

Name of work: S.R. to E1 & E2 Judicial Officers' quarter at Bodakdev, Ahmedabad. [Applying Painting, Plumbing work and misc civil work in Block "A-101", "A-301", "B-301", "B-501", "B-401", "C-301", "C-401", "C-501" and other quaters at Judicial Officers' quarter at Bodakdev, Ahmedabad.]

SPECIFICATIONS

Item No. 1

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

Relevant specification shall be followed of General Technical Specification booklet It. No. 20.001 / Page No.151 in General Technical Specifications for building work.

Item No. 2

Dismantling doors and window, ventilation etc. (wood or steel) shutters including chowkhatas architraves, holdfast, and other attachment etc. complete and stacking them within all lead and lift (I) not exceeding 3 sq.mt. in area.

Relevant specification shall be followed of General Technical Specification booklet It. No. 20.49 (I) / Page No. 150 in General Technical Specifications for building work.

Item No. 3

Wall painting three coats of plastic emulation paint [In addition to two coats of Lappy-Putty + two coats of primer] of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foregine matter and sand papered smooth.

1.0. Material:

1.1. Emulation paint of Nerolac (Impression Ultra HD or Pearls luster finish), Asian (Royal luxury or Royal health shield) or Dulux (Ambiance Velvet touch

category) Brand or as approved by Concern I.A.S. or Authority. Paints without test certificates or expired paints shall not be accepted.

1.2. All Lappy (Putty), Primer, paints and paint constituents to be used for the work shall be delivered to the work area in original sealed containers, bearing manufacturer's labels, batch No., date of manufacture etc.

1.3. Constituent adhesives such as thinner, driers etc. shall be those recommended by the paint manufacturer.

1.4. Acrylic base Putty and Lappy shall be good quality & approved brand of Asian or Birla or as approved by District Court Authority.

1.5. Acrylic base primer shall be good quality & approved brand of Asian (Decoprime), Dulux (Promise or Smoothover) or Nerolac (Goody Universal primer SB) or as approved by Concern I.A.S. or Authority.

1.6. Original Paint Manufacturer support letter for this tender for paint work to be submitted as per Make of this tender.

1.7. WARRANTY: Paint material & workmanship have a warranty of 3 Years against any defect & worthless workmanship covering for all kinds of finishes. The defective & worthless work shall be rectifying by own cost of agency till warranty. No any extra cost shall be paid by department & no any extra cost claim for rectification work done by agency.

2.0. Scaffolding

2.1. Where scaffolding is required, it shall be erected in such a way that as far as possible no part of scaffolding shall rest against the surface to be paint. A properly secured strong and well tied suspended platform (Joola/Jhula) may be used for Lappy-Putty, Primer and Paint. Where ladders are used, pieces of old gunny bags shall be tied at top and cotton to prevent scratches to the walls and floors. For Lappy-Putty, Primer and Paint to ceiling, proper stage scaffolding shall be erected where necessary.

3.0. Workmanship

3.1. The existing painted surface should be cleaned thoroughly by using scrapers, wire brushes, emery paper, buffing wheels etc., thus making it free from all oil & grease, loose particles, rust, dust etc. to receive the finish coat.

3.2. Surfaces shall be thoroughly cleaned to remove any dust, oil & grease with suitable cleaning agent followed by rinsing with clean water. Damaged painted areas shall be scrubbed thoroughly to achieve a clean surface. Pits / abrupt undulations shall be filled with compatible putty wherever required.

3.3. Scraping of paint from existing wall and ceiling surface as per specification shall be followed of General Technical Specification booklet It. No. 20.00 / Page No.151.

3.4. All unnecessary nails shall be removed. Pitting in plaster shall be made good with plaster of paris mixed with dry Lappy (Putty) of colour to be used. The surface shall then be rubbed down again with fine grade sand paper and made smooth.

3.5. The Dr. fixit brand chemical shall be using for filling the crack in plaster & joint should be even in look. Crack filling work with applying standard chemical material including scrubbing wall, scraping hair crack and cold joint crack of internal or external wall and filling chemical material as per instruction of engineer in charge. Crack should be filled up & plaster should be joint & does not affected by any weather condition.

3.6. All materials not in current use shall be kept properly protected lids of containers shall be kept in closed and surface of the Acrylic lappy putty in open or partially open containers covered with a clean water to prevent formation of skin.

3.7. The Acrylic lappy putty which have become heap or flat due to improper and long storage shall not be used.

3.8. A coat of Lappy (Putty) shall be applies over the patches. The surface shall be allowed to dry thoroughly before the regular coat of Lappy (Putty) is allowed. The surface affected by moulds, moss, fungi algae lichens, efflorescence etc. shall be treated in accordance with I.S. 2395 (Part – I) 1966. Before applying Lappy (Putty), any unevenness shall be made good by applying putty made of plaster of paris mixed with water on entire surface including filling up the undulation and then sand papering the same after it is dry.

3.9. A priming coat of Lappy (Putty) and primer of approved as per above item description manufacture and shade shall be applied over the papered surface in case of new wall / existing wall on undecorated surface. If the Lappy (Putty) priming is

done after the wall surface dries completely and then after the primer shall be applied.

3.10. The Lappy (Putty) shall be diluted with water or any other prescribed thinner in a manner recommended by the manufacture only. Sufficient quantity of Lappy (Putty) required for a day's work shall be prepared.

3.11. For undecorated surfaces, shall be lightly sand papered to make it smooth for receiving the Lappy (Putty), taking care not to rub out the priming coat. All loose particles shall be dusted off after rubbing. Minimum two coats of Lappy (Putty) shall be applied with steel plates in horizontal strokes followed immediately by vertical strokes which together shall constitute one coat. The subsequent coats shall be applied after a time interval of at least 24 hours between consecutive coats to permit proper drying of the proceeding coat. The finished surface shall be even and uniform without patches, steel plates, Lappy (Putty) droops etc.

3.12. Sufficient quantity of Lappy (Putty) shall be mixed to finish one room at a time. The application of a coat in each room shall be finished in one operation and no work shall be started in any room which cannot be completed on the same day.

3.13. The primer shall be applied with a brush or roller on the clean dry and smooth surface. Horizontal strokes shall be given first and vertical strokes shall be applied immediately afterwards. This entire operation will constitute one coat. The surface shall be finished as uniformly as possible leaving no brush / roller mark. It shall be allowed to dry for at least 48 hours before paint.

3.14. It shall be scraped thoroughly with hand scraper. This shall then be wiped finally with mineral turpentine to remove grease and perspiration of hand marks etc. and allow drying. The surface shall be made even and smooth as directed Engineer in charge.

3.15. If efflorescence appears, painting shall be deferred until it ceases. Efflorescence shall be removed by drying brushing; in no case the efflorescence salts shall be removed by washing.

3.16. Then wall and ceiling shall be rubbing by course and paper as directed by Engineer in charge. Surface shall be wiped by clean cotton cloths. Then apply second coat of Aisan or Birla Lappy by steel plates and making wall and ceiling in line and level. After dry Asian or Birla Lappy apply rubbing by sand paper as per instruction

of Engineer in charge. Surface shall be wiped by clean cloths free from any foreign matter projecting fiber shall be removed and left for dry.

3.17. Walls, floors & ceiling and adjacent electrical fittings and switch board shall be satisfactorily protected by drop clothes. Other precautionary measures should be taken during spray / brush painting to ensure that surrounding area /equipment is not affected. The masking material wherever necessary shall be used in sufficient quantities to avoid falling of paint on unwanted surfaces. Safety gears to be used by personnel like respirator, face mask, hand gloves, protective clothing etc.

3.18. The application should be as per manufacturer's instructions / specifications. Before opening the packed drum, it should be rolled on the floor and after opening the drum paints shall be stirred well so that no material/ pigments remain settled at the bottom. Suitably the paint shall be checked as per requirement before opening.

3.19. The choice of method of application i.e. by brush or by roller or by spray gun will be decided by the Engineer in charge. However, adjacent equipment / electric element / structures shall be suitably protected and care shall be taken to prevent intoxication of the surrounding area. The method of paint application depending upon the area shall be jointly discussed and decided with Engineer in charge. Paint thickness (DFT) shall be as per the manufacturer's specification. In case the dry film thickness of finish paint is observed less than the specified values, additional coat shall have to be applied free of charge.

3.20. No paint shall be applied until the authorized inspection has ascertained that all prepared surfaces are satisfactorily cleaned and are in a condition to ensure the proper receipt of and adhesion of the coating.

3.21. The all gauges, instruments and the necessary measuring equipment's required for inspecting the work, test pieces, samples etc. at site shall be furnishing by contractor.

3.22. The work of "Paint on internal walls / ceiling etc. at any floor level of building" demands highest degree of quality and reliability standards. In line with this requirement the contractor should have documented quality assurance system to assure the quality of work at all stages viz. procurement, inspection, testing, handling and shipment, storage, cleaning, application and safety. The contractor shall have a dedicated group of experienced and qualified inspection engineers and inspectors

responsible for assuring quality assurance and quality surveillance at their works, their suppliers / vendors and at site.

3.23. 15 mm Double bristled brush or Roller shall be used. After a day's work, brushes shall be thoroughly washed in hot water with soap solution and hung down to dry. Old brushes which are dirty and caked with paint not be used on the work.

3.24. The interior paint shall be of standard approved make of Nerolac (Impression Ultra HD or Pearls luster finish), Asian (Royal luxury or Royal health shield) or Dulux (Ambiance Velvet touch category) Brand or as approved by District Court Authority. Paints without test certificates or expired paints shall not be accepted. The sample card shall be brought for selection of Hon'ble Judge or authority and the several samples as selected shall be applied for final selection. There may be combination of the paint shed to be applied on the walls. The work shall be carried out after final cleaning & washing of the surface of application to make it total dust free. The work shall be carried out through skilled painter to provide even uniform shade throughout the interior surface. The application of second coat shall be applied after proper drying of first coat. If the work is not found proper after second coat, agency shall have to apply the coat up to the satisfaction of the work at his own cost. The inside work shall be carried out through proper scaffolding work as per para this item para no. 2. The application area shall be covered at base with proper plastic spreading to avoid droppings of paint on floors etc. Such remains shall be cleaned thoroughly with appropriate solution on completion of the work. The rate shall include all the described activities to give final output as per satisfaction of the District Court authority.

3.25. The relevant specification of Item No.19.2 (A) / P No. 124 of GTS Booklet shall be followed for application of primer coat. Further additionally specification for primer coat shall be followed as per above.

3.26. For three coats of emulsion paint relevant specification of Item No. 18.57 P. No. 120 of GTS booklet shall be followed. Except Nerolac (Impression Ultra HD or Pearls luster finish), Asian (Royal luxury or Royal health shield) or Dulux (Ambiance Velvet touch category) Brand or as approved by District Court Authority shall be considered instead of normal emulsion paint.

4.0. Mode of Measurement & Payment:

4.1. Nerolac (Impression Ultra HD or Pearls luster finish), Asian (Royal luxury or Royal health shield) or Dulux (Ambiance Velvet touch category) interior emulsion paint, scraping of surface by stunk soot removal of oil and grease spots, treatment for infection of effloresces, mould, moss, fungi, algae and lichen and patch repairs to plaster shall be included in this item for which nothing extra shall be paid.

4.2. All the work shall be measured net in the decimal system as in place subject to the following limits unless otherwise stated here in after.

4.3. Dimensions shall be measured to the nearest 0.01 m.

4.4. Area in individual items shall be worked out to the nearest 0.01 Sqm. All work shall be measured in square meter. No deduction shall be made for ends of joints, beam, posts etc., and openings, not exceeding 0.5 Square meter each and no addition shall be made for reveals, jambs, soffits, sills etc. of these opening nor for finish around ends of joints, beams, posts etc.

4.5. Deductions of opening exceeding 0.5 Sqm. but not exceeding 3 Sqm. in each shall be made as follows and net addition shall be made for reveals, jambs, soffits etc. of these openings. (A) When both the face of wall is provided with same finish deductions shall be made on one face only. (B) When each face of wall is provided with different finish, deduction shall be made for that side of frame for doors, windows etc. on which width of reveals is less than that of the other side but no deduction shall be made on the other side. Where the width of reveals on the both the faces of walls are equal, deduction of 50% of area of opening of each face shall be made from area finish. (C) When only one face of wall is treated and the other face is not treated, full deduction shall be made if the width of reveal on treated side is less than that on untreated sides but if the width of the reveal is equal or more than that on untreated side neither deductions nor addition to be made for reveals, jambs, soffits, sills etc.

4.6. In case opening of area exceeding 3 Sqm. each, deduction shall be made for openings but jambs, sills and soffits shall be measured.

4.7. No deductions shall be made for attachments such as casing, conduits, pipes, electric wiring and the like.

4.8. Item includes removing nails, making good holes, cracks, patches with material similar in composition of Lappy-Putty.

4.9. The rates include cost of all materials, labours, scaffolding, protective measure etc. involved in all the operations described above. This shall also include conveyance, delivery, handing, unloading, storing work etc.

4.10. The payment shall be made on per Square Meter basis including Lappy (Putty), primer coat, paint material, scraping, labour and other required etc.

Item No. 4

All the steel should be thoroughly cleaned free of rust and painted with one coats of approved anti corrosive primer after fabrication but before erection. After erection the entire steel fabricated structure shall be painted with two coats enamel paint [One Coat Primer + Two Coats of enamel Paint] of approved shade by sprayer and finished to satin / matt finish. The coated rates shall include the cost of all materials, labour, tools, scaffolding, during the paint work all floors and walls shall be covered by plastic paper, cleaning the surface of all dirt, dust and other foreign matter.

1.0. Workmanship

1.1. Relevant specification shall be followed of General Technical Specification Building work booklet It. No. 19.11 + 19.15 / Page. No. 138 + 140. This work shall be carried out at any level. In this work rate is for with all lead and lift up to all floor.

2.0. Mode of measurements and payment:

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

2.2. The work shall be measured for the finished work.

Item No. 5

Applying One coats of Formulated with PU hybrid polymers and reinforcing acrylic fibres smart care Damp Proof Ultra of Asian Brand or as approved make by High Court Authority on existing wall surface to give protection from moisture content including all materials, scrubbing of surface, labour and equipment charges etc. complete as approved by High Court Authority and directed by Engineer in Charge.

1.0. Material:

1.1. PU hybrid polymers and reinforcing acrylic fibres smart care Damp Proof Ultra of Asian Brand approved by Engineer in charge.

2.0. Workmanship:

2.1. The detail specifications for this item shall be Applying One coats of Formulated with PU hybrid polymers and reinforcing acrylic fibres smart care Damp Proof Ultra of Asian Brand or as approved make by High Court Authority on existing wall surface to give protection from moisture content including all materials, scrubbing of surface, labour and equipment charges etc. complete as approved by High Court Authority and directed by Engineer in Charge.

3.0. Mode of measurements and payment:

3.1. The payment shall be made on basis of Sq meter.

Item No. 6

Providing and Fixing 50mm dia. " ZOLOTO " Brand Hex. type Bronze Gate Valve including fixing in pipe line with material & labour etc. complete as directed by E.I.C. & High Court Authority.

1.0. General:

1.1. This work shall consist of 50mm dia. " ZOLOTO " Brand Hex. Type Bronze Gate Valve for Water Supply line as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. 50mm dia. " ZOLOTO " Brand Hex. Type Bronze Gate Valve with G.I. Union of approved make or as approved by High Court Authority and as directed by Engineer in charge.

2.2. **WARRANTY:** All products have a warranty of 2 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship

3.1. Relevant specification shall be followed of General Technical Specification booklet It. No. 23.99 / Page. No. 171 of General technical specification for building

works. The forged brass ball valve shall be used instead of gun metal valve. Valves shall be heavy type of Zoloto brand approved by Engineer in charge. Valve shall be fixed with G.I. union on both sides easy to open for replacement purpose without any extra cost. This work shall be carried out in duct. In this work rate is for with all lead and lift to all floor. The contractor has to provide fixing of make and model as approved by High Court Authority of 50mm dia. " ZOLOTO " Brand Hex. Type Bronze Gate Valve with G.I. Union with necessary fittings, Teflon tap and other consumable and labor etc. complete 50 mm dia, the item pertains to providing and fixing 50mm dia. " ZOLOTO " Brand Hex. Type Bronze Gate Valve with G.I. Union of heavy-duty CP brass, of the specified diameter including necessary accessories. The 50mm dia. " ZOLOTO " Brand Hex. Type Bronze Gate Valve with G.I. Union shall be fixed into the pipe line with necessary sockets or union nut in places indicated on the drawing or as directed. Sun and safeda Teflon tape shall be used for complete watertight joint. If leakages observed on test, the joint shall be remade to make it leak proof. The item includes providing & fixing the 50mm dia. " ZOLOTO " Brand Hex. Type Bronze Gate Valve with G.I. Union of the specified diameter on desired location in centerline pattern on the tiles of wall or floors, with hex nipple, union, coupling & other consumable required to fix the item completely, the Dori, safeda, all necessary materials, plumbing labour and use of tools and minor civil work required to complete the item up to satisfaction of engineer in charge.

4.0. Mode of Measurement& payment

4.1. The mode of measurement payment shall be in unit of each number. The rate includes cost of all labour material, tools and plant etc. required for satisfactory completion of the complete item in all aspect up to satisfaction of engineer in charge.

Item No. 7

Providing and Fixing 32mm dia. " ZOLOTO " Brand Hex. type Bronze Gate Valve including fixing in pipe line with material & labour etc. complete as directed by E.I.C. & High Court Authority.

1.0. General

1.1. This work shall consist of 32mm dia. “ ZOLOTO ” Brand Hex. Type Bronze Gate Valve for Water Supply line as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. 32mm dia. “ ZOLOTO ” Brand Hex. Type Bronze Gate Valve with G.I. Union of approved make or as approved by High Court Authority and as directed by Engineer in charge.

2.2. WARRANTY: All products have a warranty of 2 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship

3.1. Relevant specification shall be followed of General Technical Specification booklet It. No. 23.99 / Page. No. 171 of General technical specification for building works. The forged brass ball valve shall be used instead of gun metal valve. Valves shall be heavy type of Zoloto brand approved by Engineer in charge. Valve shall be fixed with G.I. union on both sides easy to open for replacement purpose without any extra cost. This work shall be carried out in duct. In this work rate is for with all lead and lift up to all floor. The contractor has to provide fixing of make and model as approved by High Court Authority of 32mm dia. “ ZOLOTO ” Brand Hex. Type Bronze Gate Valve with G.I. Union with necessary fittings, Teflon tap and other consumable and labor etc. complete 40mm dia. the item pertains to providing and fixing 40mm dia. “ ZOLOTO ” Brand Hex. Type Bronze Gate Valve with G.I. Union of heavy-duty CP brass, of the specified diameter including necessary accessories. The 40mm dia. “ ZOLOTO ” Brand Hex. Type Bronze Gate Valve with G.I. Union shall be fixed into the pipe line with necessary sockets or union nut in places indicated on the drawing or as directed. Sun and safeda Teflon tape shall be used for complete watertight joint. If leakages observed on test, the joint shall be remade to make it leak proof. The item includes providing & fixing the 40mm dia. “ ZOLOTO ” Brand Hex. Type Bronze Gate Valve with G.I. Union of the specified diameter on desired location in centerline pattern on the tiles of wall or floors, with hex nipple, union, coupling & other consumable required to fix the item completely, the Dori, safeda, all necessary

materials, plumbing labour and use of tools and minor civil work required to complete the item up to satisfaction of engineer in charge.

4.0. Mode of Measurement & payment

4.1. The mode of measurement payment shall be in unit of one Number. The rate includes cost of all labour material, tools and plant etc. required for satisfactory completion of the complete item in all aspect up to satisfaction of engineer in charge.

Item No. 8

Removing & Refixing Pre - Cast Rubber Dry inter locking concrete block including 40mm sand bedding of coarse sand for levelling and filling the joint with sand in proper line and level, 10 cm cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) in bottom etc. complete, including equipment, tools and all labours as directions by Engineer - in - charge & High Court Authority.

1.0. Workmanship:

1.1. Relevant specification shall be followed of removing & refixing Pre - Cast Rubber Dry inter locking concrete block including 40mm sand bedding of coarse sand for levelling and filling the joint with sand in proper line and level, 10 cm cement concrete 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) in bottom etc. complete, including equipment, tools and all labours as directions by Engineer - in - charge & High Court Authority.

2.0. Mode of measurement and payment:

2.1. The payment shall be made on per Square Meter basis.

Item No. 9

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.

Relevant specification shall be followed of General Technical Specification booklet It. No. ~~10.12 (A) (1)~~ / Page No. ⁷²~~69~~ in General Technical Specifications for building work.
10.30

Item No. 10

Providing and fixing Jaquar brand Bottle Trap of Cat No ALD 769 with internal partition including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. General

1.1. This work shall consist of Bottle Trap for Wash Basin as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Bottle Trap shall be good quality & Jaquar brand Cat No. ALD-769 or as approved by High Court Authority & Directed by Engineer in Charge.

3.0. Workmanship

3.1. The detail specifications for this item shall be Providing and fixing Jaquar brand Bottle Trap of Cat No ALD 769 with internal partition including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

4.0. Mode of Measurement & payment

4.1. The complete finished job shall be measured in the unit of One Number. The payment should be made per Number including all material, tools, tackle, labour, adhesive, hardware, machinery, minor civil work etc. required to complete the job in all and every aspect. No extra payment shall be done for any lead, lift, transportation, scaffolding, shuttering or wastage of any material regarding this item.

4.2. The rates are included labour & material.

Item No. 11

Providing and fixing waste coupling 32mm size of Jaquar make Cat. No. ALD - 705L130 or as approved by High Court Authority with 130mm height connection joint pipe including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. General

1.1. This work shall consist of Click clack waste coupling 32mm size for Wash Basin as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Click clack waste coupling 32mm size shall be good quality & approved make with 130mm height or as approved by High Court Authority & Directed by Engineer in Charge.

2.2. **WARRANTY:** All products have a warranty of 7 Years against any manufacturing defect covering for all kinds of finishes including replacement warranty.

3.0. Workmanship

3.1. The detail specifications for this item shall be Providing and fixing Click clack waste coupling 32mm size of approved make with 130mm height including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

4.0. Mode of Measurement & payment

4.1. The complete finished job shall be measured in the unit of One Number. The payment should be made per Number including all material, tools, tackle, labour, adhesive, hardware, machinery, minor civil work etc. required to complete the job in all and every aspect. No extra payment shall be done for any lead, lift, transportation, scaffolding, shuttering or wastage of any material regarding this item.

4.2. The rates are included labour & material.

Item No. 12

Providing and fixing concealed stop cock of Jaquar brand cat no. FLR-5083NK with fitting sleeve, operating lever & adjustable wall flange with seal, Concealed body part for stop cock with protection cap of Jaquar Cat. No. ALD-081 including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. General

1.1. This work shall consist of Concealed Stop Cock for Toilet as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Concealed Stop Cock shall be good quality & Jaquar brand Cat No. FLR-5083NK with fitting sleeve, operating lever & adjustable wall flange with seal, Concealed body part for stop cock with protection cap of Jaquar Cat. No. ALD-081 or as approved by High Court Authority & Directed by Engineer in Charge.

2.2. **WARRANTY:** All products have a warranty of 7 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship

3.1. The detail specifications for this item shall be Providing and fixing concealed stop cock of Jaquar brand cat no. FLR-5083NK with fitting sleeve, operating lever & adjustable wall flange with seal, Concealed body part for stop cock with protection cap of Jaquar Cat. No. ALD-081 including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

4.0. Mode of Measurement & payment

4.1. The complete finished job shall be measured in the unit of One Number. The payment should be made per Number including all material, tools, tackle, labour, adhesive, hardware, machinery, minor civil work etc. required to complete the job in all and every aspect. No extra payment shall be done for any lead, lift, transportation, scaffolding, shuttering or wastage of any material regarding this item.

4.2. The rates are included labour & material.

Item No. 13

Providing and fixing Angular stop cock of Jaquar brand cat no. FLR-5053N with wall flange including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. General

1.1. This work shall consist of Angular stop cock as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Jaquar make cat no. FLR-5053N with wall flange Florentine collection. Angular stop cock with wall flange cock catalog ALI 85053 & Vignette Prime VGP 81053 or equivalent as approved by Engineer in charge.

2.2. **WARRANTY:** All products have a warranty of 7 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship

3.1. The contractor has to provide fixing of Angular stop cock with wall flange cock catalog 5053 Jaquar make Florentine collection Angular stop cock with wall flange cock catalog 5053 with necessary hex nipple fitting, Teflon tap and other consumable and labor etc. complete 15 mm dia, The item pertains to providing and fixing angular stop cock of heavy duty CP brass, of the specified diameter including necessary accessories. The stop cock shall be fixed into the pipe line with necessary sockets or union nut in places indicated on the drawing or as directed. Sun and safeda Teflon tape shall be used for complete watertight joint. If leakages observed on test, the joint shall be remade to make it leak proof. The item includes providing & fixing the Angular stop cock of the specified diameter on desired location in centerline pattern on the tiles of wall or floors, with hex nipple, union, coupling & other consumable required to fix the item completely, the dori, safeda, all necessary materials, plumbing labour and use of tools and minor civil work required to complete the item up to satisfaction of engineer in charge.

4.0. Mode of Measurement& payment

4.1. The mode of measurement payment shall be in unit of one number. The rate includes cost of all labour material, tools and plant etc. required for satisfactory completion of the complete item in all aspect up to satisfaction of engineer in charge.

Item No. 14

Providing and fixing Two-way Bib cock of Jaquar brand Cat No. FLR-5041N with wall flange including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. General

1.1. This work shall consist of **Two-way Bib cock** for Toilet as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Jaquar make Florentine collection only. 2-way bib cock with wall flange of **Jaquar brand cat no. FLR-5041N** or equivalent as approved by Engineer in charge.

2.2. **WARRANTY:** All products have a warranty of 7 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship

3.1. The contractor has to provide fixing of Jaquar make Florentine collection or equivalent series of Aquel or Max brand only. 2-way bib cock with wall flange with necessary hex nipple fitting, Teflon tap and other consumable and labor etc. complete 15 mm dia, the item pertains to providing and fixing 2-way bib cock with wall flange of heavy-duty CP brass, of the specified diameter including necessary accessories. The 2-way bib cock with wall flange shall be fixed into the pipe line with necessary sockets or union nut in places indicated on the drawing or as directed. Sun and safeda Teflon tape shall be used for complete watertight joint. If leakages observed on test, the joint shall be remade to make it leak proof. The item includes providing & fixing the 2-way bib cock with wall flange of the specified diameter on desired location in centerline pattern on the tiles of wall or floors, with hexnipple,union, coupling & other consumable required to fix the item completely, the Dori, safeda, all

necessary materials, plumbing labour and use of tools and minor civil work required to complete the item up to satisfaction of engineer in charge.

4.0. Mode of Measurement & payment

4.1. The mode of measurement payment shall be in unit of one number. The rate includes cost of all labour material, tools and plant etc. required for satisfactory completion of the complete item in all aspect up to satisfaction of engineer in charge.

Item No. 15

Providing and Fixing ABS body Health Faucet with 8mm dia. 1.20-meter length S.S. Barbed flexible tube of Jaquar brand Cat. No. ALD – 577 with wall Hook, N.R.V. [Back Flow Preventer] including necessary S.S. Screw with labour etc complete as directed by E.I.C. & High Court Authority.

1.0. General

1.1. This work shall consist of ABS Body Health Faucet with 1.20 meter length S.S. braided flexible tube for Toilet as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. ABS Body Health Faucet shall be good quality & as approved make (Jaquar Brand) with 1.2-meter S.S. braided flexible tube or as approved by High Court Authority & Directed by Engineer in Charge.

2.2. **WARRANTY:** All products have a warranty of 5 Years against any manufacturing defect covering for all kinds of finishes including replacement warranty.

3.0. Workmanship:

3.1. The detail specifications for this item shall be providing and fixing ABS body Health Faucet of Scott make and as approved by High Court Authority with 1.2 meter S.S. braided rubber hose pipe including necessary S.S. Screw with labour etc. complete as directed by E.I.C. & High Court Authority.

4.0. Mode of Measurement & payment

4.1. The complete finished job shall be measured in the unit of One Number. The payment should be made per Number including all material, tools, tackle, labour,

adhesive, hardware, machinery, minor civil work etc. required to complete the job in all and every aspect. No extra payment shall be done for any lead, lift, transportation, scaffolding, shuttering or wastage of any material regarding this item.

4.2. The rates are included labour & material.

Item No. 16

Providing and fixing Single Towel Rail of 600mm long made from AISI Stainless Steel 304 Grade of Roxia Make and Cat. No. AQ-901 or as approved by High Court Authority including all material, tools, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. General

1.1. This work shall consist of Single Towel Rail 600mm long for Toilet as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Single Towel Rail 600mm long shall be good quality & approved make [Roxia Brand] or as approved by High Court Authority & Directed by Engineer in Charge.

2.2. WARRANTY: All products have a warranty of 5 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship

3.1. The detail specifications for this item shall be Providing and fixing Single Towel Rail 600mm long made from stainless steel of approved make including all material, tools, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

4.0. Mode of Measurement & payment

4.1. The complete finished job shall be measured in the unit of One Number. The payment should be made per Number including all material, tools, tackle, labour, adhesive, hardware, machinery, minor civil work etc. required to complete the job in all and every aspect. No extra payment shall be done for any lead, lift, transportation, scaffolding, shuttering or wastage of any material regarding this item.

4.2. The rates are included labour & material.

Item No. 17

Providing and fixing Single Towel Ring of Round or Square Shape made from AISI Stainless Steel 304 Grade of Roxia Make and Cat. No. AQ-904 or as approved by High Court Authority including all material, tools, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. General:

1.1. This work shall consist of Single Towel Ring Round / Square shape as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Single Towel Ring Round / Square shape shall be good quality & approved make [Roxia Brand] or as approved by High Court Authority & Directed by Engineer in Charge.

2.2. **WARRANTY:** All products have a warranty of 5 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship:

3.1. The detail specifications for this item shall be Providing and fixing Single Towel Ring Round / Square shape made from stainless steel of approved make including all material, tools, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

4.0. Mode of Measurement & payment:

4.1. The complete finished job shall be measured in the unit of One Number. The payment should be made per Number including all material, tools, tackle, labour, adhesive, hardware, machinery, minor civil work etc. required to complete the job in all and every aspect. No extra payment shall be done for any lead, lift, transportation, scaffolding, shuttering or wastage of any material regarding this item.

4.2. The rates are included labour & material.

Item No. 18

Providing and Fixing Wall Mixture 3 in 1 System of Jaquar Brand Cat. No. FLR – 5281N with provision of both Hand Shower and Overhead shower complete with 115mm long bend pipe, connecting legs and wall flange [Without Hand & Overhead Shower] including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

1.0. Workmanship:

1.1. The detailed specification shall be followed as per providing and Fixing Wall Mixture 3 in 1 System of Jaquar Brand Cat. No. FLR – 5281N with provision of both Hand Shower and Overhead shower complete with 115mm long bend pipe, connecting legs and wall flange [Without Hand & Overhead Shower] including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed By Engineer in Charge.

2.0. Mode of Measurement and Payment:

2.1. The mode of measurement payment shall be in unit of one number. The rate includes cost of all labour material, tools and plant etc. required for satisfactory completion of the complete item in all aspect up to satisfaction of engineer in charge.

Item No. 19

Providing and fixing Hand shower 27mm X 27mm square shape single flow of Jaquar Brand Cat No. HSH-35537 [ABS Body & Face plate chrome plated] with wall bracket of Cat. No. SHA-555, Flexible Tube of Cat. No. SHA-571 including all material, tools, equipment, other required hardware material, labour etc. complete as per approved by High Court Authority & directed by Engineer in Charge.

1.0. General

1.1. This work shall consist of Hand shower as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material

2.1. Providing and fixing of Jaquar make (Cat. No.HSH-35537) Florentine or approved collection Hand shower with rubit clean Use Brass Ingots only in raw material for casting purposes as per international standards which gives perfect surface finish. Before casting internal cores are made on core shooter machines. The raw material gives perfect surface finish. The raw material for these is resin-coated sand. Since cores are made on machines and not manually, this ensures uniform wall thickness enabling smooth water passage inside the fitting.

2.2. The Internal fitting consists of the following parts : Bonnet, this made by forging which gives extra strength.

2.3. Spindle: This is made on automatic precision machines with extruded brass rod as per standard BS249 which provides uniformity and are fully replaceable.

2.4. The Acme threads on the spindles have more strength and are long lasting as they are machined with precision PMT (Trub Automatic) machines on extruded brass rods.

2.5. Rubber 'O' Ring closes the water entry from lower chamber to the internal fitting, this keeps the threads always lubricated and hence result in very low wear and tear and lasts longer.

2.6. The bore of the seat and the water passage area throughout the body section have a uniform diameter of 12.7 mm resulting in better flow of water even on normal water pressure.

2.7. Machining

All internal fittings are made from extruded brass rods on PMT automate (Traub Machines). The Automats being precision machines make the working parts standardized and hence easily replaceable. And also used imported burnishing tools to have mirror finish in our WALL MIXER NON-TELEPHONIC to give long life to rubber parts thus reducing its wear and tear. Polishing / Grading is done on the automatic machines to provide mirror smooth finish which is essential for perfect surface coating.

2.8. **Nickel Plating:** Latest ultrasonic cleaning system is used for cleaning and degreasing the product before electroplating. The thickness of nicket is 12 to 14 Microns as per international standards.

2.9. Chromium Plating: Quality chromium plating system which is copper based is used for giving the best surface shine having very high resistance against corrosion. Chrome thickness is 0.4 Microns.

2.10. Final Product Testing: Testing is done at every stage of manufacturing process. After assembly all fittings are tested under 300 psi water pressure as recommended by ISI standards. All concealed fitting has pneumatic (air) testing.

2.11. Packing: Packing is done in colorful packing in bubble sheets to avoid any surface damage in transit of during storage.

2.12. Warranty: All product has a warranty of 7 Years against any manufacturing defect covering for all kinds of finishes.

3.0. Workmanship:

3.1. The contractor has to provide fixing of Jaquar make Florentine collection Overhead shower series Overhead shower abs cp c 495 with rubit clean cpc 491/477 with necessary hex nipple fitting, Teflon tap and other consumable and labor etc. complete 15 mm dia , The item pertains to providing and fixing shower . Overhead shower abs cp c 495 with rubit clean cp c 491/477 of heavy duty CP brass, of the specified diameter including necessary accessories. The shower with rubit clean shall be fixed into the pipe line with necessary sockets or union nut in places indicated on the drawing or as directed. Sun and safeda Teflon tape shall be used for complete watertight joint. If leakages observed on test, the joint shall be remade to make it leak proof. The item includes providing & fixing the shower with rubit clean CON of the specified diameter on desired location in centerline pattern on the tiles of wall or floors, with hex nipple, union, coupling & other consumable required to fix the item completely, the dori , safeda, all necessary materials, plumbing labour and use of tools and minor civil work required to complete the item up to satisfaction of engineer in charge.

4.0. Mode of Measurement & payment:

4.1. The mode of measurement payment shall be in unit of one number. The rate includes cost of all labour material, tools and plant etc. required for satisfactory completion of the complete item in all aspect up to satisfaction of engineer in charge.

Item No. 20

Providing and fixing EWC wall hung of CERA Brand Cat No. CLAIR S1031102 P Trap with soft close slim seat cover, hinges, accessories set including C.I. chair bracket of Cat No. B2010105 and other consumable material like rack bolt and jointed with white cement slurry and colour cement slurry as approved by High Court Authority & directed by Engineer in charge.

1.0. General

1.1. This work shall consist of E.W.C. Wall hung for toilet as per directed by E.I.C., drawings and conforming to these Specifications or as approved by the Engineer in charge.

2.0. Material:

2.1. Cement shall be conforming to M-3 as per Building Specification Booklet.

2.2. Water shall be conforming to M-1 as per Building Specification Booklet.

2.3. Sand shall be conforming to M-6 as per Building Specification Booklet.

2.4. E.W.C. wall hung shall be good quality & CERA Brand Cat No. CLAIR S1031102 P Trap with soft close slim seat cover, hinges, accessories set including C.I. chair bracket of Cat No. B2010105 and other consumable material like rack bolt and jointed with white cement slurry and colour cement slurry as approved by High Court Authority & directed by Engineer in charge.

3.0. Mode of measurements and payment

3.1. The complete finished job will be measured and the unit of measurement will be in Number. The payment shall be made on Number basis of European W.C. pan fixing including all material, labour, taxes complete as directed. The rate includes all the items involved for the work Cement, Water, Sand and chemical and other required material etc. complete.

3.2. The rate shall be for a unit of one Number basis.

Credit of dismantle material

Item No. DC-1

Dismantling Credit: Credit of all types of Dismantling materials from the site. Given to credit of dismantling material if necessity of applicable. [Faucet Collection] [Item No. 1]

1.0. Workmanship:

1.1. Contractor shall receive all types of Dismantling materials from the site. The material of dismantled **Faucet Collection**, shall got measured prior to starting of work and the material shall be taken by contractor as credit and rate of the same shall be received by department as per approved tender as applicable. Qty. as per Item No. 4. [Faucet Collection] which shall be received by the contractor for the present work.

2.0. Mode of measurement & payment:

2.1. The Rate shall be for a unit of Each basis.

Item No. DC-2

Dismantling Credit: Credit of all types of Dismantling materials from the site. Given to credit of dismantling material if necessity of applicable. [Sanitary Fittings] [i.e. Like W.C., Wash Basin, Flush Tank] [Item No. 1]

1.0. Workmanship:

1.1. Contractor shall receive all types of Dismantling materials from the site. The material of dismantled **Sanitary fittings like wash basin, W.C., flush tank etc.** shall got measured prior to starting of work and the material shall be taken by contractor as credit and rate of the same shall be received by department as per approved tender as applicable. Qty. as per Item No. 4. [Sanitary fittings like wash basin, W.C., flush tank etc.] which shall be received by the contractor for the present work.

2.0. Mode of measurement & payment:

2.1. The Rate shall be for a unit of Each basis.

Item No. DC-3

Dismantling Credit: Credit of all types of Dismantling materials from the site. Given to credit of dismantling material if necessity of applicable. [Door/Cupboard]
[Item No. 2]

1.0. Workmanship:

1.1. Contractor shall receive all types of Dismantling materials from the site. The material of dismantled Door with frame shall got measured prior to starting of work and the material shall be taken by contractor as credit and rate of the same shall be received by department as per approved tender as applicable. Qty. as per Item No. 6. (Door/Cupboard) which shall be received by the contractor for the present work.

2.0. Mode of measurement & payment:

2.1. The Rate shall be for a unit of Each basis.

:: GENERAL TECHNICAL AND IMPORTANT CONSIDERATIONS ::

1.0. The present work shows the quantities that may be either in pieces or along the particular length as per requirement. Contractor shall have to carry out the work in any quantum irrespective of location of bungalow or area of judge's colony. The quantity may not be at same location but includes various piecewise locations. No complaint regarding the same shall be entertained.

2.0. All manpower deployed by contractor shall be courteous and well mannered. The work shall be carried out with prior approval of samples of the respective items. Concerned officer shall be intimated before starting the work and getting permission to enter the bungalow and judge's colony. Only contractor's manpower with proper identification shall be allowed for the work.


3.0. Work shall be carried out in such manner that no disturbance in the area may occur. Time of working shall be strictly maintained.

4.0. All debris shall be removed immediately from the site of work so that no dumping at the judge's colony site and bungalows may occur.

5.0. Only approved material shall be brought at site of work. Provision of material storage shall be managed by agency. Department should not be responsible for arrangement of material storage. Secure storage room for stack of material stock shall not be given to agency by department.

- 6.0. Proper coordination with the other working agencies shall be done for proper execution of respective items.

Dated signature of contractor


Dy. Executive Engineer
Gujarat High Court (R&B) Sub Division - 2
Ahmedabad


Executive Engineer

Gujarat High Court (R&B) Division
Ahmedabad

Name of Work :-

2216 S.R. to 30 Judges Bungalows at Bodakdev, Ahmedabad.
S.R. to E1 & E2 Judicial Officers' quarter at Bodakdev, Ahmedabad. [Applying Painting, Plumbing work and misc civil work in Block "A-101", "A-301", "B-301", "B-501", "B-401", "C-301", "C-401", "C-501" and other quarters at Judicial Officers' quarter at Bodakdev, Ahmedabad.]

Testing Schedule

Sr. No.	Description in Brief	Total Quantity	Material to be Tested	Name of Laboratory Test	Frequency	Total No. of test to be carried out	Remarks
1	2	3	4	5	6	7	8
1	Cement	6.446 M.T.	Cement	(1) Initial & Final Setting Time	M.T. TestNo.	1 Test	
				(2) Compressive Strength	Upto 50		
				(3) Consistency	50 to 100		
				(4) Fineness	100 to 200		
				(5) Soundness	200 to 300		
					300 to 500		
					500 to 800		
					800 to 1300		
				& 8 test for larger consignment			
2	Sand	8.94 Cu.m	Sand	(1) Fineness Modulus (2) Specific Gravity (3) Water absorption (4) Clay & Fine Silt Content	1 / 150 M³	1 Test	
3	Water	-	Water	(1) Potability (2) Salinity	One Test Per Sources	1 Test	
4	20 mm aggregate	17.87 Cu.m	20 mm aggregate	(1) Gradation (2) Flakiness Index (3) Impact Value (4) Water Absorption (5) Crushing Strength	1 / 150 M³	1 Test	

Deputy Executive Engineer
Gujarat Highcourt (R & B) Sub Division No.2
Ahmedabad

Executive Engineer
Gujarat Highcourt (R & B) Division
Ahmedabad

Name of Work:- S.R. to E1 and E2 Judicial officers quarter at Bodakdev, Ahmedabad. (Applying Painting, Plumbing work and misc. civil works in Block A-101, A-301, B-301, B-501, B-401, C-301, C-401, C-501 and other quarters at Judicial officers quarter at Bodakdev, Ahmedabad.)

ખાસ શરત

સદર કામગીરી અગત્યતાના ધોરણે શરૂ કરવાની હોવાથી ટેન્ડર પેટેની જામીન અનામત તેમજ એડીશનલ જામીન અનામત ભરવાની થતી હોય તો તે અત્રેની કચેરીના જામીન અનામત ભરવા અંગેના પત્ર લખ્યા બાદ કામકાજના દિન-૦૪ ભરવાની રેહશે.


Deputy Executive Engineer
Gujarat High Court (R&B) SD. No. 2
Ahmedabad


Executive Engineer
Gujarat High Court (R&B) Division
Ahmedabad

Statement showing the item on which extra security detail is to be recovered

Name of Work :- S.R. to E1 & E2 Judicial Officers' quarter at Bodakdev, Ahmedabad. [Applying Painting, Plumbing work and misc civil work in Block "A-101", "A-301", "B-301", "B-501", "B-401", "C-301", "C-401", "C-501" and other quaters at Judicial Officers' quarter at Bodakdev, Ahmedabad.]

Sr. No.	Particular of work	Tender Item No.
1	10% for Colour work	3 & 4
2	15% for Water Proofing	5



Deputy Executive Engineer
Gujarat High Court (R&B) Sub Division No. 2
Ahmedabad



Executive Engineer
Gujarat High Court (R&B) Division
Ahmedabad.



