

**SCHEDULE OF SPECIFICATIONS AND QUANTITIES OF**  
**SANITARY , PLUMBING AND SEWERAGE WORKS FOR ZONAL OFFICE, SALT LAKE OF UCO BANK**  
**AT BIDYUT BHAWAN ,KARUNAMOYEE IN SALT LAKE, KOLKATA**

**CIVIL,**

| Sl.No    | DESCRIPTION   | Unit | Total | Rate | Amount |
|----------|---|------|-------|------|--------|
| <b>A</b> | <b>CIVIL WORKS</b>  |      |       |      |        |
| <b>1</b> | <b>ROLLING SHUTTERS</b>   |      |       |      |        |
|          | Providing and fixing rolling shutters of M.S. sheets of 18 gauge. On the top of the system there will be guide on both sides Sq. bar of 20mm x 20mm is fixed with it and the a clamp 'U'shaped is rolled on it . One no. M.S. pipe fixed over the clamp and a spring is attached with it . The whole system is covered by M.S. sheet. There are both way clips to be attached two consecutive M.S. curved sheets. Pulleys on heavy type solid drawn seamless steel tube complete with locking arrangements both inside and outside specially builtup side guide channels including providing a hood for the steel rolling shutter At the bottom of the shutters there is a 12 gauge M.S. sheets of 6" high for locking arrangements with lock plate and an angle of 40mm x 40mm x6mm is fitted with it .All these arrangement to be done including 2 coats of synthetic enamel paint with one coat of synthetic primer on both sides . The job to be completed as per approval of the Architect | sqm  | 15    |      |        |
| <b>2</b> | <b>FLOORING</b>   |      |       |      |        |
| <b>a</b> | <b>Vitrified Flooring</b>   |      |       |      |        |
|          | Providing and laying mirror polished vitrified tiles 2 ' x 2 ' of approved quality ( NITCO or approved equivalent) and shade in flooring over a bed of 30mm thick Cement mortar 1:4 (1 cement : 4 coarse sand), laid to patterns including necessary cutting, mitring, grouting of joints finished with pigment to match the shade, complete as per detailed drawings. The rate should include protection coat of POP over polythene till handing over. ( <b>Basic Rate of Tile Rs. 90/- per sft.</b> )   | sqm  | 180   |      |        |
| <b>b</b> | <b>Vitrified Skirting</b>   |      |       |      |        |
|          | Providing and laying mirror polished vitrified tiles of approved quality (Kajaria or approved equivalent) and shade, in dado, skirting (6"), etc..over a bed of 25-30mm thick Cement mortar 1:3 (1 cement : 3 coarse sand) / adhesives, laid to patterns including necessary cutting, mitring, grouting of joints white antifungal grout etc., complete as per detailed drawings.   | rm   | 40    |      |        |
| <b>3</b> | <b>P.C.C IN FLOORING</b>  |      |       |      |        |
|          | Providing and laying in position cement concrete 40mm Thick finished with cement sulary including necessary form work, machine mixing, consolidation, finishing, curing etc. in all works at all depth / height & levels. Complete as per specifications, drawings and as directed :The mix proportion shall be by volume.  |      |       |      |        |
|          | 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 12.5 mm nominal size) ) with water proofing compound.  | cum  | 7     |      |        |
| <b>4</b> | <b>CEMENT PLASTER ( IN COARSE SAND )</b>  |      |       |      |        |
|          | 15 mm Cement plaster in Toilets on rough side of single or half brick wall of mix 1:4 (1 Cement : 4 Coarse sand)  | sqm  | 60    |      |        |
| <b>5</b> | <b>WATERPROOFING IN TOILETS</b>   |      |       |      |        |

|    |  |     |        |  |  |
|----|--|-----|--------|--|--|
|    | Providing and laying water proofing treatment in sunken portion of WCs bath room etc.,by applying cement slurry mixed with Armourcrete of M/s The Structural Water Proofing Company Pvt. Ltd., or Tapecrete of M/s CICO Engg. Services consisting of applying : (a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with Armourcrete or Tapecrete @ 0.253 kg/sqm. (b) laying second layer of Fibre glass cloth manufactured by M/s The Structural Water Proofing Company Pvt. Ltd. when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. (c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with Armourcrete or Tapecrete @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours.The entire treatment will be taken upto 30cm on sidewall. The rate is inclusive of dismantling of toilet floor tiles & clearing off the debri at ground floor level and shifting out side by mechanical transport to the nearest authorised dumping station, complete | sqm | 15     |  |  |
| 6  | <b>TOILET WALL TILES</b>   |     |        |  |  |
| a  | Providing & fixing of Wall Tiles of Kajaria/Johnson with designer series tiles or approved equivalent make on to the walls including base cement plaster of 1:4 ratio (1 cement : 4 fine sand) in proper line and plumb, fixing of tiles with neat cement slurry, filling the tiles joints with matching colour tile grouting material as per detail drawings/ Architects instructions at site complete. <b>UPTO 7'-00" HEIGHT IN TOILET (BASIC COST OF TILE RS 80/- PER SQ.FT.)</b>   | sqm | 130    |  |  |
| b  | Providing and laying flooring and skirting in toilets with Vitrified tile of approved quality with pattern as per drawings laid over 20mm thick chemical gue, jointed with white cement slurry mixed with pigment to match the shade of slab including edge chamfering, surfaces pointing & polishing, etc. complete as per specification & drawing. ( <b>BASIC COST OF TILE RS.80/- PER SQ.FT.)</b>   | sqm | 30     |  |  |
| 7  | <b>BRICKWORK</b>   |     |        |  |  |
|    | Providing and erecting 4.5" thk,Single brick wall (first class bricks) in cement and Coarse Sand mortar 1:3 with flush joint complete with material, labour, scaffolding, curing etc. The rate to include 12SWG wire mesh at every 3rd layer .   | sqm | 100    |  |  |
| 8  | <b>PLASTER</b>   |     |        |  |  |
|    | Providing and applying 1:4 cement plaster with waterproofing compound to brick work in single coat of avg 3/4 " thick finished to receive plaster of paris levelling coat.   | sqm | 80     |  |  |
| 9  | <b>DISMANTLING WORKS</b>   |     |        |  |  |
|    | Dismantling the present brickwork in toilets, police guard room and clearing off the debris at ground floor level and shifting outside by mechanical transport to the nearest authorised dumping station, complete in all respects ---   | sqm | 150    |  |  |
| 10 | <b>PAINTING WORKS</b>  |     |        |  |  |
| a  | Priming one coat with synthetic enamel primer, including smoothening the surface with sand paper prior to primer work. to all <b>steel Surfaces ( window work )</b>  | sqm | 55.00  |  |  |
| b. | Painting with best quality synthetic enamel paint of approved brand on <b>steel surfaces—2coats.( window work )</b>  | sqm | 55.00  |  |  |
| c  | Painting with pigments of any shade of approve quality and brand with one coat of primer and 2 coat of colour wash including cleaning and smoothening surface thoroughly over <b>external surfaces - Berger Weathercoat.</b>   | sqm | 200.00 |  |  |

|          |  |     |        |  |  |
|----------|--|-----|--------|--|--|
| d        | Supplying and providing <b>putty</b> to interior surface including ceiling and walls with a coat of solvent best acrylic one coat of <b>primer</b> including cleaning ,washing and smoothening the surface.  | sqm | 300.00 |  |  |
| e        | Applying Interior grade <b>Acrylic emulsion paint</b> of approved quality and brand on plastered or concrete surface with two coats of paint complete as per manufacturer's specification and as per direction of the EIC. both for walls and ceilings   | sqm | 300.00 |  |  |
| 11       | <b>SHED AT THE FRONT PORTION - ENTRANCE AND GLASS PORTION .( this is required as there is no shed at the entrance .Rain water will fall on the glass and may go inside at the entrance zone , if there is no shed.)</b>  |     |        |  |  |
|          | Supplying, fitting and fixing Aluminium Composite panel sheet at the top, sides and undersurface with 40mm x 40 mm M.S hollow frames ,vertical and horizontal ,with proper bracings also , which are to be fixed on the walls with all fittings and fixtures .All the joints of the sheet to be rubberised. The width and height of the box to be at least 600 mm at the front glass portion and 1550 mm width at the entrance . The job includes all scaffolding works , making and dismantling at the end of the work  | sqm | 48     |  |  |
| 12       | <b>Exhaust opening</b>   |     |        |  |  |
|          | Cutting on the external wall - 10" dia for exhaust opening purpose in pantry, 3 toilets and finishing the surface with cement plaster . Rate to include all necessary scaffoldings , tools and tackles.  | nos | 3      |  |  |
| 13       | <b>RCC REPAIR WORKS FOR THE CEILING OF PRESENT POLICE GUARD ROOM AND OTHER CEILING AREAS IN TOILET ( old rods are exposed and RCC chunks are falling down )</b>  |     |        |  |  |
|          | Providing and applying RCC ( M25) with 1/4" chips with chicken wire mesh tied to the old rod and chemical based liquid for joining old concrete with new concrete, including all scaffoldings and staging works , tools and tackles, etc.The repaired surface is to be plastered with 1: 3 cement sand ratio.  | sqm | 15     |  |  |
| 14       | <b>ANTITERMITE TREATMENT</b>   |     |        |  |  |
|          | Anti-termite treatment to the junction of wood work and masonry walls with chemical emulsion by admixing chloropyrofos emulsifiable concentrates (1% concentration) with water by weight including spraying at the points of contact with the adjoining masonry by drilling 6m. dia holes at a downward angle of about 45 degree at the junction of woodwork and masonry and squirting chemical emulsion into these holes at the rate of half litre per hole. The entire work is to be carried out as per specification of Code I.S.-6313 (Part-III)-1981. The shutters are to be sprayed with emulsion. on both sides. All wooden fixtures like almirahs, racks etc. are also to be thoroughly sprayed with chemical emulsion. (Payment will be made on the basis of outside measurements of doors and windows) | sqm | 350    |  |  |
|          | <b>TOTAL CIVIL WORKS</b>   |     |        |  |  |
| <b>B</b> | <b>SANITARY WORKS</b>  |     |        |  |  |

|    |  |      |   |  |  |
|----|--|------|---|--|--|
| 1  | Providing and fixing vitreous china wall hung type European Water Closet with C.P. bolts, nuts C.I. chair or other hanging arrangement, solid black plastic seat with lid C.P brass hinged and rubber buffers, 32mm dia flush pipe (G.I. of medium class), including supply and fixing of PVC cistern of 80 lts / 100 lts capacity | Each | 3 |  |  |
| 2  | Providing & fixing vitreous wash basin complete with 32mm C.P.cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waste connection - 630 x 450   | Each | 3 |  |  |
| 3  | Providing and fixing vitreous china corner wash basin complete with 32mm C.P. Cast brass bottle trap and connection pipe to wall with C.P. wall flange and rubber adopter for waster connection  | Each | 3 |  |  |
| 4  | Providing and fixing 15mm C.P brass bib tap with C.P brass threaded flange complete, including cutting and making good the walls wherever required. Pillar Cock suitable for Wash Basin  | Each | 6 |  |  |
| 5  | Providing and fixing vitreous china large flat back Urinal Basin , 15 mm dia C.P. spreader pipe, 32 mm C.P. brass waste with domical grating, 32 mm C.P brass bottle trap and unions complete, cast iron hangers for support, including cutting and making good the walls wherever required. -- 635 x 395 x 420                    | Each | 3 |  |  |
| 6  | Providing and fixing 12 mm thk toughened frosted glass urinal partition of 690x85x325mm app. size, fixed with SS brackets brass bolts and washers.12 mm Thk. Toughened frosted - Edge Moulded  | Each | 2 |  |  |
| 7  | Providing, installing urinal flushing system, including cutting and making good the walls complete with all necessary fittings to make it operational as required  | each | 3 |  |  |
| 8  | Providing and fixing 15mm C.P.brass angle valve with C.P copper connecting pipe 375mm long and nuts, washer with C.P. brass flange complete, including cutting and making good the walls, wherever required.   | Each | 6 |  |  |
| 9  | Providing and fixing hand drier of best quality, to be operated with 230 volts, single phase, with fully hygienic condition, with all accessories including cutting and making good the walls, wherever required. (Kopal Model- 20 R or approved equiv)  | Each | 2 |  |  |
| 10 | Providing and fixing tissue dispenser complete including cutting and making good the walls wherever required.  | Each | 3 |  |  |
| 11 | Providing and fixing ABS body 0.5litre liquid soap dispenser with simple push lever fitted with liquid soap (one time) including cutting and making good the walls, wherever required.   | Each | 3 |  |  |
| 12 | Providing and fixing C.P. brass towel rail fixed to wooden cleats with C.P. brass screws including cutting and making good the walls wherever required. (Size 600 mm long )  | Each | 5 |  |  |
| 13 | Providing and fixing C.P cast brass twin coat hook fixed to wooden cleats with C.P. brass screws. KUBIX of JAQUAR  | Each | 5 |  |  |
| 14 | Providing and fixing C.P brass airpurifier container, fixed to wooden cleats with C.P brass screws, complete including cutting and making good the walls wherever required.  | Each | 5 |  |  |
| 15 | Providing and fixing Health faucet stainless steel with Flexible Tube with wall hook   | Each | 3 |  |  |
| 16 | Providing and fixing Toilet Paper holder in Toilets complete as per drawing vendors specification  | Each | 3 |  |  |

|          |  |      |     |  |  |
|----------|--|------|-----|--|--|
| 17       | Providing and fixing concealed stop cock 15mm  | Each | 4   |  |  |
| 18       | Providing and fixing C.P. Jaali  |      |     |  |  |
| a        | 100 mm Dia   | Each | 2   |  |  |
| b        | 75 mm Dia  | Each | 2   |  |  |
|          | <b>TOTAL SANITARY WORKS</b>  |      |     |  |  |
| <b>C</b> | <b>PLUMBING AND SEWERAGE WORKS</b>   |      |     |  |  |
| 1        | Providing and fixing Chloronated Polyvinyl Chloride (CPVC) Pipes, having thermal stability for hot & Cold water supply, including all CPVC plain & brass threaded fitting i/n fixing the pipe with clamps at 1.00 M spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting and making good the same including testing of joints complete as per direction of Engineer in Charge. (CONCEALED WORK: including cutting chases and making good the same walls etc. complete |      |     |  |  |
| a        | <b>15.00 mm nominal outer dia.</b>   | rft  | 95  |  |  |
| b        | <b>20.00 mm nominal outer dia</b>  | rft  | 125 |  |  |
| 2        | Providing & fixing UPVC soil, waste, vent pipework comprising UPVC pipe conforming to IS :4985-1983 and of required class as specified below and fittings (moulded as well as fabricated) like elbows, bends, reducers, threaded tail pieces, caps and other specials. jointing with cement solvent, chasing, cutting and making good the walls, complete in all respects including testing of complete installation.  |      |     |  |  |
| a        | 50mm dia   | rft  | 25  |  |  |
| b        | 75 mm dia  | rft  | 30  |  |  |
| c        | 100 mm dia   | rft  | 25  |  |  |
| 3        | Providing & fixing UPVC deep seal P or S trap of self cleansing design with or without vent arm with provision for connecting G.I.inlet fitting complete including cost of cutting and making good the walls and floors wherever required.   |      |     |  |  |
| a        | For 100 mm inlet and 100 mm outlet.  | Each | 3   |  |  |
| 4        | Providing and fixing cast brass Clean Out / Floor Clean Out plug with suitable insert keys for opening, male threaded joint with G.I. socket lead caulked to soil pipe / waste pipe of C.I. and C.I.(LA) pipe as required complete   |      |     |  |  |
| a        | 100 mm dia   | nos  | 4   |  |  |
| b        | 150 mm dia   | nos  | 4   |  |  |
| 5        | Providing & fixing 6 mm thick looking mirror of Modi, Atul or approved equivalent make. The mirror will be fixed on 3/4" dia SS finish stud, all complete as per instructions at site.   | nos  | 3   |  |  |
|          | <b>TOTAL PLUMBING AND SEWERAGE WORKS</b>   |      |     |  |  |
|          | <b>GRAND TOTAL FOR CIVIL, SANITARY , PLUMBING AND SEWERAGE WORKS</b>   |      |     |  |  |















