

**Name of work: SR to repairing of mamlatdar office at valsad (Toilet repair, plaster work, colour work, flooring work, Door window work, plumbing work and other misc.work)**

## **ITEM WISE SPECIFICATIONS**

### **Item No.1:**

**Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift**

The demolition shall consist of demolition of one or more parts of the building as specified or shown in the drawings. Demolition implies taking up or down or breaking up. This shall consist of demolishing whole or part of work including all relevant items as specified or shown in the drawings.

The demolition shall always be planned before hand shall be done in reverse order to the one in which the structure was constructed. This scheme shall be got approved from the Engineer-in-charge before starting the work. This however will not absolve the contractor from the responsibility of proper and safe demolition.

Necessary propping, shoring and under pinning shall be provided for the safety of the adjoining work or property, which is to be left intact, before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining property.

Wherever required, temporary enclosures or partitions shall also be provided. Necessary precautions shall be taken to keep the dust nuisance down as and where necessary.

Dismantling shall be commenced in a systematic manner. All materials which are likely to be damaged by dropping from a height or demolishing roof, masonry etc. shall be carefully dismantled first. The dismantled articles shall be properly stacked as directed.

All materials obtained from demolition shall be the property of Government unless otherwise specified and shall be kept in safe custody until handed over to the Engineer-in-charge.

Any serviceable materials, obtained during dismantling or demolition shall be separated out and stacked properly as directed with all lead and lift. All unserviceable materials, rubbish etc., shall be stacked as directed' by the Engineer-in-charge.

On completion of work, the site shall be cleared of all debris rubbish and cleaned as directed.

#### **Mode of measurements:**

Measurements of all work except hidden work shall be taken before demolition or dismantling and no allowance for increase in bulk shall be allowed. The demolition of lime concrete shall be measured under this item. Specification for deduction for voids, openings etc. shall be on same basis as that employed for construction of work, The rate shall be for a unit of one sq. meter.

The rate shall include staking the unserviceable materials as directed with all lead and lift. The rate shall be for a unit of one sq. meter.

The rate shall be for a unit of One Cubic meter.

### **Item No.2:**

**Demolition and disposal of unserviceable materials with all lead and lift.(i) Lime concrete.**

The demolition shall consist of demolition of one or more parts of the building as specified or shown in the drawings. Demolition implies taking up or down or breaking up. This shall consist of demolishing whole or part of work including all relevant items as specified or shown in the drawings.

The demolition shall always be planned before hand shall be done in reverse order to the one in which the structure was constructed. This scheme shall be got approved from the Engineer-in-charge before starting the work. This however will not absolve the contractor from the responsibility of proper and safe demolition.

Necessary propping, shoring and under pinning shall be provided for the safety of the adjoining work or property, which is to be left intact, before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining property.

Wherever required, temporary enclosures or partitions shall also be provided. Necessary precautions shall be taken to keep the dust nuisance down as and where necessary.

Dismantling shall be commenced in a systematic manner. All materials which are likely to be damaged by dropping from a height or demolishing roof, masonry etc. shall be carefully dismantled first. The dismantled articles shall be properly stacked as directed.

All materials obtained from demolition shall be the property of Government unless otherwise specified and shall be kept in safe custody until handed over to the Engineer-in-charge.

Any serviceable materials, obtained during dismantling or demolition shall be separated out and stacked properly as directed with all lead and lift. All unserviceable materials, rubbish etc., shall be stacked as directed' by the Engineer-in-charge.

On completion of work, the site shall be cleared of all debris rubbish and cleaned as directed.

**Mode of measurements:**

Measurements of all work except hidden work shall be taken before demolition or dismantling and no allowance for increase in bulk shall be allowed. The demolition of lime concrete shall be measured under this item. Specification for deduction for voids, openings etc. shall be on same basis as that employed for construction of work, The rate shall be for a unit of one sq. meter.

All work shall be measured in decimal system as fixed in its place subject to the following limits; unless otherwise stated hereinafter : (a) Dimensions shall be measured to the nearest 0.01 mt. (b) Area shall be worked out to the nearest 0.01 sq. mt.(c) Cubical contents shall be worked out to the nearest 0.01 Cu.m.

The rate shall include cost of all labour involved and tools used in demolishing and dismantling including scaffolding. The rate shall also include the charges for separating out and stacking the serviceable materials properly and disposing the unserviceable materials with all lead and lift. The rate also includes for temporary shoring for the safety of the portion not required to be pulled down or of adjoining property and providing temporary enclosures or portions where considered necessary.

The rate shall be for a unit of One Cubic meter.

**Item No.3:**

**Dismantling sanitary fittings like wash basin, W.C.Pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.**

The demolition shall consist of demolition of one or more parts of the building as specified or shown in the drawings. Demolition implies taking up or down or breaking up. This shall consist of demolishing whole or part of work including all relevant items as specified or shown in the drawings.

The demolition shall always be planned before hand shall be done in reverse order to the one in which the structure was constructed. This scheme shall be got approved form the Engineer-in-charge before starting the work. This however will not absolve the contractor from the responsibility of proper and safe demolition.

Necessary propping, shoring and under pinning shall be provided for the safety of the adjoining work or property, which is to be left intact, before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining property.

Wherever required, temporary enclosures or partitions shall also be provided. Necessary precautions shall be taken to keep the dust nuisance down as and where necessary.

Dismantling shall be commenced in a systematic manner. All materials which are likely to be damaged by dropping from a height or demolishing roof, masonry etc. shall be carefully dismantled first. The dismantled articles shall be properly stacked as directed.

All materials obtained from demolition shall be the property of Government unless otherwise specified and shall bee kept in safe custody until handed over to the Engineer-in-charge.

Any serviceable materials, obtained during dismantling or demolition shall be separated out and stacked properly as directed with all lead and lift. All unserviceable materials, rubbish etc., shall be stacked as directed' by the Engineer-m-charge.

On completion of work, the site shall be cleared of all debris rubbish and cleaned as directed.

**Mode of measurements:**

The rate shall include the cost of all materials and labours involved in the operations described under workmanship. The rate shall be for a unit of One number.

**Item No.4:**

**Dismantling C.I. pipes G.S.W.pipes abd A.C. rain water pipes with fittings and clamps including stacking the materials with all lead and lift ( for any dia, of pipe)**

The demolition shall consist of demolition of one or more parts of the building as specified or shown in the drawings. Demolition implies taking up or down or breaking up. This shall consist of demolishing whole or part of work including all relevant items as specified or shown in the drawings.

The demolition shall always be planned before hand shall be done in reverse order to the one in which the structure was constructed. This scheme shall be got approved form the Engineer-in-charge before starting the work. This however will not absolve the contractor from the responsibility of proper and safe demolition.

Necessary propping, shoring and under pinning shall be provided for the safety of the adjoining work or property, which is to be left intact, before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining property.

Wherever required, temporary enclosures or partitions shall also be provided. Necessary precautions shall be taken to keep the dust nuisance down as and where necessary.

Dismantling shall be commenced in a systematic manner. All materials which are likely to be damaged by dropping from a height or demolishing roof, masonry etc. shall be carefully dismantled first. The dismantled articles shall be properly stacked as directed.

All materials obtained from demolition shall be the property of Government unless otherwise specified and shall bee kept in safe custody until handed over to the Engineer-in-charge.

Any serviceable materials, obtained during dismantling or demolition shall be separated out and stacked properly as directed with all lead and lift. All unserviceable materials, rubbish etc., shall be stacked as directed' by the Engineer-m-charge.

On completion of work, the site shall be cleared of all debris rubbish and cleaned as directed.

The relevant specifications of item No. 20.23 shall be followed except that the dismantling work of pipes lines of C.I., G.S.W. & A.C. Pipes with fitting shall be carried out.

**Mode of measurements:**

Measurements of all work except hidden work shall be taken before demolition or dismantling and no allowance for increase in bulk shall be allowed. The demolition of lime concrete shall be measured under this item. Specification for deduction for voids, openings etc. shall be on same basis as that employed for construction of work, The rate shall be for a unit of one sq. meter.

Water pipe lines, including rain water pipes, with clamps and specials, sewer pipe lines, (Salt glazed ware or concrete) etc. shall be measured in running meter inclusive of joints. (The measurements shall be taken along the centre line of pipe and fittings).

The rate shall be for a unit of One running meter.

**Item No.5:**

**Providing and laying water proofing treatment by conventional method including cleaning the slab surface by wire brush as directed including providing first layer of C.M. 1:4 of 40 mm thickness mixed with water proofing compound at rate prescribed by manufacturer, including putting of brick bats of average thickness 40 mm Well immersed in water laid uniformly on first layer of mortar including applying cement slurry @ rate of 0.08 bag/sqm. on fixed layer of brick bats including maintaining necessary slope, in second layer 40 mm thick C.M 1:4 mixed with water proofing compound as directed, including finishing smooth with cement slurry as directed complete.**

**Material:**

Providing and laying water proofing treatment by conventional method including cleaning the slab surface by wire brush as directed including providing first layer of C.M. 1:4 of 40 mm thickness mixed with water proofing compound at rate prescribed by manufacturer, including putting of brick bats of average thickness 40 mm Well immersed in water laid uniformly on first layer of mortar including applying cement slurry @ rate of 0.08 bag/sqm. on fixed layer of brick bats including maintaining necessary slope, in second layer 40 mm thick C.M 1:4 mixed with water proofing compound as directed, including finishing smooth with cement slurry as directed complete.

**Workmanship:**

The demolition shall consist of demolition of one or more parts of the building as specified or shown in the drawings. Demolition implies taking up or down or breaking up. This shall consist of demolishing whole or part of work including all relevant items as specified or shown in the drawings.

The demolition shall always be planned before hand shall be done in reverse order to the one in which the structure was constructed. This scheme shall be got approved from the Engineer-in-charge before starting the work. This however will not absolve the contractor from the responsibility of proper and safe demolition.

Necessary propping, shoring and under pinning shall be provided for the safety of the adjoining work or property, which is to be left intact, before dismantling and demolishing is taken up and the work shall be carried out in such a way that no damage is caused to the adjoining property.

Wherever required, temporary enclosures or partitions shall also be provided. Necessary precautions shall be taken to keep the dust nuisance down as and where necessary.

Dismantling shall be commenced in a systematic manner. All materials which are likely to be damaged by dropping from a height or demolishing roof, masonry etc. shall be carefully dismantled first. The dismantled articles shall be properly stacked as directed.

All materials obtained from demolition shall be the property of Government unless otherwise specified and shall be kept in safe custody until handed over to the Engineer-in-charge.

Any serviceable materials, obtained during dismantling or demolition shall be separated out and stacked properly as directed with all lead and lift. All unserviceable materials, rubbish etc., shall be stacked as directed' by the Engineer-in-charge.

On completion of work, the site shall be cleared of all debris rubbish and cleaned as directed

**Mode of measurements:**

Measurements of all work except hidden work shall be taken before demolition or dismantling and no allowance for increase in bulk shall be allowed. The demolition of lime concrete shall be measured under this item. Specification for deduction for voids, openings etc. shall be on same basis as that employed for construction of work, The rate shall be for a unit of one sq. meter.

The rate shall include staking the unserviceable materials as directed with all lead and lift  
The rate shall be for a unit of One Square meter.

**Item No:6:**

**P & L 30x30 cm. Matt Finished Ceramic Tiles 6 mm thick in flooring treads of steps and landing laid on a bed of 12 mm thick cement mortar 1:3(1-cement:3-coarse sand)finishing with flush pointing in colour cement slurry etc. complete. Colour and Shade approved by Engineer-In-Charge**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.14.32 P.No.97 P & L 30x30 cm. Matt Finished Ceramic Tiles 6 mm thick tile instead of white glazed tiles.

The rate shall be for a unit of one sq. meter.

**Item No:7:**

**Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.14.32 P.No.97 P & L 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm thick tile instead of white glazed tiles.

The rate shall be for a unit of One Square meter.

**Item No:8:**

**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 concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.**

**General:**

The relevant specifications of Building Booklet It. No.23.8.(A) Page No.162 shall be followed expect use level 15mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings make PRINCE SUPREME ASTRAL FINOLEX or equivalent and Pipe shall be fixed on the wall with the help of clamp at every two metre C C or shall be concerned as directed as approved by Engineer In Charge and instead of 6 kgs sq.cm. working pressure polythene pipes of 15 mm dia.

**Mode of measurements:**

The rate shall be for a unit of One Running meter.

**Item No:9:**

**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 concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.**

The relevant specifications of Building Booklet It. No.23.8.(B) Page No.162 shall be followed expect use level 25mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings make PRINCE SUPREME ASTRAL FINOLEX or equivalent and Pipe shall be fixed on the wall with the help of clamp at every two metre C C or shall be concerned as directed as approved by Engineer In Charge and instead of 6 kgs sq.cm. working pressure polythene pipes of 25mm dia.

**Mode of measurements:**

The rate shall be for a unit of Running Meter.

**Item No:10:**

**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 concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.**

**General:**

The relevant specifications of Building Booklet It. No.23.8.(A) Page No.162 shall be followed expect use level 40mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings and Pipe shall be fixed on the wall with the help of clamp at every two metre C C or shall be concerned as directed as approved by Engineer In Charge and instead of 6 kgs sq.cm. working pressure polythene pipes of 20mm dia.

**Mode of measurements:**

The rate shall be for a unit of One Running meter.

**Item No:11:**

**Providing laying and jointing in true line and level 50mm 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.**

**General:**

The relevant specifications of Building Booklet It. No.23.8.(A) Page No.162 shall be followed expect use level 50mm dia. U.P.V.C. Pipe ( SCH- 40) for cold water including fittings and Pipe shall be

fixed on the wall with the help of clamp at every two metre C C or shall be concerned as directed as approved by Engineer In Charge and instead of 6 kgs sq.cm. working pressure polythene pipes of 20mm dia.

**Mode of measurements:**

The rate shall be for a unit of One Running meter.

**Item No:12:**

**Providing erecting and fixing double coated (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.**

The relevant specifications of Providing erecting and fixing double coated (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.

The rate shall be for a unit of one ltr.

**Item No:13:**

**Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (ii) 50mm dia.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.23.00.5 (A)(II) P.No.173 for 50 mm.

The rate shall be for a unit of one Nos.

**Item No:14:**

**Providing, laying and jointing in true line and level 160 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210 mm length x 196 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.**

**Material:**

Providing, laying and jointing in true line and level 160 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diameter x 210 mm length x 196 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.

**Workmanship:**

The pipes and fittings shall be of best quality as approved, by the Engineer-in-charge. The pipe shall be of best quality manufactured from stone-ware of fire clay, salt glazed thoroughly burnt through the whole thickness, of a close, even texture, free from air blows, fire blisters, cracks and other imperfections, which affect the serviceability. The inner and outer surfaces shall be smooth and perfectly glazed. The pipe shall be capable to withstand pressures or 1.5 M head without showing sign of leakage. The thickness of the wall shall not be less than 1/12th of the internal dia. The depth

of socket shall not be less than 38 mm. The socket shall be sufficiently large to allow a joint of 6 mm. around the pipe.

**Mode of measurements:**

The rate shall be for a unit of Running Meter.

**Item No:15:**

**Providing, laying and jointing in true line and level 75 mm dia. UPVC SWRType B pipe conforming to IS 13592-1992 with one end plain and other end socketed with rubbering and fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp at every 2000 mm c/c or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.**

**Material:**

Providing, laying and jointing in true line and level 75 mm dia. UPVC SWRType B pipe conforming to IS 13592-1992 with one end plain and other end socketed with rubbering and fitting conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp at every 2000 mm c/c or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.

**Workmanship:**

The pipes and fittings shall be of best quality as approved, by the Engineer-in-charge. The pipe shall be of best quality manufactured from stone- ware of fire clay, salt glazed thoroughly burnt through the whole thickness, of a close, even texture, free from air blows, fire blisters, cracks and other imperfections, which affect the serviceability. The inner and outer surfaces shall be smooth and perfectly glazed. The pipe shall be capable to withstand pressures or 1.5 M lead without showing sign of leakage. The thickness of the wall shall not be less than 1/12th of the internal dia. The depth of socket shall not be less than 38 mm. The socket shall be sufficiently large to allow a joint of 6 mm. around the pipe.

**Mode of measurements:**

The rate shall be for a unit of Running Meter.

**Item No:16:**

**Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diameter x 149 mm length x 145 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.**

**Material:**

Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110

mm diameter x 149 mm length x 145 mm height at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.

**Workmanship:**

The pipes and fittings shall be of best quality as approved, by the Engineer-in-charge. The pipe shall be of best quality manufactured from stone-ware of fire clay, salt glazed thoroughly burnt through the whole thickness, of a close, even texture, free from air blows, fire blisters, cracks and other imperfections, which affect the serviceability. The inner and outer surfaces shall be smooth and perfectly glazed. The pipe shall be capable to withstand pressures or 1.5 M head without showing sign of leakage. The thickness of the wall shall not be less than 1/12th of the internal dia. The depth of socket shall not be less than 38 mm. The socket shall be sufficiently large to allow a joint of 6 mm. around the pipe.

**Mode of measurements:**

The rate shall be for a unit of Running Meter.

**Item No:17:**

**Providing and fixing in PVC SWR cover 75mm dia to pipes.(B) 75mm dia.**

The rate shall be for a unit of One Nos.

**Item No:18:**

**Providing and fixing in PVC SWR cover 110mm dia to pipes.(B) 110mm dia.**

The rate shall be for a unit of One Nos.

**Item No:19:**

**Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scribed down or hinged grating including the cost of cutting and making good the walls.**

**Materials:**

Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self-cleansing design with C.I scribed down or hinged grating including the cost of cutting and making good the wall.

Nahni trap shall be of cast iron and shall be sound and free from porosity or other defects which affect serviceability. The thickness of the base metal shall not be less than 6.5 mm. The surface shall be smooth and free from craze, chips and other flaws or any other kind of defects which affect serviceability. The size of nahni trap shall be specified and shall be of self cleaning design.

The Nahni trap shall be of-quality approved by the Engineer-in-charge and shall generally conform to the relevant Indian Standards.

The Nahni trap provide shall be with deep seal, minimum 50 mm. except at places where trap with deep seal cannot be accommodated. The cover shall be cast iron perforated cover shall be provided on the trap of appropriate size.

**Mode of measurements:**

The rate includes cost of all labour, materials, tools and plant etc. required for satisfactory completion of this item.

The rate shall be for a unit of One Number.

**Item No:20:**

**Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.**

**Materials:**

15 mm. dia. brass screw down with bright polished finished shall conform to I.S. 781-1977. The bib cock shall be best Indian make and quality.

**Workmanship:**

The screw down bib cock 15 mm. as specified above shall be fixed as directed. The threaded portion shall be smeared with white or red lead and around with a few turns of fine spun yarn round the screwed end of the pipe. The bib cock shall be then screwed and fixed to water tight position.

**Mode of measurements and payment:**

The rate includes cost of all labour, materials, tools and plant etc. required for satisfactory completion of this item.

The rate shall be for a unit of One Number.

**Item No:21:**

**Providing and fixing brass screw down stop tap.(A) 15mm dia.**

**Materials:**

A bib cock is a draw off tap with a horizontal inlet and free outlet A stop cock is a valve with suitable means of connection for insertion in a pipe line for controlling or stopping the flow The brass screw down stop cock of specified dia shall conform to IS. : 781 -1977 The stop cock shall be of tested quality.

**Workmanship:**

The stop cock shall be fixed in position by means of Jam nut and socket. The stop cock shall be fixed near the inlet of the water meter or as directed. The joints shall be done with white zinc and spun yarn. The joint shall be tested for leak proofing.

**Mode of measurements and payment:**

The rate includes cost of all labour, materials, tools and plant etc. required for satisfactory completion of this item.

The rate shall be for a unit of One Number.

**Item No:22:**

**Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.**

**Workmanship:**

The capstan head pillar tap of specified dia. shall be fixed as directed with required washers of selected leather or rubber asbestos composition or of plastic as directed. The cock shall fixed with pipe line white Zink end spun yarn, to make joint water tight. The work shall be carried out in best workman like manner.

**Mode of measurements and payment:**

The rate shall be for a unit of one number.

**Item No:23:**

**Providing and fixing wash down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately (A) vitreous China Pattern :(i) in white colour**

**Materials :**

The European type water closet shall be white glazed porcelain first quality and shall be of wash down type conforming to I.S. 2556-1973 and I.S. 771-1979

'S' trap shall be provided as required with water seal not than 50 mm. The solid plastic seat and cover shall be of best Indian make conforming to I.S 2548-1980. They shall be made of moulded synthetic materials which shall be tough and hard with high resistance to solvents and shall be free from blisters and surface defects and shall have chromium plated brass hinges and rubber buffer of suitable size.

**Workmanship:**

The pan shall be sunk into the floor and embedded in a cushion of average 15 cm. cement concrete 1:5:10 (1 cement : 10 graded stone aggregate or brick aggregate 40 mm. nominal size) or and its bed concrete, the floor should be left 115 mm.-below the top level of the pan so as to allow for flooring and its bed concrete. The floor should be suitably stopped so that the waste water is drained into the pan. The shall be provided with 100 mm. The 'P' or 'S' trap shall be fixed with pan cast iron pipe with C.M. 1.1. The pan shall be provided with a 100 nun. 'P' or 'S' trap as specified in the item with an approximately 50 mm. seal The joint between the pan and the trap shall be made leak-proof with cement mortar 1:1(1 cement : 1 fine sand).

**Mode of measurements and payment:**

The rate shall include the cost of all materials and labours involved in the operations described under workmanship.

The rate shall be for a unit of One number.

**Item No:24:**

**Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour**

The relevant specification shall be followed as per Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour

The rate shall be for a unit of One Nos

**Item No.25:**

**Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Plastic seal and cover.**

**Materials :**

Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Plastic seal and cover.

**Workmanship:**

The pan shall be sunk into the floor and embedded in a cushion of average 15 cm. cement concrete 1:5:10 (1 cement : 10 graded stone aggregate or brick aggregate 40 mm. nominal size) or and its bed concrete, the floor should be left 115 mm.-below the top level of the pan so as to allow for flooring and its bed concrete. The floor should be suitably stopped so that the .waste water is drained into the pan. The shall be provided with 100 mm. The 'P' or 'S' trap shall be fixed with pan cast iron pipe with C.M. 1.1. The pan shall be provided with a 100 nun. 'P' or 'S' trap as specified in the item with an approximately 50 mm. seal The joint between the pan and the trap shall be made leak-proof with cement mortar 1:1(1 cement : 1 fine sand).

**Mode of measurements and payment:**

The rate shall include the cost of all materials and labours involved in the operations described under workmanship.

The rate shall be for a unit of One number.

**Item No.26:**

**Providing and fixing Jet spray heavy duty with S.S. Braided hose 60 cm long with wall hook and other accessories etc. completed**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No. P.No.

The rate shall be for a unit of One Nos

**Item No.27:**

**Providing and fixing wash basin with single hole for pillar tap with C.I. Or M.S. brackers painted white including cutting holes and making good the same including pillar tap, Brass waste, stop cack , bottle trap and M I fisher union fittings :(ii) Flat back wash basin 500mm x 400mm size including all necessary fittings etc complete shade and pattern as approved by Engineer in charge.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No. P.No.

**Mode of measurements:**

The rate shall be for a unit of One number.

**Item No.28:**

**Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers.**

**Material:**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.23.143. P.No.169

The rate shall be for a unit of One number.

**Item No.29:**

**Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware 550mm x 300mm.**

The relevant specification shall be Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware 550mm x 300mm.

The rate shall be for a unit of One Nos.

#### **Item No:30:**

**Providing and fixing polished 18 mm thick black granite with full round edge and double side polished of approved quality in between urinal and fixing with cement slurry & adhesive including moulding of both exposed edges as directed by engineering in charge etc. complete.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.23.127. / P.No.167

The rate shall be for a unit of One Sqare meter.

#### **Item No:31:**

**Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight (i) Square mouth traps (B) 150mm x 100mm size P or R type**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.24.19.(I) P.No.176

The rate shall be for a unit of One Nos.

#### **Item No.32:**

**Removing and scraping of old deteriorated plaster of any thickness fromm wall / R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift**

1.0 Workmanship

1.1The removing of plaster of any thickness i.e. cement as lime from brick masonry / U.C.R.

masonry / concrete, surface shall be scraped thoroughly by hand chiseling or scraper & followed by wire brushing (First with coarse and then fine brushes).

This shall then wash out finally with portable water, scaffolding for the work shall be provided & erected as per requirement, it should be not be supported on wall, the scraped serviceable materials shall staked as directed and disposed the unserviceable materials as directed by engineer in charge.

2.0 Mode of Measurement & Payment

2.1 The work shall be measured in actual area of work done.

2.2 The rates shall be for a unit of one Sq.mt

#### **Item No.33:**

**Providing 15mm thick cement plaster in single coat on Rough (Similar) side of single or half brick walls / concrete wall for interior plastering and finished even and smooth in C M 1:4 (1 cement : 4 coarse sand) finish etc. comp. For Ground floor**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.17.95 P.No.122 with 15 mm thick double coat mala cement plaster on interior brick / concrete work with 10mm grooves at junction of structural members etc. complete. For Ground Floor

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

#### **Item No.34:**

**Providing 15mm thick cement plaster in single coat on Rough (Similar) side of single or half brick walls / concrete wall for interior plastering and finished even and smooth in C M 1:4 (1 cement : 4 coarse sand) finish etc. comp. For First Floor**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.17.95 P.No.122 with 15 mm thick double coat mala cement plaster on interior brick / concrete work with 10mm grooves at junction of structural members etc. complete. For First Floor

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

#### **Item No.35:**

**Providing 15mm thick cement plaster in single coat on Rough (Similar) side of single or half brick walls / concrete wall for interior plastering and finished even and smooth in C M 1:4 (1 cement : 4 coarse sand) finish etc. comp. For Second Floor**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.17.95 P.No.122 with 15 mm thick double coat mala cement plaster on interior brick / concrete work with 10mm grooves at junction of structural members etc. complete. For S. Floor

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

#### **Item No.36:**

**Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs and finished even and smooth in : (I) Cement mortar 1:4 (1 cement : 4 sand) etc. complete comp. For Ground Floor**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.17.58.(li)/P.120 +17.69&17.91/ P.121 with Mala troveled finish etc. complete. Ground Floor

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

#### **Item No.37:**

**Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs and finished even and smooth in : (I) Cement mortar 1:4 (1 cement : 4 sand) etc. complete comp. For First Floor**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.17.58.(li)/P.120 +17.69&17.91/ P.121 +17.94(II)/ P.122 with Mala troveled finish etc. complete. Frist Floor

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

### **Item No.38:**

**Providing 10 mm. Thick cement plaster in single coat for plastering on ceiling and soffits of stairs and finished even and smooth in : (I) Cement mortar 1:4 (1 cement : 4 sand) etc. complete comp. For Second Floor**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.17.58.(li)/P.120 +17.69&17.91/ P.121 +17.94(II)/ P.122 with Mala troveled finish etc. complete. Second Floor

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

### **Item No.39:**

**Removing dry or oil bound distemper by a washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.18.33 P.No.129

The late shall be for a unit of one sq. meter.

### **Item No.40:**

**Removing dry or oil bound distemper by a washing and scraping and sand papering the ceiling surface smooth including necessary repairs to scratches complete.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.18.33 P.No.129

The late shall be for a unit of one sq. meter.

### **Item No.41:**

**Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.18.17. / P.No.127 except that using for two coats of Birla (White cement based) or Asian (acrylic lapy-putty) or equivalent & two coats of primer of approved brand and manufacture on new wall surface instead of colour washing of un decorative wall

The late shall be for a unit of one sq. meter.

### **Item No.42:**

**Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.18.57+18.59 / P.No.136 & It.No.18.60 / P.No.137.

The rate shall be for a unit of one sq. meter.

#### **Item No.43:**

**Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated ceiling surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.18.57+18.59 / P.No.136 & It.No.18.60 / P.No.137.

The rate shall be for a unit of one sq. meter.

#### **Item No.44:**

**Painting Two coats (excluding priming coat) on previously painted steel and other metal surface with enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.19.7 P.No.138

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

#### **Item No.45:**

**Removing, Repairing and Refixing Old existing wooden door shutter including repairing the shutter/frame using Randha machine and replacing old fixture and fastening with new SS 304 grade fixtures like 3 Hinges, 1 Stoppers, 1 Aldrop , 2 Handle & 1 lock etc. and as directed by engineer in charge etc comp.**

##### **GENERAL**

Removing, Repairing and Refixing Old existing wooden door shutter including repairing the shutter/frame and replacing old fixture and fastening with new SS 304 grade fixtures like 3 Hinges, 1 Stoppers 20cm, 1 Aldrop 25cm, 2 Handle 10cm, 1 Tadi 20cm etc. Applying primer coat + Painting one coat of Wood as directed by engineer in charge etc comp.

##### **Repairing door shutter**

The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.10.30 P.No.72 except that using Removing, Repairing and Refixing Old existing wooden door shutter including repairing the shutter/frame and replacing old fixture and fastening with new SS 304 grade fixtures like 3 Hinges, 1 Stoppers 20cm, 1 Aldrop 25cm, 2 Handle 10cm, 1 Tadi 20cm etc. Applying primer coat + Painting one coat of Wood as directed by engineer in charge etc comp.

Necessary S.S. fixtures and fastening like Screw, Khili, SS hinges, SS handle , magnate, stoppers etc. Shall be provided as directed by engineer in charge.

For colour The relevant specification shall be followed as per General Technical specification for Building work booklet It.No.19.71 P.No.142

Aluminium shall be confirm with Specification no M-31 from specification booklet for Building works

#### **Fixtures**

Specification no M-43 from specification booklet for Building works for fixture and fastening shall be applied for this item.

#### **Bolts**

All bolts shall be of approved make. Shall be Free from any scratches or holes or any damages on surface. And shall have finished lustre surface on all sides.

#### **Workmanship**

The non-teak wood frame inserted into the hallow aluminium section frame

The Work shall be done with extreme finishing, required all the fixtures and fastenings shall be fitted at right place and as directed by Engineer in charge.

#### **Mode of measurement**

The consolidated Item shall be measured and paid on its breadth and height limiting dimensions to those specified in estimate plan or as directed.

The payment will be made on square meter basis of the finished work.

Consolidation of all Item shall be measured and paid based on No.

### **Item No.46:**

**Removing, Repairing and Refixing existing Alluminium window frame with glass of all size shutter/frame, replacing all old Mosquite Net fixtures with new locks, screws etc. including repairing the shutter/frame with Rates includes all labour charges for removing, repairing & refixing the window, all materials, transport cost, taxes etc.and as directed by engineer in charge etc complete.**

Item including, Removing, Repairing and Refixing existing Alluminium window frame with glass of all size shutter/frame, replacing all old fixtures with new locks, screws etc. including repairing the shutter/frame with Rates includes all labour charges for removing, repairing & refixing the window, all materials, transport cost, taxes etc.and as directed by engineer in charge etc complete.

The payment will be made on No basis of the finished work.

The rate shall be for a unit of one No.

### **Item No.47:**

**Removing, Repairing and Refixing existing Alluminium fix ventilation frame with glass of all size shutter/frame, replacing all old fixtures with new locks, screws etc. including repairing the shutter/frame with Rates includes all labour charges for removing, repairing & refixing the Ventilation, all materials, transport cost, taxes etc.and as directed by engineer in charge etc complete.**

window frame with glass of all size shutter/frame, replacing all old fixtures with new locks, screws etc. including repairing the shutter/frame with Rates includes all labour charges for removing, repairing & refixing the window, all materials, transport cost, taxes etc.and as directed by engineer in charge etc complete.

The payment will be made on No basis of the finished work.

The rate shall be for a unit of one No.

### **Item No.48:**

**Providing and laying cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth**

The relevant specifications of Building Booklet It. No. 5.3.13 Page No.32

The rate shall be for a unit of **one Cubic meter**.

The Rate shall be for a unit of one Cubic meter.

**Deputy Executive Engineer  
Valsad (R&B) Sub-Division  
Valsad**

**Signature of Contractor**

**Executive Engineer  
Valsad (R&B) Division  
Valsad**