedded in in the still of masonry or concrete by 15x3mm lugs, 10cms long embedded in C.C. blocks of 15x10x10cm using one part of cement, three part of course sand and six parts stone aggregate of 20mm nominal size, or fixing nut and bolts as required or as directed by Engineer-in-charge, including M.S. bright bars of 8mm dia of suitable length threaded on both the sides with nuts to be used to secure the bottom and top rails with vertical members. The lock rail secured by Aluminum cleats and including anodized aluminum frames beading, handles and mortise lock tower bolts, rail and style etc of required size and shape, 6mm thick clear transparent sheet glass of Assai or equivalent manufacture shall be used of approved quality to the standard aluminum extruded section with snap or beading of Hindal company sp 1637 or equivalent

deep and taper beading on both sides including "U" shaped rubber gasket shall be fixed. As per the standard section or drawing as instructed by the Engineer-in-charge. However double floor spring to aluminum door at floor level pivot at the Intel level of the standard make with ISI make hyper or eve rite used for door.

Fixture and Fastening

All fixtures and fastenings of S.S coated like handles, tower bolt 250mm long etc.

Mode of measurement and payment

1. **The** rate is inclusive of all the cost of the material and the labour required for the satisfactory completion of the entire job.
2. **The** dimension shall be measured from out to out edge of the frame height shall be measured out side of top frame to bottom of shutter. The clear gap between shuttered the floor shall not be more then 5mm.
3. **The** rate shall be paid per one square meter of the completed

Item No:- 30

Providing and Laying china mosaic tile water proofing treatment including (A) applying neat cement slurry 2.75 Kg/sqmt or cement admixed with waterproofing compound after cleaning the surface (B) 50 mm thick flooring in Cement, Concrete 1:2:4 (1 cement 2 coarse sand graded stone agg. of 20mm nominal size B.T. kapchi) with admixed water proofing compound for FBR FAIRCRETE polymer @ 1.00 bag/150ml including rounding junction of wall and slab after two days of proper curing applying a second coat of cement slurry, (C)finishing the surface with 15mm thick C.M. 1:6 and laid china mosaic tilling and finally finishing the surface with overly with white cement slurry (D) after finishing the wall terrace shall be flooded with water for a period of two weeks.

Material:-

The cement mortar shall confirm to 11 pg. 5 of vol. I water shall confirm to M 1 page 3 of Vol. graded Kapchi shall be confirm to M 13 pg. 6, Sand shall be confirm to M-6 page no-4 , Cement mortar shall be confirm to M 11 pg. 5, and water proofing compound shall confirm to manufacturers recommendation.

Work man ship:-

The Demolition old water proofing consisting of demolition of one or more parts of the building as specified or shown in the drawings dismantling implies taking up or down or braking up This shall consist of demolishing whole or part of work incl. All relevant Items as specified or shown in drawings. Dismantling shall be conform to item No. 20.23 page No. 131 para 1.00 to 2.00

The work shall be carried out as per general instruction give by the Engineer in charge.

The water proofing treatment to the terrace shall be laid directed on the proposed surface RCC base slab in betting with cement solution of water proof compound as and where found necessary for filling the honey combs. the cracks in the slab shall be open in "V" groove pattern before the treatment in down and the same shall be filled with waterproof cement mortar in the proportion of 1:1 (1 Cement : 1 sand) as directed by Engineer in charge(A) after applying neat cement slurry 2.75 Kg/sqmt or cement admixed with waterproofing compound after cleaning the surface and (B)second 50 mm thick flooring in Cement, Concrete 1:2:4 (1 cement 2 coarse sand graded stone agg. of 20mm nominal size B.T. kapchi) shall be conform to 14.74/ page no-89 with admixed water proofing compound for FBR FAIRCRETE polymer @ 1.00 bag/150ml including rounding junction of wall and slab after two days of proper curing applying a second coat of cement slurry, (C) Third finishing the surface with 15mm thick C.M. 1:6 shall be conform to 17.58/ page no-105 and laid china mosaic tilling and finally finishing the surface with overly with white cement slurry The treatment shall contribute along inner side of 1 parapet and other adjoining walls up to a height of about 15 cm shall be **conform to 17.58/ page no-105** in the shape of half round vata the average thickness of the treatment shall be hard and though suitable for all mortar domestic purpose and shall be cured for at least 15 days with water filled in terrace up to 15cms depth at vata.cementvata as directed and requirement of the parapet and other as

adjoining water up to 15 cm depth of vata (D) after finishing the wall terrace shall be acid wash with flooded water for a period of two weeks.

Mode of measurement and payment

- The rate incl. the all the labour and the materials involved in the work to compl.
- The Item with all respect The payment shall be made on Sq.Mt. basis and measurement shall be taken as per the clear in side length and breadth from parapet wall and average over finishing floor as breadth.
- The rate including cost of all materials and labour.

A guarantee bond of five years guarantee requisite stamp paper shall be given by the contractor to the department. the rate shall be unit for a one sq. mt.

**Executive Engineer
J.A.U. JUNAGADH**