

Name of Work : S.R. to Govt girls polytechnic at Ahmedabad (Repairing and Renovation of Plaster, flooring, Toilet, water supply, plumbing, drainage, doors, window, color and other misc. work)(In Various Building of Girls Polytechnic Campus.)

SPECIFICATION

Item No. 1 Removing and scrapping 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

WORKMANSHIP :

The scrapping of old plaster shall consist of one or more parts of the building as specified by the engineer in charge of shown in the drawing.

Scrapping shall be commenced in a systematic manner. The process shall in no way cause. Damage to the underlying masonry or to be adjoining property or structure.

Necessary precautions shall be taken to keep the dust nuisance as and where necessary all serviceable materials rubbish debries etc. shall be taken as directed by the engineer in charge. On completion of work the site shall be cleared of all debries rubbish etc. With all lead and lift cleared as directed.

MODE OF MEASURMENT & PAYMENT :

Measurment of all work shall be taken before scrapping plaster. Specifications for deduction opening etc shall be on the same basis as that employed for providing plastering.

All the 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 smt. The rate shall be include the cost of all labour involved and tools used in scrapping plaster including scaffolding for any height.

The rate shall also include the charged for disposing of unserviceable materials with all lead & lift.

The rate shall be for a unit of one Smt.

Item No. 2 Excavation for foundation up to 1.5mt.depth including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 meter lead. (A)Loose or soft soil

Specification for this item shall conform to Item No. 4.0.0. (a) Page No. 21 for General Technical Specification for Building work.

Rate shall be for a unit of one Cubic Meter.

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Item No. 3 Dismantling C.I. pipes G.S.W. pipes and A.C. Rain water pipes with fittings and clamps incl. Stacking the materials with all lead and lift (for any dia of pipe)

Specification for this item shall confirm to Item No. 20.56, P. 133 of general technical specification for building work.

Rate shall be for a unit of one Rmt.

Item No. 4 **Dismantling sanitary fittings like wash-basin, W.C. Pan indian and european type, flushing tank etc. incl. Stacking the materials with all lead and lift.**

Specification for this item shall confirm to Item No. 20.001, P. 133 of general technical specification for building work.

Rate shall be for a unit of one No.

Item No.5 **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.**

Specification for this item shall confirm to Item No. 14.32, Pg. No.85 except of general technical specification for building work. Size, Colour shed, Design & make use as per the instruction of Engineer in charge.

Rate shall be for a unit of one Smt.

Item No.6 **P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismentaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for light shade.**

Specification for this item shall confirm to Item No. 14.29, Pg. No. 90 except of general technical specification for building work. Size, Colour shed, Design & make use as per the instruction of Engineer in charge.

Rate shall be for a unit of one Smt.

Item No.7 **Providing and laying Vitrified tiles 8 to 10 mm thick 24" x 24" in skirting risers of steps and dedo on 10 mm thick cement plaster 1:3 (1 cement: 3. coarse sand) oand jointed with cement slurry (upto 10 ton)**

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".

Item No.8 **Providing and laying polished Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6 coarse sand) or L.M. 1.1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick (upto 10 ton)**

Specification for this item shall confirm to Item No. 14.43 (A), Pg. No. 86 of general technical specification for building work.

Rate shall be for a unit of one Smt.

Item No. 9 **Providing 10 mm thick cement plaster in single coat on brick/concrete walls for interior plastering up to floor two level finished even and smooth in (ii) cement mortar 1 : 4 (1 cement : 4sand).**

The sand to be use shall confirmed to M-6. The cement to be used shall confirmed to M-3. The water to be used shall be confirmed to M-1.

Workmanship :

The relevant specification of item no. 17.58 (II) / P. 105 of G.T.S. Booklet for rough coat shall be followed the rough backing coat of plaster in cement mortar 1 : 4 shall be cured for atleast three days before starrng the top finishing coat. The top finishing coat of plaster shall be carried out in cement mortar 1:4 (1 cement : 4 coarse sand) the top coat shall be finished by using trowel as directed by Engineer-in-charge. The total thickness of plaster shall be 10mm thick. The cement shall be hand mixed or machine mixed as directed by engineer-in-charge. The cement mortar shall not be mixed at below a place where plaster work is to be carried out in filtration of deturious extraneous material in to raw mortar. The work is to be carried out in line and level as directed by Engineer-in-charge during to finished surface to be carried out for period of seven days minimum time in a day from completion of work. Work shall be carried out for First Floor

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

Item No. 10

Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (ii) Cement mortar 1:4 (1-cement :4-sand)

Workmanship :

The relevant specification of item no. 17.58 (II) / P. 105 of G.T.S. Booklet for Building works. Cement Plaster shall be 15mm thick instead of 10mm thick.

Work shall be carried out Mala Finish instead of Cement Finish.

Work shall be carried out for Ground Floor.

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

Item No. 11

Providing, laying and jointing in true line and level 15mm U.P.V.C pipe (SCH - 40) of ollowing dia. including fittings of standard make as approved by Engineer - in -charge. Pipe shall be fixed on the wall with the help of clamp at every 2000 mm center to center 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. [A] 15 mm.

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 of 15mm instead of 20mm wall ceiling and flow of 6kg/sq.cm pipe.

The rate shall be for a unit of one Smt.

Item No. 12

Providing, laying and jointing in true line and level 25mm U.P.V.C pipe (SCH - 40) of ollowing dia. including fittings of standard make as approved by Engineer - in -charge. Pipe shall be fixed on the wall with the help of clamp at every 2000 mm center to center 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. [C] 25 mm.

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 wall ceiling and flow of 6kg/sq.cm pipe.

The rate shall be for a unit of one Smt.

Item No. 13 **Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including Fittings make 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 adhesivesolvent, 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 wall ceiling and flow of 6kg/sq.cm pipe. The rate shall be for a unit of one Smt.

Item No. 14 **Providing laying and jointing in true line and level 50mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including Fittings make 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 adhesivesolvent, 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 wall ceiling and flow of 6kg/sq.cm pipe. The rate shall be for a unit of one Smt.

Item No. 15 **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 scread down or hinged grating including the cost of cutting and making good the walls.**

Specification for this item shall confirm to Item No. 23.87 /Pg. 146 of general technical specification for building work.

Rate Shall be for a unit of one No.

Item No. 16 **Providing and fixing S.W. Gully trap with C.I. grating brick masonry chamber & water tight C.I. cover with frame of 300 mm x 300 mm. size (inside) with standard weight. [I] Square mouth trap (B) 150 mm. x 100 mm. size P-type. Or R-type**

Specification for this item shall confirm to Item No. 24.19 (I), Pg. No. 156 of general technical specification for building work. Read 150mm x 100mm instead of 100mm x 100mm.

Rate shall be for a unit of one No.

Item No. 17 **Providing and fixing water closet squatting pan (Indian type Orissa W.C pan) size 580 mm including 100 mm size P or S Trap.(earth work ,bed concret, foot rests and trap to be measuerd and paid for seperatly) (A) Vitreous China (II) Long Pattern white/colour.**

Specification for Indian / Orissa type W.C. Pan shall conform to Item No. 23.111 (A) (I), Page No. 145 + Item No. 23.113 (A), Page No. 146 for General Technical Specification for Building work.

Rate shall be for a unit of One Number.

Item No. 18 **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) (seat and cover to be measured and paid for seperately) (A) Vitreous China (I) Long pattern white colour. including fixing plastic seat**

& cover for wash down water closet with C.P brass hinges and rubber buffers. (B) Black plastic seat & cover.

Specification for this item shall conform to Item No. 23.112 (A) (I), Page No. 146 for General Technical Specification for Building work. Seat and cover shall be used of best approved and good quality and shall be got approved before use.

Rate shall be for a unit of One Number.

Item No. 19

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

The Plastic seat and cover for wash down water closer with c.p brass hinges and rubber buffers (B). Black plastic seal and cover shall be approved make and it shall be best quality got approved from Engineer-in-charge.(IS 2448:1980)

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

Item No. 20

Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour. including C.P. brass waste for washbasin or sink. (A) 32mmdia. including M.I. fisher union for washbasin or sink. (A) 32mm dia. and brass screw down stop tap.(A) 15mm dia.

Specification for this item shall conform to Item No. 23.127, Page No. 148 + Item No. 23.135 (A), Page No. 149 + Item No. 23.136 (A), Pg. No. 149 + Item No. 23.96 (A), Page No. 151 for General

Technical Specification for Building work. All materials shall be got approved by Engineer-in-charge.

Rate shall be for a unit of One Number.

Item No. 21 **Providing and fixing Urinal or approved quality including connecting the Urinal with waste pipe , tapetc. complete.(A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.**

The specification shall be followed as per Item No. 23.122(A) / P. 152 of G.T.S. Booklet for Building works.

Material shall got approved with Engineer-in-charge prior to execution of work. Work shall be carried out as per the instruction of Engineer-in-charge.

The payment shall be paid for one Number basis.

Item No. 22 **Providing and fixing chromium plated brass half turn flush cock of approved quality including fixing in pipe line etc. complete.(ii) 25mm dia..**

Specification for this item shall conform to Item No. 23.001 (II), Page No. 152 for General Technical Specification for Building work.

All materials shall be got approved by Engineer-in-charge.

Material shall got approved with Engineer-in-charge prior to execution of work. Work shall be carried out as per the instruction of Engineer-in-charge.

Rate shall be for a unit of One Number.

Item No. 23

Providing and fixing chromium plated brass half turn flush cock of make ESSCO/ESSESS or equivalent including fixing in pipe line etc. complete. (II) 15 mm diameter.

Specification for this item shall conform to Item No. 23.001 (II), Page No. 152 for General Technical Specification for Building work. All materials shall be of ESSCO/ESSESS or equilibrium make got approved by Engineer-in-charge.

Material shall got approved with Engineer-in-charge prior to execution of work. Work shall be carried out as per the instruction of Engineer-in-charge.

Rate shall be for a unit of One Number.

Item No. 24 Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts.(i) 15mm dia.

Specification for this item shall conform to Item No. 23.95 (A)(I), Page No. 151 for General Technical Specification for Building work.

Materials:

Pillar cock shall be conform to tested quality. It shall be also approved by engineer in charge. Pillar cock size shall be 15 mm in dia.

Workmanship:

Pillar cock 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 number basis.

Item No. 25 Providing and fixing C.P. Angle stop cock 15 mm Heavy duty with cap 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. 26 Providing and fixing C.P. brass waste for washbasin or sink. (A) 32mmdia.

Specification for this item shall conform to Item No. 23.135 (A), Page No. 149 for General Technical Specification for Building work.

All materials shall be got approved by Engineer-in-charge.

Rate shall be for a unit of One Number.

Item No.27 Providing and fixing Gun metal check or non- return fullway wheel valve.(C) 25mm dia.

Details specification for this item shall be as per G.T.S. for building works booklet page 152 & item no 23.99 (C). ISI marked 250mm diameter gun metal check or non return full way wheel valve of the make of approved by engineer-in-charge shall be used.

The rate shall be for a unit of one number.

Item No. 28 Providing and fixing Gun metal check or non- return fullway wheel valve.(E) 40mm dia.

Details specification for this item shall be as per G.T.S. for building works booklet page 152 & item no 23.99 (E). ISI marked 40mm diameter gun metal check or non return full way wheel valve of the make of approved by engineer-in-charge shall be used.

The rate shall be for a unit of one number.

Item No. 29 Providing and fixing ball cock of approved.Quality as directed.(B) Abonite (ii) 50mm dia.

Specification for this item shall confirm to Item No. 23.00.5(A)/Pg. 153 of general technical specification for building work.

Rate Shall be for a unit of one No.

Item No. 30 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.

Specification for this item shall conform to Item No. 23.143, Page No. 150 for General Technical Specification for Building work. Material shall got approved with Engineer-in-charge prior to execution of work. Work shall be carried out as per the instruction of Engineer-in-charge.

Rate shall be for a unit of One Number.

Item No. 31 Distempeing (Two coats) with oil bound distemper of approved brand and manufacture and of required shade on wall surfaces to give an even shade, over and including a priming coat with

distemper primer of approved brand and manufacture after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and sand papered smooth.

Specification shall be conform to Item No. 18.44, Page No. 116, Page No. 118 of G.T.S. Booklet for Building works.

Rate shall be for a unit of one Smt.

Item No.32

Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials. etc complete.

Materials:

The water shall conform to M-1, Pg. No.3 of general technical specification for building work. Acrylic paint should be high performance long lasting exterior paint and shall be withstand extreme rainfall, humidity and heat acrylic paint shall be of Asian or equivalent brand as approved by the engineer-in-charge. It shall be based on specially formulated 100% pure acrylic resins, light fast pigments and other special activities to give excellent protection against alkali and U.V. degradation. It shall forms a tough band with surface prevailing peeling fungus and agree growth for years and years.

It shall have smooth and free flowing consistency and thinner ratio of paint : water shall be 100 : 40 by volume for each coat or as directed by the company brochure.

The final finish shall be matt as per instruction of the Engineer-in-charge. It shall be of required shade as per offered by the Engineer-in-charge.

PROCUREMENT OF MATERIALS:

Materials to be used in this work shall be enough procured on site to maintain the progress of work. The materials required for the daily work shall be used by the agency in presence of Government representative. No advance payment shall be made for the procured materials.

WORKMANSHIP:

Where scaffolding is required it shall be erected in such a way that as far as possible no part of scaffolding, shall rest against surface to be painted. A properly secured strong and well-tied suspended platform (Zoola) may be used for painting. Where ladders are used places of old gunny bags shall be tied at top and bottom to prevent scratches to the walls and floors, for painting to ceiling proper stage scaffolding shall be erected where necessary and the floor area should be covered with plastic so that the flooring is not spoil.

Preparation of surface:

The surface shall be thoroughly cleaned of all dust dirt mortar dropping and other foreign matter before paint applied

The surface spoil by smoke root shall be scrapped with steel brushes of steel scrappers or shall be rubbed with over burnt surkhi or brickbats. The surface shall be then broomed to remove all dirt, dust and shall be washed with clean water.

Oil and grease spot shall be removed by suitable chemical, smooth surfaces shall be rubbed with wire brushed.

All unsound portion of the surface plaster shall be removed to full depth or plaster in rectangular and pasted again after racking the masonry. Such portion shall be wetted and allowed to dry. Any crevices at any level shall be cleaned and filled with the plaster mortar an curved as above. The shall be give one coat of paint.

All unnecessary nails shall be removed the holes, cracks etc. shall be made good with materials similar in composition to be prepared. Birla white putty and Primer shall be used for the leveling the surface and satisfaction of Engineer-in-charge.

Preparation and applicant of paint

Apply two coats of finish paint by thinning 1 Ltr. of paint with 400 Ml. Of water (i.e. and 8 Ltr. of water to 20 Ltr. drum of 100% Acrylic paint in case of newly plasters surface application of priming coat with 100%. A gap of four hours should be given between two subsequent coats. Horizontal surface like the top evening and parapets shall be an extra coat for greater protection. As the furnish paint required : 2-3 days of complete hard, dry a sharp immediately after painting wall effect felon built up necessary recoat.

Precaution:

Do not over thin paint stair wall and strain before use the paint. Do not use any universal strainers or any other colour ants. Wear protective clothing like gloves one gaggle.

The finished surface shall be even and uniform shade without patches brush mortar paint drops etc.

Protection measure shall be taken as per instructions of the Engineer-in-charge.

The surface of doors, windows, ventilators, floor articles of the furniture exposed concrete surface etc. and such other part of building which are painted shall be protected from being a splashed upon. Such surface shall be cleaned of paint splashes of any.

Mode of measurement and payment :

The rates shall be for a Unit of One Square Meter.

Item No. 33

Providing and fixing flush door shutters, solid core construction with frame of first class hardwood with cross board and face veneer or plywood face panels, including anodised aluminium butt hinges with necessary screws. (B) Non-decorative type and block board core anodised aluminium butt hinges in flush door shutters (2) 35 mm thick.

Specification shall conform to Item No.10.30, P. No. 63 of General Technical Specification Booklet for Building works.

Anodized Allu. Door Frame of 35mm x 35mm x 4mm shall conform to M-31 Page No.10 and Flush Door shutter shall conform to M-30, Pg. 10 of general technical specification booklet.

T.W. moulded batten shall conform to M-29, P. 9 of G.T.S. Book.

Work shall be carried out as per instruction of Engineer-in-charge.

Material shall be approved prior to execution of work.

Rate shall be for a unit of one Smt.

Item No. 34

Providing and fixing pre-cast Rubber Dye/steel dye inter locking concrete block 60mm thick with grade of concrete M30 pneumatic compressed/vibrated by mechanically pressed and as per approved design conforming to IS 15658 : 2006 including 35mm 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.

Material :-

Pre-cast Rubber Dye/Steel dye inter locking concrete block 60mm thick with grade of concrete M30 compressed/Vibrated mechanically and as per approved design conforming to IS 15658:2006 shall be

used. Sand shall confirm to General Technical Specifications for Building works I. No. M6.

Workmanship :-

Work of sand layer shall be carried out as per General Technical Specifications for Building works I. No. 4.24. Testing of the block shall be carried out in laboratory as per IS 15658:2006. The work shall be carried out in true line and level as per guidelines of IRC : SP 63-2018 and as directed by Engineer-in-charge.

Mode of Measurement and Payments :-

The rate shall inclusive of the cost of all materials, tools, plants, and labour etc. required for satisfactory completion of item.

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

Item No.35

Removing and refixing of existing interlocking concrete block including replacing damaged block by pre-cast Rubber Dye interlocking concrete block 60 mm thick with grade of concrete M300 pneumatic compressed by mechanically pressed and as per approved design including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level etc complete.

Materials :-

Water shall confirm to M-1 sand shall confirm to M-6, pre-cast Rubber Dye inter locking concrete paver block 60mm thick with grade of M300 pneumatic compressed by mechanically pressed and as per approved design & shape.

Workmanship :-

Sub grade shall be cleaned, leveled, wetted and rammed as directed. Bedding shall be of 35mm thick layer of dry sand shall be spread over paving area. Re fixing existing paver block shall be laid in different pattern/design and replacing damaged block by new block as shown in the drawing or as directed by engineer-in-charge as directed on top, pressed, tapped gently to bring it in line and level and inter lock with each-other. The joint shall be as fine as possible. The finished surface shall be true to levels and slopes as directed. Necessary testing of blocks is to be carried out.

MODE OF MEASUREMENT AND PAYMENT :-

The rate shall include the cost of all materials and labour involved in all the operations described above. The paver block flooring shall be measured in square meter.

Item No. 36

Repairing to Door / Window including dissembling from frame, wroughting, providing patti, angles, replacing / repairing stoppers - aldrops - handles etc. for proper fixing in to frame hole etc. complete for smooth operation and proper utilization including assambeling and refixing of the same as directed by Engineer-in-charge.

For Frames refer materials specification M-22 page no.8 same section shall be of same size shall be used. As per present condition. The box type hinges pivoted hinges shall be used. Necessary handle latches shall be provided as directed by engineer in charge for repairing and welding General specification for I.No.12.11, 12.12 shall be followed. Necessary scaffolding shall be provided by

contractor. The rate including of all materials required for repairing windows scaffolding welding charges etc. complete.

The rates shall be for a unit of smt. basis.

Item No.37

Repairing of R.C.C member by removing and scraping of old deteriorated plaster of any thickness from r.c.c. member and clearing the surface and then applying anti rust chemical treatment to reinforcement and apply neat cement slurry. After that apply double coat cement plaster consist of first coat 15mm having 1:3(cement:sand) proportion and final coat 10mm 1:3 proportion as per directed by engineer incharge.

Materials :-

1.1 Anti-rust chemical shall be used of approved make and quality.

1.2 Specification for Item no. M-6, M-3, M-1, Pg.3 and 4 sand, cement, water shall be followed as per GTS Book Material specification.

Workmanship :-

2.1 Spawled concrete chiseled scrapped cleaned with wire brush, removing all loose particles and making patch in one line of any shape.

2.2 Applying rust remover to corroded steel bars. Applying cement slurry with SBR Chemical solution. Applying polymer modified cement mortar plaster of 1:3 (1 cement : 3 sand) mixing 5 Ltr. SBR Mortar Bonding Chemical in proportion of 5 Ltr. Per 50 Kg. of cement in mortar preparation.

2.3 Applying mortar in patch of concrete surface in two layers where thickness exceed 25 mm using 10mm / 6mm down size aggregate (grit) may be required. Finished the surface to match with the existing adjoining surface. Curing etc. complete.

2.4 Remaining specification shall be followed as per plastering work specification of G.T.S. Booklet Item no. 17.58(I), Pg. 104 except work shall be carried out for avg. 25 mm thick plastering work instead of 10mm thick. Work shall be measured in Square Meter basis.

MODE OF MEASUREMENT AND PAYMENT :-

3.1 The Rate shall be made on a unit of one square meter.

Item No. 38

Providing and fixing Door closers (Heavy type of 765 number) Hardwire or Everite Prabhat or Equivalent. with necessary screws etc. complete.

The Door Closers shall be of Best quality and make. It shall be hard win or ever its make or as approved by the Engineer-in-charge. The door closer shall be heavy type of 65 number and best in the workmanship. It shall be conform to I.S. 208-1972. It shall be maeasured in No. and rate shall be for a one no. of door closer.

Item No.39

Providing and fixing heavy duty chromium plated jet spray of standard make.

The chromium jet shall be approved make and it shall be best quality got approved from engineer-in-charge. The joints shall be made leak proof by using necessary from white zink.

The rates shall be for a unit of one number of basis.

Item No.40

Providing and Fixing Machine cut, free edges, machine polished Granite stone slab 18 mm thick (single piece not more than 150 cm) for Doors/Windows sill and Jambs cladding as per design including full molded round front edge and 1 cm nosing and laid on 20 mm thick cement mortar 1:6 (1 cement:6 coarse sand) jointed with grey cement slurry including rubbing and polishing finishing etc complete.

Granite shall be of approved colour and quality. The stone shall be hard, even sound and regular in shape and generally uniform in colour. It shall be without any soft veins, cracks or flaws

The thickness of the stone shall be specified in item no.14.43 pg. no.86.

All exposed faces shall be double polished to tender truly smooth and even reflecting surface. exposed edges and corners shall be rounded off as directed The exposed edges shall be machine cut and shall have uniform thickness.

Item No.41

Providing and fixing fibre reinforced concrete cover with frame size 610 mm x 610 mm and 610 mm x 455 mm etc. complete.

The Fiber reinforced concrete cover shall be approved make and it shall be best quality got approved from Engineer-In-Charge. Fiber concrete cover 610x610mmx610mm And 610mm x 455mm size required as per site condition.

The fixing shall be using necessary material etc. complete.

The rates shall be for a unit of one number of basis.

Item No.42

Providing julla Structure for height up to 4th storey building with labour and all arrangement for outside repairing work etc. directed by engineer in charge.

Materials :-

Jula Structure of MS Pipes with all necessary accessories.

Workmanship :-

Jula Structure of MS pipes for 4th Story Building height.

Pipes shall be fixed with necessary accessories, bolts, places, etc. and having proper way. Work shall be carried out as per the instruction of Engineer-In-Charge. Rate are inclusive of all types of labour, carting, fixing, transporting, taxes, etc.

Rate shall be for a unit of one Day.

**Dated Sing. the
Contractor.**

**Deputy Executive Engineer
Engineering College Sub Division
Ahmedabad.**

**Executive Engineer
Navrangpura (R&B) Division
Ahmedabad**