

Item No. 36 Providing and fixing C. P. brass / powder coated S. S. handle 4" to 6" in cupboard shutter drawer with necessary fittings etc. complete.

Materials:

- S.S.handle shall conform to tested quality. shall be also approved by engineer in charge. S.S. hinges size 4" to 6" required as per site condition

Workmanship:

- S.S. handle fixing in cupboard shutter including materials, labours necessary screws etc. work should be carried out as per instructions by Engineer in charge.

Mode of Payment:

- The rate shall be for unit of **one number** basis.

Item No.37 Providing and fixing C. P. brass towel rail complete with C. P. brass brackets fixed to wooden plugs with C. P. brass screws

(B) 600 mm x 20 mm size.

Specification for this item shall conform to Item No. 23.144 (B) Page No. 150 of general technical specification for building work.

Rate Shall be for a unit of **one number**.

Item No. 38 Providing and fixing two soap dis S. S. as directed by engineer in charge.

Materials:

- Soap dish shall conform to approved quality. It shall be also approved by engineer in charge. Soap dish size required as per site condition.

Workmanship:

Soap dish fixing in line level incl. materials labour necessary screws etc work should be carried out as per instruction by Engineer in charge.

Mode of Payment:

The rate shall be for unit of **one number**.

Item No.39 Providing and fixing to wall ceiling and floor 10.0 kgf/cm² working pressure polythelene pipes of the following outside dia low density complete with special flage compression type fittings, wall clips etc. including making good the wall ceiling and floor (G) 110 mm

Specification for this item shall conform to Item No. 23.8 (E), Page No. 144 for General Technical Specification for Building work. Work shall be carried out for 110 mm dia. 10 Kg. /Sqcm instead of 6 Kg. /Sqcm 50 mm dia. shall be

used. Material shall got approved with Engineer-in-charge prior to execution of work.

Rate shall be for a unit of **One Running Meter.**

Item No. 40 Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.

Specification for this item shall confirm to Item No. 23.8(A) /Pg.144 of general technical specification for building work. Read U.P.V.C pipe instead of 20mm pipe

The rate shall be for a unit of **one Rmt.**

Item No. 41 Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.

Specification for this item shall confirm to Item No. 23.8(A) /Pg.144 of general technical specification for building work. Read U.P.V.C pipe instead of 25mm pipe

The rate shall be for a unit of **one Rmt.**

Item No.42 Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.

Materials:-

The U.P.V.C. shall not attached by various chemicals. It shall be rust proof and does not support combustion. The inner surface shall be smooth and restriction free. The U.V. stabilized U.P.V.C pipes of 40 mm. diameter shall be used to conform to IS-13592:92-CM/L-7361673, rubber ring shall conform to IS 5382 to the pipes shall be of best quality and make as approved by the Engineer in charge.

Workmanship:-

The work shall be carried out as per specification of Item No. 23.8 (E) / P – 144 of General Technical Specification Booklet except that the pipe used shall be of U.P.V.C of 15 mm dia. The pipes shall be fixed securely to the wall as directed. Jointing of pipes shall be done with special quality and rubber ring. All pipes shall be fixed truly vertical and horizontal unless unavoidable. The guide line indicated by the manufacturer regarding handling, transportation, storing, laying and jointing of pipes shall be best in view during execution and as per directed by Engineer in charge.

Mode of measurement and payment:-

- The description shall unless otherwise stated be held to include where necessary conveyance and delivery conveyance and delivery handling, unloading, storing, hoisting, all labour for finishing to required shape and size, testing, fitting in position straight cutting and water return of packing etc.
- The length shall be measured in running meter basis of finished work. The length shall be taken along the centerline of the pipe and fittings. The pipes fixed to walls ceiling floors etc. shall be measured and paid under this item.
- All the work shall be measured in decimal systems as fixed in its places. Dimensions shall be measured to the nearest 0.01-meter.
- All measurements of cutting shall unless otherwise stated be held to include the consequent wastage.
- In case of fitting of unequal bore the largest bore shall be measured for the test.
- Testing of pipe lines fittings and joints include for providing all plant and appliances necessary for obtaining necessary access to the work to be tested and carrying out the test.
- The rate include U.P.V.C. pipe, solution, labours for fixing complete and cutting also wastage.
- The rate shall be for a unit of one running meter.

Item No. 43 Providing and fixing 35mm thick SINGLE SHUTTER Solid Core Wooden FLUSH DOOR using covered with 1mm thick Laminates on both shutters of approved colour, pattern and design by the Architect, and 100 mm x 70 mm teak wood frame fixed with min. 4 nos .of 150 mm high SS Hinges including 200 mm Stainless Steel Handles, Heavy Stainless steel Aldrop and other SS Fixtures, Door Cacher and locking arrangements as per detailed drawings / as directed and approved by the Architect and Engineer In-charge etc.complete.

MATERIAL

- The flush door shall be confirm Item No. M - 30 / P. 10 and teak wood shall be confirm to M-29, P.No-9 plywood shall confirm to M-37, P.No - 11 and 1 mm thick laminated sheet confirm I.S. standard or approved quality.

Workmanship

- The workmanship for flush door shutter shall conform to 10.30 P-63 and 1 mm laminated sheet shall be fixed on both side of flush door with good quality and adhesive. The workmanship for frame work of 12 cm x 7 cm shall conform to 10.1 (A), P/58. Whole work shall be carried out in true line and level. The finished shutter shall be fixed in frame with true line and level with necessary aluminum fixtures and fastening of good quality approved by Engineer-in-charge as per General Technical Specification booklet. Frame work shall be as per 10.1 (A), P/58.

- After the completion of door necessary primer coat of approved quality and two coats of oil painting as approve by Engineer – in – charge shall confirm to item no.19.59 (B) + 19.71. / P-124+125

Mode of Measurement and Payment

- The area of shutter shall be measured in Sq.mt. basis. The rate shall include cost of all materials, labours, hardware, fixtures & fastenings, tools & plants etc. required to complete the work.

- The rate shall be for a unit of One Sq.m.

Item No 44

Providing and laying 18 mm thick polished Black or colour Granite stone slab machine cut in single piece with all exposed edges polished, chamfered and proected 6mm from finished wall thickness in sill and jambs laid on 10 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) laid over and jointed with grey cement slurry including rubbing and polishing etc. complete. also Fixing: Rear face of granite shall be standed using clean sand sieve no. 10 passed 2mm fixed with araldite and dried for at list 36 hours.

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1.0 MATIRIAL

1.0 Mirror Polished Granite:

4.1. Mirror Polished granite shall be hard even sound, and regular in shape and generally uniform in colour. The colour of the stone shall generally be green. Brown coloured shall not be allowed for use. They shall be without any soft veins cranks of flaws

4.2. The size of the stone to be used for flooring shall be of in single peice upto 1.50mt. length as size of sill or jambs as directed. However smaller sizes will be allowed to be used to the extent of maintaining required pattern. Thickness shall be as specified.

4.3. Tolerance in thickness shall be +3 mm.

- 4.4. The edges of stones shall be truly machine cut. All angles and edges of the stones shall be true, square and free chipping and surface shall be true and plain.
- 4.5. When machine cut edges are specified the exposed and the edges at joints shall be machine cut the thickness of the exposed machine cut edges shall be uniform and outer edges shall be moulded as directed.
- 4.6. The stones shall have machine polished surface. When brought on site, the stones shall be single polished or double polished depending upon its use. The stones for paving shall generally be single polished. The stones to be used for dedo, skirting, sink, veneering, sills, steps, etc. where machine polishing after the stones are fixed in situ is not possible shall be double polished.

5.0 WORKMANSHIP

- 5.1 Dark Granite of approved quality shall be laid evenly to level and slope as directed by Engineer in charge over a bed of a base layer consisting of cement mortar 1:6 (1 cement: 6 coarse sand by +volume).
- 5.2. Cement and sand for base layer shall be mixed in proportions of 1:6 (1 cement : 6 coarse sand by volume) Cement and sand shall be proportioned by volume after making due allowance for bulking. The require quantity of water shall then be added and the mortar mixed to produce workable consistency before mixing platform shall be thoroughly cleaned before changing from one type of cement to another.
- 5.3. The mixing for base layer shall be done intimately, The operation shall be carried out on clean water tight platform, and cement sand shall be first mixed dry in the required proportion to obtain uniform colour and then the mortar shall be mixed for at least two minutes after addition of water. In case of cement mortar, that has suffered because of evaporation of water the same shall be re-tempered by adding water as frequently as needed to restore the requisite consistency but its re-tempering shall be permitted only within thirty minute from the time of addition to water at the time of initial mixing.
- 5.4. Cement and sand for base layer shall be mixed in proportion as specified in the item, Cement and sand shall be proportioned by volume after making due allowance for bulking. The required quantity of water shall then be added and the mortar mixed to produce workable consistency.
- 5.5. Curing shall be started as soon as the mortar used for finished has hardened sufficiently no to be damaged when watered. It shall be kept wet for a period of at least 7 days. During this period, it shall be suitably protected from all damages;
- 5.6. During hot weather, all finished or partly finished work shall be covered or wetted in such manner as will prevent rapid drying of the flooring work.
- 5.7. Joints of flooring shall be through and continuous throughout the building as directed by Engineer in charge
- 5.8. joints shall be filled with a stiff mixture of gray cement surly
- 5.9. The flooring work shall be finished by rubbing and mirror polishing after the work of flooring is set properly

6.0 PROPORTION OF MIX

6.1. The proportion of cement and sand for base layer shall be one part of cement. 6 (four) parts of sand and shall be measured by volume.

7.0 MODE OF MEASUREMENT & PAYMENT :

7.1. The unit rate cladding shall include the cost of all materials, tools and plant required for mixing, laying of base layer in true level and slope as required applying & placing stones in position, compacting, finishing, curing mirror polishing. and all other incidental expenses for producing flooring work to complete the structure or its components as shown on the drawings and according to these specifications. They shall also include the cost of making, fixing and removing of all scaffolding and forms required for the work.

The rate of cladding shall include the cost of all labour, materials tools and plant scaffolding and all incidental expenses as described herein above.

7.2. The cladding work shall be measured for its **length** and **width**, limiting dimensions to those specified on plan or as directed. The rate shall be for a unit of one square meter.

7.3. The payment cladding will be **made on square Meter** basis of the visible work.

Item No. 45 **Providing and fixing heavy duty 15mm dia brass chromium plated angle cock of approved make Marc, Jaquar, Crabtree or equivalent brand.**

Material :

15 mm dia chromium plated brass concealed cock shall be of best approved I.S.I Marc, Jaquar, Crabtree or equivalent brand.

Workmanship:

The C.P brass concealed cock 15 mm dia as specified above shall be fixed as directed or instruction given by engineer in charge. The threaded portion shall be semmared with white zink and few taflon tap few turn in concealed water supply pipe line with help of extension C.P.brass tee nipple etc. Testing for leakage of water shall be done at each joint.

Rate shall be for a unit of **One Number**.

Item No. 46 **Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.**

Specification for this item shall confirm to Item No. 14.32, Pg. No. 85 except of that vitrified tiles of specified size and grade shall be used in place of white glazed tiles general technical specification for building work. Size, Colour shed, Design & make use as per the instruction of Engineer in charge. Vitrified tiles size is 24" x 24".

Rate shall be for a unit of **One Sqmt** basis.

Item No.47 Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry

Details specification for this item shall be as per General Technical Specification for Building works booklet Page No 87 Item No. 14.44 except that 600 mm x 600 mm x 8 mm / 600 mm x 75 mm x 8 mm soluble salt full body polished vitrified tiles (PVT) of the make Enduro/ RAK / Kajaria / SOMANY / NITCO / BELL / RESTILE or equivalent as approved by Engineer-in-charge Polished vitrified tile shall be used instead of 6 mm thick glazed tile. The tile shall be conformed to relevant I.S code

Rate shall be for a unit of **one square metre.**

Also the Rate is inclusive of dismantling of existing flooring as per Item No. 20.23 Pg.-131 of General Technical Specification Booklet for Building Works.

Rate shall be for a unit of **one Smt.**

Item no. 48 Providing & Fixing S.S. Wire mosquito net Jali in Alluminium section window including rubberstrip, labour, material etc. comp. as directed by engineer-in-charge.

Materials:

- S.S. Wire mosquito net Jali shall be conform to tested quality. It shall be also approved by engineer in charge.

Workmanship:

- S.S. Wire mosquito net Jali fixing in incl. materials, labour necessary screws. etc. Work should be carried out as per instruction by engineer in charge.

Mode of payment:

- The rate shall be for unit of one Sq.Mtr. basis.

Item No. 49 Providing Kitchen S.S. trolley / basket in kitchen as per site situation & as approved and directed by Engineer-In-Charge.

- The kitchen S.S. Trolley / Basket shall be approved make and it shall be best quality got approved from Engineer-In-Charge. The fixing shall be using necessary screw etc. complete.
- The rates shall be for a unit of one number of basis.

Item No. 50 Providing and fixing Stainless steel Kitchen Sink Glossy ASIS 304 grade and 1 mm thick with over all size 510 x 432 33 and bowl size 445x368x190 mm of Cera, Jaquar, Kohler brand or equivalent with all fittings with C.I. Or M.S. brackets painted white including cutting holes and making good the same , Brass waste, and M I fisher union fittings including all necessary fittings

Stainless steel Kitchen sink:

The stainless steel kitchen sink of size 510 mm x 432 mm including fixing the same in kitchen platform gap including fixing waste pipe and brass coupling and cutting granite stone etc. all such complete & making good platform gap with neat cement slurry as per instruction of Engineer in-charge. The Stainless steel kitchen sink shall be of good quality & manufacture & of required shape which shall be approved by Engineer-in-charge..

C.P. brass waste of 40 mm diameter for sink shall be followed as per It. No. 23.135 (B) / P-149 of G.T.S. for Building Works Booklet; with providing and fixing 40 mm dia. M. I. Fisher union shall be as per It. No. 23.136 (B) / P-149 of G. T. S. for Building Works Booklet. The item also includes PVC waste pipe.

Mode of measurements & payment:

The rate includes cost of all materials, labour and cutting, fittings for executing completed item of work as directed by Engineer-in-charge.

The contract rate shall be for a unit of each Nos. for completed item of work as above.

Item No.51 Painting one coats (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint, brushing, interior to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.

Specification for this item shall confirm to Item No. 19.11 Page No. 121 of general technical specification for building work.

Rate Shall be for a unit of **one Smt.**

ItemNo.52 Providing julla Structure for height up to 13th storey building with labour and all arrangement for outside repairing work etc. directed by engieer in charge.

Materials:

Jula Structure of MS Pipes with all necessary accessories.

Workmanship:

Jula Structure of MS pipes for 10 Story Building height.
Pipes shall be fixed with necessary accessories, bolts, plates, etc. and having proper way.

Mode of measurements & payment:

The rate includes cost of all materials, labour and cutting, fittings for executing completed item of work as directed by Engineer-in-charge.

The contract rate shall be for a unit of each Day for completed item of work as above.

Item No.53 Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidelines of IRC : SP 63-2018 etc. Complete

1.0. Materials :

In general the work shall be carried out as per the standard specification of P.W.D. relevant drawing and as per the instruction of Engineer-in-charge.

1.1 Water shall conform to M-1 / P-9. Cement shall conform to M-3 / P-3. Sand shall conform to M-6 / P-4. Stone aggregate 20mm nominal size shall conform to M-12 / P-5. Cement concrete M-20 shall conform to relevant specification as per item No. 5.008 of page No. 42, except that cement concrete shall be ordinary of General technical specifications for Building works.

1.2 The casting of the paver block shall be done by using rubber dye to obtain the design surface, finish and texture. Adequate quantity of plasticizers shall be added in the concrete mixes directed by the engineer in-charge. The colour and texture of the blocks shall have to be get approved by the engineer in-charge before using. The shape of paved blocks shall be used as per instruction of engineer in-charged & Architect.

2.0 Workmanship:

2.1 The Rubber moulded / steel Dye paved block of 60mm thick as per design and pattern and shall be of M-30. It shall be base of 35mm Sand layer for leveling and filling the joint with sand in proper line and level etc complete. Before laying of concrete block the base should be leveled and compacted as directed by engineer in-charge, so that there should not be any settlement afterwards.

- 2.2 The paved block shall be laid in the pattern and the manner as directed by the engineer in-charge. The flooring should be in line and level. Surface vibrator shall be used for compression of sand layer.
- 2.3 The paved block shall be jointed with neat cement slurry and finished with flush pointing in grey or color cement etc. complete in line and level as directed.

3.0 Mode of Measurements and Payment:

- 3.1 The length and breadth shall be measured correct to a centimeter between the inner edges.
- 3.2 The rates includes all materials tools, plants and labours involved in satisfactory completion of works as specified above.
- 3.3 The contract rate shall be for a unit of one square meter basis for complete item.

Item No. 54

Providing and fixing window having extruded aluminum Colour anodized section Fully galzed aluminum window shutters as per detailed drawings sliding window having horizontal Three track member size Bottom aluminum section 92mm x 31.75mm x 1.30mm (of Jindal Section no:20620 or equivalent brand, @ Wt.1.065 Kg/mt), vertical member & top of size 92mm x 31.75mm x 1.30mm (of Jindal Section no:20621 or equivalent brand, @ Wt. 0.929 Kg/mt) with sliding shutters of horizontal member size 40mmx18mm x1.29mm (of Jindal Section no:20844 or equivalent brand @ wt.of 0.456 Kg/mt), End styles of size 40mm x 18mm x 1.29 mm (of Jindal Section no:20844 or equivalent brand @ wt.of 0.456Kg/mt) , Interlock Style of size 40x18 mm (Jindal Section no: 20845 or equivalent brand @ wt. of 0.547 Kg/ mt) with 5 mm thick transparent bronze colour tinted float glass in two shutter & S.S. mosquito net in one shutter with Colour anodized aluminum fittings and fixtures, locks and transparent silicon sealant glass fixing including cost of all labours fixing at worksitets. etc. comp. as per detailed drawing etc comp.

Material & Workmanship:-

Alluminium alloy used in the manufacturing of extruded section for windows shall confirm to HE9-WP of I.S 733 – 1956 and also hollow alluminium section confirm to IS designation HV9 – WP – IS – 1285 – 1958. Alluminium section of approved weight shall be procured at site. Fabrication shall be done as per I.S 1948 – 1961 & drawing or as directed. Details of the anodized powder coating section to be used are as under:

- | | | |
|---|--|---|
| 1 | Three track Horizontal section
(Wt.1.065 Kg/mt) | 92 mm x 31.75 mm x 1.30 mm |
| 2 | Three track Vertical section | 92mm x 31.75mm x 1.30mm (Wt. 0.929 Kg/mt) |

3	Sliding shutter 0.456 Kg/mt)	40 mm x 18 mm x 1.29 mm (Wt. of
4	Interlock Style mt)	40 mm x 18 mm (Wt. of 0.547 Kg/
5	Transparent float glass	5.00 mm thick

Float Glass:

5 mm thick transparent float glass of the make MODI GUARD / ASAHI / SAINT GLOBAL or as equivalent of approved by Engineer-in-charge shall be used & shall be conforming to relevant I.S code. Necessary colour anodized aluminium glazing clips shall conform to relevant IS code. Transparent Silicon Gasket and PVC track rubber shall confirm to quality approved by engineer in charge.

Mosquito proof Jali:

Stainless steel ASI grade 304 jali of IS 85 G with wire of diameter 0.56 mm shall be fixed in shutters to the satisfaction of Engineer-in-charge & all four edges of jali shall be embedded in shutter frame that it shall not become hazard to users.

Fixtures & fastenings:

Fixtures and fastenings shall be provided as per requirement & as directed by Engineer in charge

Section used shall be single or double type as per requirement. Window - frame without shutter shall be prepared as per drawing or as directed by the Engineer – in – Charge. Whole framework shall be finished and erected in true line and level. The section shall be fixed with necessary screws & wooden peg nails required.

Size of glass for glazing at panels shall be as per drawing and shall be fixed in such a way so as to allow a clearance of 2.50 mm between the edges of glass and aluminium glazing clips surround clearance may be increased if directed. All stains from the surfaces of glass shall be removed and cleaned with thinner or spirit without any extra payment. Working of all hinges shall be smooth and free. If any hinges or locking arrangement found faulty, shall be replaced to the satisfaction of Engineer – in – Charge without claiming any extra charges. The size of mosquitoes proof jali at panels shall be as per drawing or as directed by Engineer-in-charge. It shall be provided on outer track and shall be fixed in such a way so as to allow a clearance of 2.50 mm between the edges of jali and aluminium glazing clips surround clearance may be increased if directed. All stains from the surfaces of mosquitoes proof jali shall be removed and cleaned with thinner or spirit without any extra payment. The entire work shall be executed to the satisfaction of Engineer – in - Charge. The window shall be fully sliding as per drawing or as directed by Engineer – in – Charge

CONDITIONS FOR ALUMINUM WORKS

- (a) The glazing shall be fixed with the External finished surface (either stone cladding/external plaster) and hence all the necessary rubber strips, packing and polysulphide polymer (between the frame and concrete or other surface all around) shall be provided within the rate quoted so as to make the junctions fully water tight/air tight.
- (b) Approved make selected glass of thickness as specified shall be used in doors. Wired glass louvers shall be provided wherever shown on drawings.
- (c) Necessary locking arrangement of approved design (by Architect) shall be provided without any extra cost.
- (d) Wherever necessary, PVC lining (silver grey or white only) etc. shall be provided for air/water tightness.
- (e) Necessary operating device (as per design) for operation of louvers of windows, ventilators, sky lights, including necessary rods shall be provided without any extra cost.
- (f) The rates quoted shall be inclusive of manufacture, supply and installation at Site, and inclusive of all the necessary accessories rubber strips, locks, rods, excise duty, taxes, octroi, transport, labour charges, insurance, storage and safe custody, etc. complete.
- (g) The rates shall also be inclusive of providing and applying with gun as per latest I.S., of Dow Corning or equivalent and making the joints around glazing watertight, on the external periphery of the building at the junction of two different materials as directed by the Architect and site engineer.
- (h) Necessary provision for rain water disposal shall be done in the bottom guides/frames as directed and approved by Architect.
- (i) Work must be in accordance with detailed drawings with dimensions of aluminum sections in frames and shutters as shown in drawing. It shall be accompanied by the detailed drawing if any deviation is proposed.
- (j) All the door shutters shall have double action hydraulic floor springs/hinges as per approved shop drawings, of approved make with minimum one year guarantee. The floor springs shall be of least possible thickness.
- (k) Details/arrangements for after sales/maintenance services shall be furnished.
- (l) Work shall be carried out in co-operation and in coordination with all other agencies working at Site.
- (m) The civil work as required for fixing of floor springs, hold fast or other works required for the erection and completion of doors/windows etc. shall be done by the Contractor without any extra cost.
- (n) Any damage, if caused to the existing work done by other agencies, shall be reinstated by the Contractor to its original condition without any extra cost.

- (o) During the course of work, the Contractor shall pay due care to avoid any stains on the powder coating work and if required, the Contractors shall provide necessary protective arrangement as directed by the Architects for which no extra payments shall be made. After the installation is completed, if required by the Architects, the aluminum work shall be washed with mild solution of non alkali soap and water.
- (p) The Contractor shall be responsible for the windows/doors/grills etc. being set straight, in plumb level and for their satisfactory operations after the fixing is completed.
- (q) Wherever required and as directed strengthening of members shall be done by providing steel/M.S. concealed members without extra cost.

Mode of measurement & payment:

The rate for window shutter with frame shall include the cost of materials & labour involved to finish the work.

The dimension of the window shall be measured clear size of the frame in closed position of shutter between the two outer edges of the frame.

The payment shall be made on completion of work.

The unit rate for the item shall be for a unit of **one square meter**.

Item no. 55 Repairing Existing Aluminum extruded Fully / Partly glazed sliding windows by replacing of old rusted rollers, replacing mosquito net, glass, hardware as per requirement & making good & refixing shutters in position as directed by Engineer In Charge.

Materials:

- S.S. Wire mosquito net Jali, Roller, glass and other hardware shall be conform to tested quality. It shall be also approved by engineer in charge.

Workmanship:

- Repairing of Existing Aluminum extruded Fully / Partly glazed sliding windows shall be done by replacing of old rusted rollers, replacing S.S. Wire mosquito net Jali, glass, hardware as per requirement.
- Then refix the shutters in position as directed by Engineer In Charge.

Mode of payment:

The rate shall be for unit of one square meter.

Dated Signature of
the Contractor



Deputy Executive Engineer,
Engineering College (R&B) Sub. Dn.
Ahmedabad.



Executive Engineer
Navrangpura (R&B) Division
Ahmedabad.