

Notice Inviting Bid

Hyderabad
05.06.2012

1. The CEO, AHCT invites proposals for providing services Interior, Wood & Civil Works of Aarogyasri Health Care Trust Office at Jambagh, Hyderabad. More details on the services are provided in the attached Terms of Reference. Class I Contractors or Suppliers are preferred.
2. The firm will be selected under least – cost based selection and procedures described in this Bidding Document.
3. The bidding document includes the following parts:
Disclaimers
Volume I-The Work
Volume II-The Bid
Volume III-The contract
4. The bidder shall quote all the rates if not will be deemed as incomplete and will be disqualified.

Tenders with accompanying documents should be submitted to the address given below by **2:00 PM on 18.06.2012**.

**Address for submission: Aarogyasri Health Care Trust,
Road.No.46, Jubilee Hills,
Opp. Dr. B.R. Ambedkar Open University,
Hyderabad.**

Contact for queries: Smt. K. Aruna Devi, Joint Executive Officer (Admin) 9963722213

Website: www.eprocurement.gov.in

**The Chief Executive Officer
Aarogyasri Health Care Trust
Hyderabad**

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General

AHCT	:	Aarogyasri Health Care Trust
Trust	:	Aarogyasri Health Care Trust
Must	:	Denotes mandatory requirement
Shall	:	Denotes mandatory requirement
RFP or Tender:		Request for Proposal
ITB	:	Instructions to Bidders
BDS	:	Bid Data Sheet
LOA	:	Letter of Award
TOR	:	Terms of References
GCC	:	General Conditions of Contract
SCC	:	Special Condition of Contract

Disclaimer

The information contained in this Bidding document or subsequently provided to Bidder(s), whether verbally or in documentary or any other form by or on behalf of the Trust or any of its employees or advisors, is provided to Bidder(s) on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor invitation by the Trust to the prospective Bidders or any other person. It may not be construed as the agreement under any circumstances. The purpose of this RFP is to provide interested parties with information that may be useful to them in making their financial offers (Bids) pursuant to this RFP. It includes statements, which reflect various assumptions and assessments arrived at by the Trust in relation to the IT Infrastructure needs of the Trust. Such assumptions, assessments and statements do not purport to contain all the information that each Bidder may require. This RFP may not be appropriate for all persons, and it is not possible for the Trust, its employees or advisors to consider the investment objectives, financial situation and particular needs of each party who reads or uses this RFP.

Information provided in this RFP to the Bidder(s) is on a wide range of matters, some of which may depend upon interpretation of law. The information given is not intended to be an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Trust accepts no responsibility for the accuracy or otherwise for any interpretation or opinion on law expressed herein.

The Trust, its employees and advisors make no representation or warranty and shall have no liability to any person, including any Bidder or Bidders under any law, statute, rule or regulations or tort, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, arising in any way for participation in this Bidding Stage.

The Trust also accepts no liability of any nature whether resulting from negligence or otherwise howsoever caused arising from reliance of any Bidder upon the statements contained in this RFP.

The RFP document will not form part of any contract or arrangement, which may result from the issue of this document or any investigation or review, carried out by a Recipient

The Trust may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumptions contained in this RFP.

A. SCOPE OF SERVICES

1. Introduction

- .1-Preamble
- (i) Government of Andhra Pradesh formed the Trust to provide cashless tertiary care coverage to all the poor of the State through a twin track approach viz., strengthening the public institutions and purchase of quality private medical services from the market.
 - (ii) The purchase of medical services from the market involves among other things, purchase of insurance for certain of the listed therapies. Trust has been implementing Rajiv Aarogyasri Scheme for 2 crores poor families in the State over the last 5 years. The listed therapies offered by the trust under the benefit package to the beneficiaries are partly offered with insurance cover purchased from the market and partly directly by the Trust.

Definitions

The definitions of terms shall be interpreted as indicated below. The scheme specific definitions shall be provided under the appropriate heading.

(a) General Definitions

- (i) “Applicable Law” means the laws and other instruments having the force of law in India.
- (ii) “Government” means the Government of Andhra Pradesh or the Government of India.
- (iii) “Government Authority” shall mean either GoAP or GoI or Aarogyasri Health Care Trust (AHCT) or any entity exercising executive, legislative, judicial, regulatory or administrative functions of or pertaining to Government and having jurisdiction over the Company, the parties, any shareholder or the assets or operations of any of the foregoing including but not limited to the Insurance Regulatory and Development Authority.
- (iv) “Law” includes all statutes, enactments, acts of legislature, laws, ordinances, rules, bye-laws, regulations, notifications, guidelines, policies, directions, directives, and orders of any Government, Government Authority, Court, Tribunal, Board or recognized stock exchange of India, as may be applicable to the Scope and Terms of this Agreement.
- (v) “Services” shall mean the entire services provided by the Consultant to carry on the works.
- (vi) “Service Area” shall mean the area within which Consultant is authorized to provide services.
- (vi) “Service Level” means the level and quality of service and other performance criteria which will apply to the Services as set out in any Project Agreement.
- (vii) “Materials” means all documentation in printed or printable form and all instructional and informational aides in any form (including audio, video, and text) and on any medium, provided to the Purchaser under the Contract.
- (viii) “Intellectual Property Rights” means any and all copyright, moral rights, trademark, patent, and other intellectual and proprietary rights, title and interests worldwide, whether vested, contingent, or future, including without limitation all economic rights and all exclusive rights to reproduce, fix, adapt, modify, translate, create derivative works from, extract or re-utilize data from, manufacture, introduce into circulation, publish, distribute, sell, license, sublicense, transfer, rent, lease, transmit or provide access electronically, broadcast, display, enter into computer memory, or otherwise use any

portion or copy, in whole or in part, in any form, directly or indirectly, or to authorize or assign others to do so.

(b) Entities

- (i) “Consultant” means a legally-established professional consulting firm or entity selected by the Client to provide the Services under the signed Contract.
- (ii) “Party” means the Purchaser or the Supplier, as the case may be; and “Parties” means both of them.
- (iii) “Purchaser” means Aarogyasri Health Care Trust.
- (iv) “Trust” means Aarogyasri Health Care Trust of Government of Andhra Pradesh.

(c) Scope

- (i) “Budget” means the amount that is allocated by the Trust for the purpose of funding the consultant for carrying on the works during the contract period.
- (ii) “Confidential Information” means all information (whether in written, oral, electronic or other format) that have been identified or marked confidential at the time of disclosure including Project Data which relates to the technical, financial and business affairs, customers, suppliers, products, developments, operations, processes, data, trade secrets, design rights, know-how and personnel of each Party and its affiliates which is disclosed to or otherwise learned by the other Party whether a Party to this Agreement or to the Project Agreement in the course of or in connection with this Agreement (including without limitation such information received during negotiations, location visits and meetings in connection with this Agreement or to the Project Agreement).
- iii) “Deliverables” means the services specifically developed for “Aarogyasri Health Care Trust” and agreed to be delivered by the Consultant in pursuance of the agreement and includes all documents related to the service, user manuals, technical manuals, design, methodologies, process and operating manuals, service mechanisms, policies and guidelines, and all their modifications.
- (iv) “Proprietary Information” means processes, methodologies and technical, financial and business information, including drawings, design prototypes, designs, formulae, flow charts, data, computer database and computer programs already owned by, or granted by third Parties to a Party hereto prior to its being made available under this Agreement, Project Agreement or a Project Engagement Definition.

(d) Place and time

- (i) “Hour” means the hour as appearing in 24 hour format (hh:mm).
- (ii) “Day” means calendar day of the English Calendar.
- (iii) “Week” means seven (7) consecutive Days, beginning Monday.
- (iv) “Month” means calendar month of the English Calendar.
- (v) “Year” means twelve (12) consecutive Months.
- (vi) “Effective Date” shall be as defined in the **contract**.
- (vii) “Contract Period” is the time period during which this Contract governs the relations and obligations of the Purchaser and Supplier in relation to the Work, as **specified in the Contract**.

3. (i) TERMS & CONDITIONS OF CONTRACT

1. Any discrepancies found in the drawings or tender shall be brought to the notice of Purchaser before quotation/ execution.
2. The Purchaser is not responsible for loss of materials, damages to works, injury or loss of life of workers. The contractors themselves are responsible for any liability on these accounts.
3. The Purchaser is not responsible for the delay in completion due to non-availability of materials or natural calamities or strikes etc. Extension of time may be allowed for valid reasons only.
4. The Supplier shall remove all the remaining materials, tools, etc., clean the premises and hand over after completion of the work.
5. The decision of the Purchaser shall be final and binding with regard to the additions or alterations in the designs/ items of work, disputed of measurements, quality, rates etc.,
6. The organization may delete / reduce the items of work at any time of progress or before commencement for which the Supplier shall not be compensated.
7. The Purchaser may terminate the contract during the progress of works, if the qualities of workmanship/ materials/ speed are not to the satisfaction of the Purchaser.
8. During the progress of work the premises shall be kept open at any time for inspection by the Purchaser.
9. The Supplier shall co-operate with other agencies like plumber, electrical contractors etc., in all respects to complete the works effectively and in time.
10. The following specifications of items of works/ measurements/ conditions may be adopted for applicable items of works.
11. If any changes are incorporated by the Bidder in the tender conditions /drawings/ specifications, such tenders are liable for rejection.
12. The Supplier shall not sublet the contract works in whole or in part without the permission of the Purchaser. Work executed by the sub contractor shall also be covered under the agreement and obligation of the main contractor.
13. The contract shall be terminated during the execution of works if the Supplier or sub contractor is found to be deviating from the designs/ specifications/instructions provided by the Purchaser.
14. The drawings shall not be measured. Only the written dimensions shall be followed for quotation / execution.
15. In case of difference between the specifications and the drawing of a particular item of work, specification only should be considered for quotation / execution.

(ii) SPECIFICATIONS

1. All the materials used shall conform to BIS or equivalent specifications and standard in quality.
2. All the materials of works shall be inspected and certified by the architect before use at site.
3. Aluminium extrusions shall be 1.5 mm thick or of 16 gauge and anodized aluminium of Indal / Jindal companies.

4. Aluminium grill shall be of heavy gauge with openings not more than 2” size for cash cabin and shall be of Aluminium grills / Ravin companies.
5. The accessories like aluminium clips, clamps, pivotal system etc. for aluminium works shall be of heavy gauge and rubber beading shall be of good quality.
6. All the blocks / ply woods shall be of National / Green / Kit / Anchor / Century companies and as specified by the head office of the bank.
7. The plastic laminates shall be of 1.5 mm thickness and of Decolam / Neolux /Formica / National companies.
8. Both sides prelaminated particle boards shall be of Novopan / Butan companies.
9. The Plain glass shall be of 6mm thickness and of Modi Guard (Float glass) /Asahi companies.
10. The door closures shall be of Everite / Garnish companies.
11. The multipurpose locks for shutters / drawers of furniture shall be of Godrej company. The handles for shutter / drawers shall be metallic / powder coated /recessed type rose wood. The ball catches shall be of brass and of big size. The piano hinges shall be of heavy gauge.
12. All the doors shall be provided with mortise locks of Godrej company unless otherwise mentioned.
13. All the wooden furniture shall be provided ¾” dia. P.V.C. bushes at the bottom,at every 2’-6” distance.
14. All the teak wood and beadings on facing surfaces shall be finished with 3(Three) coats of Light house colorless polishing after sand papering etc.
15. Synthetic enamel painting shall be of 2 (Two) coats over a coat of primer after putty and sand papering, etc.

(iii) WORKMANSHIP

1. All the exposed ends of block / ply / prelaminated boards shall be covered with teak wood beadings of required size and design.
2. All the facing and exposed surfaces of block / ply boards shall be plastic laminated and unexposed surfaces shall be finished with 2 coats of synthetic enamel painting.
3. Any wood used shall be well seasoned and free from defects.
4. All the patch works shall be completed to give matching and finished look and the rates shall be inclusive of the finishing work.
5. The finishing colour and designs of the materials shall be approved by the architect before execution.
6. The entire block / ply / wooden furniture shall be inspected and certified by the architect after fabrication but before painting / polishing or plastic lamination at site.

(iv) MEASUREMENTS, RATES & PAYMENTS

1. The measurement of each work executed and billed shall be as per actual. The rates shall be inclusive of wastages, transport and all taxes.
2. The Purchaser will not consider the escalations / fluctuations in basic rates of material or labour charges.

3. The Bidder shall affix his signature if any changes / corrections are made for quoted rates.
4. The payments shall be released after deductions as per rules of the income tax department.
5. Security deposit of 10% (Ten percent only) of the final bill will be deducted before payment. The deposit will be released after the defects liability period without interest.
6. The FINAL BILL shall be submitted by the contractors only after the virtual completion of the works in all respect to the satisfaction of the architect and head of the section / bank. The final bill of the contractors shall be certified after verification of quantities and quality at site within 10 (Ten) days excluding holidays after submission of the bill.
7. **The Defects Liability Period:** See clause 8.3 of SCC of contract part. Any defects found during this period shall be rectified by the Supplier at their own cost. If the defects are not rectified by the Supplier and if they are rectified by others, the charges of rectification shall be recovered from the Supplier.
8. For showcase, wardrobes, etc., the measurements shall be taken as clear inner sizes only.

4. TECHNICAL SPECIFICATIONS

(i) Civil works

Materials – General

- a. All the materials required in the construction shall conform to the relevant latest Indian Standards specifications unless otherwise indicated. For patented products, the specifications and instructions of the manufacturers will be followed. In case where there are no specifications, then ENGINEER –In-charge instructions will be followed. In Case of any discrepancy/dispute regarding specifications, ENGINEER’s decision will be final and binding.
- b. Materials shall be transported, landed and stored at the site or elsewhere in such a manner as to prevent any damage, deterioration or contamination at the risk of the Contractor.
- c. The samples of all materials shall be got approved by the ENGINEER prior to ordering and shall be kept at site office of the ENGINEER. The materials brought to site shall conform in all respects to the approved samples. Any work executed, without approval for the materials, is liable to be rejected. Accordingly, it will be paid either at tender rates or reduced rates or not to be paid at all, at the discretion of ENGINEER, whose decision will be final and binding.
- d. The ENGINEER shall have an option to have any materials tested at the contractor’s cost to find out whether they are in accordance with the specifications. All Bills, vouchers, test certificates shall be produced for inspection on demand by the ENGINEER to ascertain the quality / suitability of materials.
- e. The materials shall be stacked at site as directed by the ENGINEER Any materials rejected by the ENGINEER, shall be removed by the contractor from the site within 24 hours at his own cost. The contractor shall include the elements of wastage of materials in his rates for various items.
- f. The ENGINEER shall have the power to cause the contractors to purchase and use such material from any particular source at his opinion be necessary for proper execution of work.

Plain And Reinforced Precast Concrete Work:

General:

The structural and architectural drawings shall be studied thoroughly and any discrepancy in the dimensions on the drawings or any other point not clear to the contractor shall be brought to the notice of Architect & Employer well in advance, and got decided from them before further proceeding with the work.

No concrete works shall be carried out in the consent of authorized and qualified supervisor of the client/Architect.

Materials:

General:

All the materials constituting the concrete shall conform to the relevant latest Indian Standard Specifications, unless otherwise indicated.

Materials shall be transported, handled and stored on the site or elsewhere in such a manner as to prevent damage, deterioration or contamination.

All the materials such as sand, coarse aggregates, cement and water shall be got tested in any approved laboratory, as directed by the ENGINEER, before starting the concrete work. During construction also all these materials will have to be tested, as often as deemed necessary by the ENGINEER.

Cement:

Cement shall be ordinary Portland cement 43 grade and of approved brand conforming to IS 1812 – 1989 unless otherwise specified. The contractor may use ordinary Portland Cement of 53 grade of the makes specified above by obtaining written permission from the ENGINEER.

Sand:

Sand shall be well graded, coarse in texture, clean, hard and free from salt, earth, clay or any other harmful material. Before starting the work, the contractor shall get samples of sand, locally available from different sources, if required, and the same shall be got tested as per latest relevant B.I.S. codes for concrete work and to get the final approval of ENGINEER. During the course of the construction or for any reasons it is observed that the sand, procured by the Contractor from previously approved source, is not upto the approved standard or it is not available in sufficient quantity required for the entire project, then the contractor will have to make such alternative arrangements to procure the sand of approved quality from any other source, even with longer lead at no extra cost.

Coarse Aggregate:

Coarse aggregates shall consist of hard, dense, durable uncoated crushed Granite rock. It shall be free from soft, friable, thin or long laminated pieces. All aggregates should generally conform to IS 383 – 1970. For reinforced cement concrete, the maximum size shall be not more than 20mm and minimum shall not be less than 5mm and shall be uniformly graded to the approval of ENGINEER. If locally available coarse aggregate is not suitable or is not sufficient in quantity, the contractor shall have to procure it from any other source, even with longer leads at no extra cost. Necessary tests shall be carried out, as and when required to ascertain about the suitability and grading of the aggregated, by the contractor at his cost.

Water:

Water shall be clean, fresh and free from organic or inorganic matters in solution or suspension in such amounts that may impair the strength or durability of the concrete. Water fit for drinking will generally be found suitable for use in concrete and plastering work. However water shall be tested periodically for its use in construction work.

Reinforcement:**Mild steel bars:**

Mild steel reinforcement bars shall conform to I.S.432 – 1982 “Part I” Fe 410 – S, other qualities of steel shall not be acceptable.

High strength deformed bars:

Where deformed high strength reinforcement bars are specified, the contractor shall use tor steel, accompanied by a test certificate from the manufacturer, conforming to IS – 1786 – 1986 and shall be Fe 415 grade. Contractor shall get steel reinforcement tested at his cost as and when required and directed by OWNER & Architect.

Placing and Security:

Reinforcement bars shall be accurately placed and secured in position and firmly supported or wedged by precast cement mortar concrete blocks of suitable mix, thickness and size, at sufficiently close intervals, so that the bars will not sag between the supports or get displaced during the placing of concrete or any other operation of the work. It is most important to maintain reinforcement in its correct position without displacement and to maintain the correct specified cover. The contractor shall be responsible for all costs for rectification required in case the bars are displaced out of their correct position.

Binding wire:

The reinforcement shall be securely bound wherever bars cross/lap or whenever required with 2 strands of suitable length of 18 gauge soft annealed steel wire.

Welding:

Welding of bars, in place of splicing, shall not be carried out, unless specifically authorized in writing by ENGINEER, and the welding shall be as per relevant I.S. code of practice. However, no extra payment shall be allowed for the same.

Inspection of Reinforcement:

No concreting shall be commenced until the ENGINEER has inspected the reinforcement in position and their approval obtained. A notice of at least 72 hours shall be given to the ENGINEER by the Contractor for inspection of reinforcement. .

Net Measurement:

Reinforcements shall be placed as shown on the structural drawings and payment will be made based on and limited to the net measurements, as per drawings. Only such laps, dowels, spacers, chairs etc., in reinforcement specifically shown on drawings shall be paid for.

Cover for Reinforcement:

Unless otherwise specified in drawings, cover shall be measured from outer surface of the main reinforcement and shall be as follows:

For beams and lintels – 25mm or dia of the bar, whichever is higher.

For slabs, chajjas, canopies, pardas – 15mm or dia of the bar, whichever is higher.

Columns – 40mm, or dia of bar, whichever is higher.

Footings – 50mm.

Cover blocks shall be of (1:1½:3) P.C.C. and of thickness, not less than the cover specified. Cover blocks of 1:2 cement mortar may be allowed, if specifically permitted by the Architect.

Form Work:

Materials and design:

Contractor shall get the materials, sizes/arrangements and method of supports, details of joinery, and design of formwork for beams, slabs, and columns etc., approved by Architect, before starting the formwork.

Design of Form work:

i)Form work shall be adequately designed to support the full weight of workers, reinforcement, freshly placed concrete, effects of tamping/vibrating, etc., without yielding/settlement or deflection, and to ensure good and truly aligned concrete finish in accordance with the construction drawings.

Stripping time:

In normal circumstances (general where temperatures are above 20 degrees C and where ordinary Portland cement is used) forms shall be struck after expiry of the following periods, unless otherwise specifically directed at site by the ENGINEER.

LOCATION	STRIKING TIME IN CLEAR DAYS (OPC) (AFTER THE DAY OF CASTING)
a. Vertical sides of walls slabs, beams And columns	4
b. Bottoms of slabs up to 4.5m span.	7
c. Bottom of slabs above 4.5m span/ Bottoms of beams & arch rib bottoms up to 6m span.	14
d. Bottom of beams over 6m span and arch rib bottoms above 6m span.	21

Concrete mix proportioning:

Concrete mix proportioning for all grades of concrete shall be as per IS 456 – 1978 clauses 8 & 9 and as per SP 23 – 1982 Section 6. The constituent materials to be used for concrete making namely cement, aggregates & water shall be as per clause 4 of IS 456 – 1978. The mix proportions shall be so selected as to ensure that the workability of the fresh concrete is appropriate/suitable for the conditions of handling and placing, so that after compaction its surrounds all reinforcements and completely fills the form work. When concrete is hardened, it shall have the required strength, durability and surface finish. The determination of the proportions of Cement, Aggregates and water to attain the required strengths shall be made as follows:

By adopting nominal concrete mix, this is called ‘nominal mix concrete’.

Transporting and placing concrete:

The concrete shall be transported from mixer to the position of placing as rapidly as possible and in a manner that would prevent separation or bleeding or impair the quality of concrete. Equipment for transportation, pumping or pneumatically conveying concrete shall be of such size and design as to ensure a practically continuous flow of concrete at the delivery end, and without any separation of the materials. The chute shall be of metal or metal-lined wood with slopes neither less than 1 vertical to 3 horizontal nor more than 1:2. The discharge end of the chute shall be provided with baffle plates to prevent segregation.

Concrete shall be placed continuously until completion of the work.

Concrete footing shall be placed upon undisturbed clean and hard surfaces of specified bearing capacity.

Contractor's authorized Engineers/Supervisors/Foremen shall always be present for all concreting work carried out at site.

Protection of Concrete:

Newly placed concrete shall be protected by approved means from rain, sun and drying winds.

Structural joints:

Expansion joints, construction joints, hinges or other permanent structural joints shall be provided in the position and of the form described in the drawings or as directed by the ENGINEER and shall be got approved before casting.

Strength of Concrete:

The concrete mix shall be so made to produce the desired grade concrete having the required workability and characteristic strength not less than values given below:

Grade Definition	Specified Minimum Characteristic compressive strength at 28 days
M – 15	150 Kg/Sq.cm
M – 20	200 Kg/Sq.cm

~~Strength of concrete required for various situations have been clearly stipulated in the relevant item~~

Strength of concrete required for various situations have been clearly stipulated in the relevant item of the schedule of quantities and/or in the drawings. If the concrete produced at site does not satisfy the above strength requirements, the ENGINEER will reserve the right to require the contractor to improve the method of batching, the quality of the ingredients and the mix with increased cement contents, if necessary. The contractor shall not be entitled to claim any extra cost for the extra cement used or for the modifications, for fulfilling the strength requirements as specified. The able guide for the quality and for durability of concrete. It must also have an adequate cement content and as well a low water – cement ration, as given below, which is applicable for moderate weather conditions, as specified in I.S. 456 – 1978.

MINIMUM CEMENT

MAXIMUM WATER – CEMENT

CONTENT	RATIO
Moderate conditions 290 Kg/Cum	0.55

The minimum cement contents is based on 20mm aggregates. For 40mm aggregate it should be reduced by about 10% and for 12.5mm aggregate it should be increased by about 10%.

Strength tests during the work:

Samples should be taken from each 20 cum of concrete made during the progress of the work, or when a day's concrete work does not amount to 20 cum, then from each day's quota, and as required by ENGINEER. Six samples of cubes of size 150 x 150 x 150mm shall be taken jointly each time in steel moulds, 3 of which shall be tested for 7 days strength and the remaining 3 shall be tested for 28 days strength on 7th and 28th day respectively, after the day of casting. Proper curing arrangements, as directed by ENGINEER, shall be made at site by the contractor. Each cube shall be marked and numbered, and dated by the contractor.

The contractor shall maintain a register at site as directed by the ENGINEER, showing all particulars (date of casting, mix of concrete, location of concreting, water cement ratios, approximate concrete quantity represented by samples, no of cubes cast, date and results of testing, and remarks) and all the entries should be signed jointly by the contractor with ENGINEER. 7 days strength shall not be less than 2/3rds of the 28 days strength. The results of the tests in any of the recognized laboratories and/or contractor's laboratory at site shall be taken as final and binding on the contractor. The average strength shall be higher than the prescribed strength. The average strength of the specimens taken at a time may be assumed as the compressive strength of concrete, provided the difference between the maximum and minimum strength of the three specimens does not exceed 15% of the average strength. Concrete test cubes shall be taken out and got tested as per time schedule for knowing 7 days and 28 days crushing strength, at no extra cost, either at site or at an approved laboratory. Whenever for any set of cubes, if the 7 days crushing strength is found satisfactory, 28 days tests are not necessary. In cases, where 7 days strength is not satisfactory, tests for 28 days strength must be gone done WITHOUT ANY EXCEPTION.

In case the compressive strength obtained from the test samples of concrete at 28 days is less than the minimum specified characteristic compressive strength, the work is liable to be rejected at the sole discretion of ENGINEER.

ENGINEER's decision regarding dismantling of such works or suitable rectifications or any alternative assessment by load test for allowing the corresponding work to be retained, shall be final and binding on the contractor. These shall be carried out at contractor's cost only. The condition of any test does not guarantee acceptance of concrete covered by the test final decision regarding finally accepting/rejecting such works even after conducting those tests shall be made by the ENGINEER only.

In case of concrete showing test results lower than the specified strength and in the opinion of the ENGINEER such works could be allowed to remain, after due and satisfactory rectifications, if any, ordered and or load tests or even otherwise, then the rates quoted by the contractor, corresponding to those items, shall be reduced suitably for paying for that part of work. The ENGINEER shall have full power

in their absolute discretion to fix the actual rate payable after deduction, and it shall be binding on the contractor. If the strength is so low that in the opinion of ENGINEER, the work has to be dismantled, then the contractor shall do so as directed at his own cost irrespective of the amount of loss, inconvenience and difficulties involved. Rejected/dismantled work shall not be paid for.

The contractor shall pay all costs incurred in supplying the material for and in making, maturing, delivering and testing the cubes.

Rates for concrete items shall cover any shape and size, and for doing at any height and depth (all lifts) as per drawings, providing cover blocks or nylon spacers etc.

Fixing all inserts such as pipes, plugs, forming holes/pockets etc.

Providing dowel bars, etc., through shuttering and forming drip moulds to chajjas, sills etc., or at any other places as directed.

Mode of measurement:

Length of columns will be measured upto top of the slab.

Length of main beams will be measured between columns and depth below the top of the slab. For secondary beams length will be between main beams.

Slabs to be measured in cum between beam to beam.

Chajjas will be measured in Cum. Width to be measured beyond lintel width.

For staircase, RCC steps, waist slab, beams will be measured in Cum.

Masonry:

Brick masonry:

Bricks:

- a. The bricks shall be of best locally available quality, and having the specified crushing strength, and shall be of quality approved by the ENGINEER before placing orders for the same.

They shall be sound, hard and well burnt. They must give a ringing sound when struck with a metal piece and shall have frog.

They shall be free from cracks, flaws and nodules and also free from lime or stone pieces.

- a. All bricks when dry shall have an average compressive strength not less than 60 Kg/Sqcm, unless otherwise specified.
- b. The bricks wherever specified as wire cut and or machine made, shall have compressive strength not less than 60 Kg/sq.cm, unless otherwise specified. The crushing strength bricks of bricks which vary by more than 15% of average strength of that group of sample, must be omitted and average strength of balance bricks only shall be considered as representative of that lot of bricks.
- c. If the contractor executes the work, without approved quality of bricks, the same shall be liable for rejection or paid at reduced rates, at the sole discretion of the ENGINEER, which shall be final and binding.

Mortar:

The sand should be only of approved quality and 'Coarse' unless otherwise specified. It will be screened and/or washed, if required and directed, without extra cost. Unless

otherwise stated, cement mortar for brick work shall be of 1:6 (1 cement: 6 sand) proportion for walls of one brick thick and above. While for half brick walls or brick on edge work cement mortar shall be of 1:4 (1 cement: 4 sand) proportion.

Workmanship:

Construction:

All brick work shall be set out and built to lines, levels, batters, curves and to any shape or position to dimensions, thickness and heights shown upon the drawings, and a good bond shall be preserved throughout the work both laterally and transversely. English bond shall be used throughout.

All bricks shall be thoroughly wetted before use in the manner that water penetrates to the full depth of brick stock, and every brick is fully soaked.

Single or double scaffolding of adequate strength shall be provided for all types of loads likely to come on them during construction. In case of single scaffoldings all the scaffolding holes shall finally be filled with cement concrete 1:3:6 (1 cement :3 coarse sand : 6 graded stone aggregate, 20mm nominal size) at contractor's cost.

Rates To Include:

All materials, labour, tools/equipment used and other items intended for the satisfactory completion of brick masonry at all heights and depths.

Erecting and removing of all single or double scaffolding, (as may be directed/specified), ladders required for the execution of the work at any height and depth and shape as shown in drawings or as directed by the ENGINEER, and as well cleaning everyday the surface of masonry executed on that day.

Cement plastering/cement pointing:

Materials:

Cement, sand and water constituting the materials for the work shall conform to the specifications laid down for the concrete work. Fine sand shall be used as per IS Code.

Mortar shall be in proportion as specified in the bills of quantities.

General:

Adequate single scaffolding (if specifically permitted) shall be provided by the contractor at his expense and the scaffolding holes shall be filled in with cement concrete 1:3:6 (1 cement : 3 coarse sand: 6 hard graded stone aggregate 20mm size) compacted well and plastered over before lowering the scaffolding just below, if any, without any extra cost. In case double scaffolding is done, nothing extra shall be paid.

The surfaces to be plastered shall be first cleaned and watered well in advance and thoroughly wetted before plastering.

Smooth surfaces of concrete, old plaster etc., shall be suitably roughened or removed to provide necessary bond for the plaster. All dirt, sports, oil paint etc., which prevents proper bond with plaster, shall be removed.

Patches of plaster 150 x 150mm shall be put on about 3 meter apart as gauges, to ensure even plastering in one plane.

All plaster work shall be cured atleast for 7 days and to the entire satisfaction of the ENGINEER. The curing shall be so done that damage to plaster with the impact of splashing water is avoided.

The contractor shall be responsible for making good any portion of plaster, which requires redoing, at his cost.

Flooring:

Cement Concrete Flooring with Integral Finish:

Cement concrete shall be mixed, laid, consolidated and cured as described in Chapter "Concrete". Laying of concrete shall be done in alternate panels. The size and division of panels shall be as per direction of the Engineer. The mix or grade of concrete shall be as specified in the Schedule of Items.

The finished surface may be rendered smooth by towel finishing to provide an appearance of fine and smooth textured surface and in panels or in geometric pattern as specified in Schedule of Items or as directed by the Engineer.

Dividing Strips:

Dividing strips shall be of Glass of 6mm thick and shall penetrate to full depth of Flooring

Wood Work:

Materials:

Unless otherwise stated the timber used in this project will be second class teakwood and shall be got approved from the ENGINEER before using it in work. The timber shall be well seasoned and free from shakes, fissures, cracks, large/loose knots or other major defects. It shall also be free from spongy, brittle, flaky wood, sapwood and all such defects, which will affect its strength, durability, appearance or usefulness for the purpose for which it is required. Any effort such as plugging, painting or using any adhesives, to hide any defects, shall render the timber liable to rejection by the ENGINEER. No individual hard and sound knot shall be more than 40mm dia and the aggregate area of all the knots shall not exceed 1.5% of area of the piece for purposes of acceptance. It should conform to relevant I.S.I003.

Glue: Organic type shall comply with specification I.S. 852 –1957 and synthetic type shall comply with I.S.851 – 1957 in all respects.

Nails, screws, ties, straps, bolts, etc., shall be of the material, make and pattern as approved by the ENGINEER. Unless otherwise specified, they must be of mild steel and be of such sections and design, such that they serve the purpose adequately.

The Contractor shall get all the wood approved by ENGINEER, before taking permission of the Architect to apply paints, oils or otherwise treats wood work in anyway whatsoever.

All embedded parts of wood work shall be well painted with two coats of hot boiled tar or creosoted, as approved by the ENGINEER.

T.W.Doors And Windows:

Timber used for this work, shall be locally available second class teakwood, unless otherwise specified, and of approved quality and as per the sample approved by the ENGINEER. Hold fasts shall be embedded in concrete blocks, as shown in drawings or as directed.

For flush doors, shutters to be used shall be solid core of best approved make (BWP quality) with ISI mark, 30mm thick (unless otherwise specified) inclusive of either commercial ply, veneer or formica of approved shade and design/pattern on one or both sides as specified and shown in the drawings and shall be bonded with phenol Formaldehyde synthetic resin. If so specified, all flush shutters shall have teak wood lipping on all four sides, as directed, which shall be fixed at site. All solid core shutters shall generally confirm to IS 2202 (Part I) & (Part 2) :1983.

For full paneled doors, the shutters shall be of best quality factory made with ISI marking and to be approved by the ENGINEER and having panels of 19mm thick best approved make and quality marine ply, unless otherwise specified, and as shown in drawings or as directed.

The fixtures and fittings required for all the doors and windows shall be got approved from the Employer and Architect before placing the order. Any fixture found damaged or missing at the time of handing over shall be replaced by the contractor and surface of joinery made good as directed at no extra cost.

Glass:

All glass used in the doors, windows and ventilators etc., shall be of the best quality, free from specks, bubbles, smoke, veins, air holes, blisters and other defects. The kind of glass and its thickness shall be as mentioned in the item or as shown in detailed drawings or as ordered by the Architect. The glass shall generally confirm to I.S.1765.

Sheet glass shall be best quality of approved make plain/ground/frosted, and either 4mm or 5.0mm thick, as specified. For Bath/W.C. windows 3.8 to 4mm thick frosted glass shall have to be used as directed.

Mode Of Measurement For Doors And Windows:

Payment will be made for the area of opening in the masonry as per relevant ISI. The height of the door shall be measured from finished floor level to the bottom of lintel on the top.

Painting/polishing work:

Acrylic washable distemper:

Washable acrylic distemper shall be conforming to IS 2395 – 1 – 1966 and shall be of approved make and shade.

As required, single or double scaffolding shall be used. Ladders, if used, shall be tied with old gunny bags at top to prevent damage or scratches to the walls/floors etc.

The instructions of the manufacturer shall be followed regarding preparation of the manufacturer shall be followed regarding preparation of the surface and application of priming and finishing coats.

Waterproof Cement Paint:

The waterproof cement paint shall be of Super Snowcem or of any approved manufacture and it shall be of approved colour and shade. It shall be brought to site in original air tight containers with seals intact.

Double scaffolding and ladders shall be provided, if necessary, without damaging the wall surfaces to be painted.

The preparation of surface, mixing of paint and application shall be done as specified by the manufacturer.

Enamelled painting:

Materials:

The paint shall be of the specified colour and shade and of an approved make by the ENGINEER. The paint shall comply in all respects with relevant Indian Standard Codes.

The make and brand of the paint to be used on the work shall first be got approved by the ENGINEER. The material shall be obtained directly from the approved manufacturers or authorized dealers and brought to the site in the manufacturers drums etc., with seals unbroken.

Steel work (New):

Degreasing shall be done by either proprietary brands of approved solvent cleaner or by mineral turpentine or petroleum and other petroleum solvents, like trichlorethylenar alkali solutions or detergents as directed by the architects.

The de-rusting shall be done by manual scraping (by wire brushes, fine steel wool scraper, sand paper etc.) and/or mechanically by sand blasting, shot blasting or flame cleaning or chemical methods as approved by the ENGINEER.

Wood Work:

The surface to be painted shall be thoroughly dry, clean and smooth. It shall be sand papered with coarse medium grade sand papers and the finished surface shall be free from scratches.

Before applying primer, knots, if any, shall be covered with preparation of red lead made by grinding red lead in water and mixing with glue sized and used hot. The surface prepared for painting shall be dry before paint is applied. The holes and indentation on the surface shall be stopped with putty. Stopping shall not be done before the priming coat is applied.

Enamel Paint:

General specifications, preparation of surface and priming coat shall be same as specified for oil painting. Finishing shall be done in two coats or more as required with synthetic enamel paint of approved make and shade and shall generally conform to relevant I.S.codes.

For measurement of polishing/painting to joinery and steel work etc., multiplying coefficients, as in standard table shall, be as follows:

S.NO.	DESCRIPTION OF WORK	HOW MEASURED	COEFFICIENT
I.	<u>Wood Work – doors and windows etc:</u>		
1.	Panelled doors/windows.	Measured flat including frame.	1.30 (for each side).
2.	Flush doors	- do -	1.20 (for each side).
3.	Partly panelled and partly glazed or glazed doors/windows (for glazed portions only – for panelled portions as per 1 above).	- do -	1.00 (for each side).
4.	Fully venetioned or louvered doors/windows.	- do -	1.80 (for each side).
II.	<u>Steel Work – Doors and Windows:</u>		
1.	Fully glazed doors & windows.	Measured flat including frame.	0.50 (for each side).
2.	Plain sheeted steel door, windows.	- do -	1.10 (for each side)
3.	Collapsible gate.	Measured flat.	1.50 (for painting all over)
4.	Rolling shutters of interlocked laths.	-do- jamb guides bottom rails, locking arrangement included (top cover shall be measured separately)	1.10 for each side.
III.	<u>General work:</u>		
1.	Expanded metal, M.S. grill work, grating in guard bars, ballustrades, railing and partitions.	Measured flat.	1(for painting all over).
	R.C.C. grill.	- do -	1(for each side).

Specifications for water supply & sanitary works

Water supply:

G.I.Pipes and Sockets:

Materials:

The pipes shall be galvanised mild steel welded pipes and seamless, screwed and socketed tubes and conforming to the requirements of I.S.1239 – 1982.

The weights of GI pipes for various glasses and diameter are reproduced below:

Weight in Kg.per meter of common G.I. pipes of various dia (plain ends)

DIA	(LIGHT) “A” CLASS	(MEDIUM) “B” CLASS	(HEAVY) “C” CLASS
15	0.952	1.22	1.45
20	1.41	1.58	1.90
25	2.01	2.44	2.97
32	2.58	3.14	3.84
40	3.25	3.61	4.43
50	4.11	5.10	6.17
65	5.80	6.51	7.90

Pipe fittings:

The fittings shall be of malleable cast iron or mild steel tubes complying with all the appropriate requirements given in para 1.1.1. or as specified. The fittings shall be designated by the respective nominal bores of the pipes for which they are intended.

Internal work:

For all internal work the galvanized iron pipes and fittings shall run outside the surface of the walls or ceiling (not in chase), unless otherwise specified. The fixing shall be done by means of standard battern holder butt clamps, keeping the pipes about 1.5 cm clear of the wall. When it is found necessary to conceal the pipes, chasing may be adopted or pipes fixed in the ducts or recesses etc., provided there is sufficient space to work on the pipes with usual tools.

External work:

The galvanised iron pipes and fittings shall be laid in trenches. The widths and depths of the trenches for different diameters of the pipes shall be given as in the table below, and shall be deep enough to have a clear cover of atleast 400mm above the top of pipes.

Dia of Pipe	Width of trench	Depth of trench
15mm to 50mm	30 cm	60 cm
65mm to 100mm	45 cm	75 cm

At joints the trench width shall be widened where necessary. The work of excavation and refilling be done true to line and gradient.

The pipes shall be painted with two coats of anticorrosive bitumastic paint of approved quality. The pipes shall be surrounded with sand (The pipes shall be laid on a layer of 7.5 cm sand and filled with sand upto 15 cm above the pipes. Remaining portion of the trench shall then be filled with excavated earth) before the trenches are back filled with excavated earth.

Cast iron and Spun Iron Pipes and Fittings:

Materials:

Pipes and Specials:

The cast iron pipes shall conform to I.S. 1537 – 1967, while spun iron pipes shall conform to I.S. 1537 – 1967, while spun iron pipes shall conform to I.S. 1536 – 1976. The pipes shall be either with spigot and socket ends or flanged ends. The cast iron pipes shall be vertically cast, either class A or class B, as specified. The spun iron pipes, shall be of cast iron casted centrifugally and shall be of class LA, class A and class B, as specified in the item.

Specials:

The specials shall conform to I.S. 1538 (Parts 1 to 23): 1976 and shall be of medium or heavy class, as specified, depending on their thickness.

Masonry Chambers:

General:

All masonry chambers for stop cocks, shall be built as per supplied drawings.

Drainage:

Stone ware pipes:

All pipes with spigot and socket ends shall conform to IS 651 – 1980 and shall be of grade “A”. These shall be sound, free from visible defects such as fire cracks or hair cracks etc. The glaze of the pipes shall be free from crazing. The pipes shall give a sharp clear not when struck with a light hammer. There shall be no broken blisters or chipping. The approximate thickness of pipes shall be as given in the table below: (for pipes of 60 cm length only).

Internal diameter mm	Minimum thickness of the barrel and of socket in mm	Weight of each pipe per M in Kgs (minimum)
100	12	14
150	16	22

the length of pipes shall be about 65 or 75 or 90 cm, exclusive of the internal depth of the socket.

The pipes shall be handled with sufficient care, to avoid damage to them.

Laying of Stoneware pipes:

Para 2.2 “Trenches for C.I. pipes & specials” shall apply. All pipes shall be laid on a bed of 15 cm cement concrete 1:5:10 as specified, projecting on each side of the pipe to a width of 15 cm. The pipes shall be covered with 15 cm thick concrete 1:5:10 around the crown of the pipe and sloped off to meet the outer edges of the bed concrete to give a minimum thickness of 15cm. all round the pipe.

Sanitary Fixtures And Fittings:

Unless otherwise specified, the sanitary fixtures shall conform to following specifications:

Water closets (European type) shall be of vitreous china of approved pattern, quality and colour. The closet shall be fixed with C.P.brass screws in floor for floor mounted type, and mounted on C.I. chair brackets with bolts for wall mounted type and shall be provided with solid plastic seat and cover with chrome-plated pillar brass hangers as specified.

Indian pattern shall be of similar quality of specified above. The pan shall be 675/575mm in length with “S” or “P” trap of materials same as that of the pan. The W.C. with the trap shall be fitted and fixed in position and built round solid with brick and cement, to required level after all connections are made. The finished floor of the water closet shall be of 25mm below the level of the room or passage in front of it.

5. REQUIREMENTS

(i) The Service Provider is supposed to perform the following works:

Schedule of Quantities for Interior Works of Arogya shree- Office,At Jambagh,Hyderabad. Interior work					
Sr.No.	Item	Qty	Unit	Rate	Amount
	FURNITURE WORK				
1	TABLE-Godrej Brands				
a	Big cabinTable(6'-0 " x 2'- 6'')(T1)	12	No.	17,000	2,04,000
	Providing and fixing in position Big cubical Table of size 6'- 3" x 2'- 3" , by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members. fabricated CPU Stand/ ready made Keyboard tray shall be provided of approved model and make. Footrest made in 18mm ply as per dwg. with laminate on outer side and with conduit box with openable shutter.				
	Storage (1'-6"X1'-9") as per drawing shall be provided. Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
b	Big Cabin side table(3'-6" x 2'-6" x 1'-6'')(12nos)	120	Sq.ft	1,400	1,68,000
	Providing and fixing in position Cabin Side Table of size 3'-6"x1'-6"X2'-6" by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members.				

	Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
c	Big Cabin back table(7'-6" x 2'-6" x 1'-6")(12nos)	250	Sq.ft	1,400	3,50,000
	Providing and fixing in position Cabin Side Table of size 7250'-6"x1'-6"X2'-6" as per drawing no 10 , by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members.				
	Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
d	Cubical table(5'-0" x 2'-3")(T2)	8	No.	14,000	1,12,000

	Providing and fixing in position Cabin Table of size 5'x 2'-3" by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members. Telescopic CPU Stand/ ready made Keyboard tray shall be provided of approved model and make. Footrest made in 18mm ply as per dwg. with laminate on outer side and with conduit box with openable shutter.				
	Storage (1'-6"X1'-9") as per drawing shall be provided. Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
e	Cubical SideTable(1'-3" x 2'-9" x 2'-6"')(8nos)	30	Sq.ft	1,400	42,000
	Providing and fixing in position Cabin Side Table of size 3'-0"x2'-6"X 1'-3" by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members.				
	Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
f	Staff table (T3)		No.	18,000	

		120			21,60,000
	Providing and fixing in position Cabin Table of size 5'x 2'-3" as per drawing no 12 , by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members. Telescopic CPU Stand/ ready made Keyboard tray shall be provided of approved model and make. Footrest made in 18mm ply as per dwg. with laminate on outer side and with conduit box with openable shutter.				
	Storage (1'-3"X1'-9") as per drawing shall be provided. Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	Providing and fixing in position Staff Side Table of size 3'-0"x1'-3"X 2'-6" by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members.				
	Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
g	Meeting Table(5' x 3')(T4)	2	No.	18,000	36,000
	Providing and fixing in position Meeting table of size 5'-0"X 3'-0"X 2'-6" by using 18mm & 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members inclu. 2"X 2" supports clad with laminate as shown in the dwg, complete in all respects.				

	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
h	Conference table(8'-6" x 3'-6"')(T5)	1	No.	80,000	80,000
	Providing and fixing in position Conference table of size 8'-6"X 3'-6"X2'-6" by using 18mm & 12mm ply for 1-1/4" thk top and 12 mm thick plywood for all other horizontal and vertical members inclu. 4"X4" supports clad with laminate as shown in the dwg, complete in all respects.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
i	P.A. Table (T6)	2	Sq.ft	18,000	36,000
	Providing and fixing in position Table of size 5'-0"X2'- 6"X2'-6" as per drawing no 15 , by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members.				
	Drawer Fascia to be made in 18mm ply with laminate and sides & base of drawer is to be made in 12mm ply finished with white enamel paint. Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
j	Coffee Table		Sq.ft	4,000	

		4			16,000
	Providing and fixing in position Coffee Table of size 4'x 1'- 6" X2'-6" by using 18mm and 12mm ply for 1-1/4" thk top and 18 mm thick plywood for all other horizontal and vertical members.				
	Facia of Storage shall be made in 18mm ply finished with 1mm thick laminate as shown in the drawing and all other sides shall be finished with white enamel paint. Backing of the storage unit is to be made in 6mm ply with The Storage shall be provided with handles (Stainless Steel finish) and channels as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of table top & ply verticals to have 1"X1-1/4" T.W.lipping. All exposed T.W. sections to be to be melaminated and internal surfaces to have white enamel paint as directed. Item to include plywood boxing, all necessary hardware and fittings in Stainless Steel finish, lipping to all edges etc. complete in all respects.				
2	CHAIRS-Godrej Brand				
a	Cabin chair	12	No.	4,000	48,000
b	cubical chairs	24	No.	3,500	84,000
c	staff chairs	120	No.	2,500	3,00,000
d	conference/meeting chairs	100	No.	3,500	3,50,000
e	board chairs	20	No.	4,000	80,000
F	Dining chairs	25	No.	1,200	30,000
3	3-Seater sofa	1	no	24,000	24,000
4	2-Seater sofa	12	no	12,000	1,44,000
5	corner table/tepoy	6	no	3,500	21,000
6	TOTAL-(furniture work)				42,85,000

(ii) The Service Provider is supposed to perform the following works:

Schedule of Quantities for Interior Works of Arogya shree- Office,At Jambagh,Hyderabad. Interior work					
Sr.No.	Item	Qty	Unit	Rate	Amount
	FURNITURE WORK				
1	PARTITION				
i	Full ht partition(ht-9'-0'')(P1 & P2 Type)	3,600	Sq.ft	600	21,60,000
	Providing and fixing in position full height partly glazed Full Height Partition as shown in the drawing no 05 & 06 including door in frame work at 2' x 2' grid (horizontally and vertically) comprising of 2½" x 1½" T.W. Section and / or as per frame work shown in the drawings with 6mm plywood on both sides finished with 1 mm thick laminates of approved shade and colour as shown in drawings.(80 % GLASS AND 20% FORM WORK)				
	Item to include 12 mm thick glass with etching and frosting as per design and 2"x 2" T.W. member for door sides and glass sides and T.W. door frame to take 8 mm thick glass with etching and frosting.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade, and all exposed edges of T.W. sections to be finished in melamine polish of matching laminate colour as directed including all necessary Stainless Steel finish fittings/ hardware, door closers, Godrej locks and wood preservative paint etc. as approved by the Architect, complete in all respects.				
	(Note: In case of false ceiling, the vertical T.W. members to be fixed with pucca ceiling but the area of partition payable will be below the false ceiling only).				
ii	Low Ht. partition				
a	HT 4'-0''(P3 & P 4 Type)	1,000	Sqft	360	3,60,000

	Providing and fixing in position partly glazed low height partition (3" thick) of ht 4'-0" in frame work with T.W vertical members at 2' c/c and 3 horizontal members at equal distance comprising of 2-1/2" x 1 1/2" T.W. Section with 6 mm plywood on both sides finished with 1 mm thick laminates of approved make and shade as shown in drawing-07 & 08 , Item to include 8 mm thick glass (clear/frosted) to be fixed as shown in drawing. The exposed edges of the glass to be finished in mirror polish. T.W beading should be melamine polished in matching colour of laminate etc complete in all respect.				-
iii	Partition above 9' ht	800	Sq.ft	250	2,00,000
	Providing and fixing in position above 10' partition (3" thick) in frame work with T.W vertical members at 2' c/c and 3 horizontal members at equal distance comprising of 2-1/2" x 1 1/2" T.W. Section sides and , T.W runner should be polished in matching colour of laminate etc complete in all respect.				
	TOTAL				27,20,000
2	STORAGES-On site Execution				
a	Low Ht. Storage(4'-0")(deep1'-3")(S1)	200	Sq.ft	800	1,60,000
	Providing and fixing in position Low Height Storage of ht 2'-6" using 18mm Plywood finished with 1mm thick laminates as shown in the drawing and all other sides shall be finished with white enamel paint as detailed therein.Backing is to be made in 6mm ply finished with white enamel paint.				
	The Storage Units shall be provided with handles (Stainless Steel finish) as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade and all exposed edges of plywood to have 1" x 1/4" T.W.lipping. All exposed T.W. sections to be melaminated in matching colour laminate and internal surfaces to have white enamel paint as directed. Item to include all necessary hardware and fittings in Stainless Steel finish, Godrej multi purpose locks including magnetic ball catcher etc., complete in all respects.				
b	Low Ht. Storage (4'-0")(deep1'-6")(S2)	720	Sq.ft	1,000	7,20,000

	Providing and fixing in position Low Height Storage of ht 4'-0" using 18mm Plywood finished with 1mm thick laminates as shown in the drawing and all other sides shall be finished with white enamel paint as detailed therein.Backing is to be made in 6mm ply finished with white enamel paint.				
	The Storage Units shall be provided with handles (Stainless Steel finish) as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade and all exposed edges of plywood to have 1" x 1-1/4" T.W.lipping. All exposed T.W. sections to be melaminated in matching colour laminate and internal surfaces to have white enamel paint as directed. Item to include all necessary hardware and fittings in Stainless Steel finish, Godrej multi purpose locks including magnetic ball catcher etc., complete in all respects.				
C	Low Ht. Storage (5'-0") (deep2'-9")(S3)	150	Sq.ft	1,200	1,80,000
	Providing and fixing in position Low Height Storage of ht 5'-0" using 18mm Plywood finished with 1mm thick laminates as shown in the drawing and all other sides shall be finished with white enamel paint as detailed therein.Backing is to be made in 6mm ply finished with white enamel paint.				
	The Storage Units shall be provided with handles (Stainless Steel finish) as per approval of the Architect.				
	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade and all exposed edges of plywood to have 1" x 1-1/4" T.W.lipping. All exposed T.W. sections to be melaminated in matching colour laminate and internal surfaces to have white enamel paint as directed. Item to include all necessary hardware and fittings in Stainless Steel finish, Godrej multi purpose locks including magnetic ball catcher etc., complete in all respects.				
E	Storage below pantry platform(ht-2'-6")	75	Sq.ft	1,250	93,750
	Providing and fixing in position Storage(Credenza) using Marine Plywood of 18mm thickness finished with 1mm thick laminates as shown in the drawing and all other sides shall be finished with white enamel paint as detailed therein.				
	The Storage Units shall be provided with handles (Stainless Steel finish) as per approval of the Architect.				

	All exposed plywood surfaces to be finished with 1mm thk. laminate of approved make & shade and all exposed edges of plywood to have 1" x 1- 1/4" T.W.lipping. All exposed T.W. sections and lippings to be melaminated in matching colour laminate and all internal surfaces to have white enamel paint as directed. Item to include all necessary hardware and fittings in Stainless Steel finish, Godrej multi purpose locks including magnetic ball catcher etc., complete in all respects.				
	TOTAL				11,53,750
3	DOORS				
i	Entrance Door(4'0" x 7'-0") x 4	96	Sqft	1,000	96,000
	Providing & fixing 35mm thk commercial flush door including 1'X 5' , 12mm thk. glass inclu. T.W.Moulding for glass fixing, necessary hardware, heavy duty brass hinges, mortise lock, handles, floor springs, etc., complete inclu. melamine complete. Entire Door finished with 1.5mm thk laminate of approved shade & finish. The door shall have 12mm thk wooden beading all around and shall be finished with melamine polish. Complete with all necessary hardware like Mortise handle with lockbody of Doorset, Towerbolt, Aldrop, Tadipatti, Etc. all complete as directed.				
ii	Canteen door	48	Sqft	750	36,000
	Providing & fixing 35mm thk commercial flush door including 1'X 5' , 12mm thk. glass inclu. T.W.Moulding for glass fixing, necessary hardware, heavy duty brass hinges, mortise lock, handles, floor springs, etc., complete inclu. melamine complete. Entire Door finished with 1.5mm thk laminate of approved shade & finish. The door shall have 12mm thk wooden beading all around and shall be finished with melamine polish. Complete with all necessary hardware like Mortise handle with lockbody of Doorset, Towerbolt, Aldrop, Tadipatti, Etc. all complete as directed.				
iii	Toilet Door& Pantry Door (2'-6" x 7'-0")	94	Sqft	900	84,600

	Providing & fixing 35mm thk commercial flush door including necessary hardware, heavy duty brass hinges, mortise lock, handles, floor springs, etc., complete inclu. melamine complete. Entire Door finished with 1.5mm thk laminate of approved shade & finish. The door shall have 12mm thk wooden beading all around and shall be finished with melamine polish. Complete with all necessary hardware like Mortise handle with lockbody of Doorset, Towerbolt, Aldrop, Tadipatti, Etc. all complete as directed.				
	TOTAL				2,16,600
4	OTHER				
a	Main entrance door tratment	150	Sqft	750	1,12,500
	Providing and fixing in position Aluminium composite panel Boxing with PVDF coating & LDPE core laminated Eurobond / Altobond/ Alukbond Exterior Grade 4 mm thick with composite of (0.5mm-3mm-0.5mm) including fabrication for the same with aluminium sections, required hardware, silicon sealent (Dow Corning 789) masking tape, necessary scaffolding etc. as detailed in drawing , complete in all respects.				
c	Wall panelling	275	Sqft	750	2,06,250
	Providing and fixing in position panelling for walls made out with 12mm thk. Plywood fixed over 1" x 1" T.W batten frame and finished the exposed portion with with 1.5mm thk. Laminate of approved make & shade, with T.W. 1-1/2" x 1-1/2" half round moulding for exposed edges,providing necessary groves in laminate as directed. All exposed T.W.surfaces to be finished in melamine polish, etc.all complete as directed and as per drawing.				
e	Conference room panelling & screen	300	Sqft	750	2,25,000
	Providing and fixing in position panelling for walls made out with 6mm thk. Plywood fixed over 1 1/2" x 2 1/2" T.W batten frame and finished the exposed portion with with 1.5mm thk. Laminate of approved make & shade, with T.W. 1-1/2" x 1-1/2" half round moulding for exposed edges,providing necessary groves in laminate as directed. All exposed T.W.surfaces to be finished in melamine				

	polish, etc.all complete as directed and as per drawing.				
f	Coloumn boxing	750	Sqft	750	5,62,500
	Providing and fixing panelling of columns by using 12mm thk ply over 1"x1" T.W batten frame. The top of ply shall be covered with 1.5 mm lamination of approved make & shade.The corner of column shall be sealed with 1-1/2" x 1-1/2" T.W moulding finished with melamine polishing etc. all Complete as directed and as per drawing.				
g	Electrical conduits	2,000	rft	250	5,00,000
	Providing and fixing in position electrical conduit in 18mm thk ply & 12mm thk ply for front inclu. 1"x1" TW Battens for fixing as required, inclu. 1mm laminate for all exposed sides inclu. Necessary hardware, mirror screws, polishing, etc. complete.				
	TOTAL				16,06,250
5	MISCELLANEOUS WORK				
a	Vertical Blinds	3,000	Sq.ft	90	2,70,000
	Providing & fixing in position vertical blinds 4" wide of Vista levelor or Aerolux make of approved fabric including necessary fittings and fixtures etc. complete.				
b	Soft Boards/notice board	250	Sq.ft	450	1,12,500
	Providing & fixing in position Notice Boards with locking arrangement using 18mm thk ply for frame and 12mm thk soft board covered with Tapestry (Material range @ Rs.200/ Mtr.) as directed including 1"X3/4" T.W.Moulding for sides in melamine polish. All complete as per drawings.				
c	White Board	150	Sq.ft	450	67,500
	Providing and fixing in position Soft / Display Boards using 12mm thk. Plywood for back and 12mm thk. Soft board covered with Tapestry (Material Range about Rs.200/mtr.) as directed including 1" x 3/4" T.W. moulding for sides in melamine polish as directed.				

d	planter	20	no	1,000	20,000
	TOTAL				4,70,000
	False ceiling(Gypsum Grid ceiling)	16,000	Sqft	55	8,80,000
	Providing & fixing in position false ceiling in Gypboard 12 mm thk for horizontals & verticals fixed over G.I framework as per dwg.-02, as specified by india Gypsum Co. Ltd. with suspenders wherever required. Making necessary framework for ducting , if any, and necessary cutouts for light fittings , taping and finishing to proper line & level , including making of grooves & as directed etc . complete in all respect.				
b	False Ceiling (Armstrong)	3,000	Sqft	75	2,25,000
	Providing & fixing in position false ceiling in Armstrong 600 x 600 mm x 15/16 mm Dune Supreme RH 99 Prima tile with Tegular edge framework as specified by Armstrong Co. with suspenders wherever required. Making necessary framework for A.C. ducting, if any, and necessary cutouts for diffusers and light fittings, taping and finishing to proper line & level, including making grooves and trap doors for A.C unit in 18mm thick M.R. Grade Plywood with Stainless Steel hinges & locks with moulding 1” x 1” for edges including finishing with White Plastic Emulsion Paint etc. complete in all respect.				
	TOTAL				11,05,000
	TOTAL- (furniture work)				72,71,600

(iii) The Service Provider is supposed to perform the following works:

Schedule of Quantities for Interior Works of Aarogyasri- Office, Jambagh, Hyderabad - Civil Work					
Sr.No	Item	Qty	Unit	Rate	Amount
1	Toilet				
i	Flooring(1' x 1')(range 50/-)	60	Sq.ft	100	6,000
	Providing & fixing of 1'X1' cearmic tile (Range- Rs. 50/sft) (Kajaria or Johnson make) of approved shade over necessary levelling screed providing proper slops in the same in 1:6 cement mortar including filling of joints in white cement, curing etc. complete.				
ii	Dado(8"x12")	400	Sq.ft	85	34,000
	Providing & fixing of 8"x12" ceramic tile (Range- Rs. 50/sft) (Kajaria or Johnson make)of approved shade for dado including preparation of surface, fixing of tile in cement, filling of joint in white cement, curing, etc. complete.				
2	Dado at pantry	560	Sq.ft	85	47,600
	Providing & fixing of 8"x12" ceramic tile (Range- Rs. 50/sft) (Kajaria or Johnson make)of approved shade for dado including preparation of surface, fixing of tile in cement, filling of joint in white cement, curing, etc. complete.				
A	Granite Jobs:(range 150/-)				
i	Granite door frame	100	Rft	250	25,000
	Providing and laying approved quality polished granite stone (basic rate Rs. 150/sft) 20-25 mm thick for door frames in line and level as directed on. a bed of 1:6 cement mortar including cement float, filling joints with neat cement slurry curing, polishing, cleaning etc. complete with chamfering and edge polishing.				
ii	Granite Counter for WHB	15	Rft	350	5,250
	Providing & Fixing of Counter for WHB in Granite (Range upto -150/sft) with edge moulding and/ or 2" Facia in Granite as directed, including cutting of kadappa slab & granite slab to recieve basin. Stone slab to be embedded in to wall with proper groove, replastering, curing etc, complete.				

iii	Granite Counter for pantry	100	Rft	750	75,000
	Providing & Fixing of Counter for SINK in Granite (Range upto -150/sft) with edge moulding and/ or 2" Facia in Granite as directed, including cutting of kadappa slab & granite slab to receive sink. Stone slab to be embedded in to wall with proper groove, replastering, curing etc, complete.				
IV	Urinal Partition	6	no	2,500	15,000
	Providing & fixing of 4'-6" x 2'-0" granite vertical (Range upto Rs. 150/sft) with edge moulding & polishing and fixing the same in the wall with finishing etc, complete.				
B	SANITARY FITTINGS				
i	Wash Basin	4	No	10,000	40,000
	Providing and fixing counter Oval wash hand basin of Parryware make of(Range-2500/-) approved colour& size .All internal concealed plumbing for fitting with PVC connection, inlet, outlet & necessary drainage arrangement & connection to pipeline, etc. complete.				
ii	EWC Pan:	6	No	12,000	72,000
	Providing and fixing of EWC pan of Parryware make of (Range- 4500/-)approved colour & size including flush tank of Slimline make. Item to include all internal concealed G.I.Plumning and inlet, outlet & necessary drainage arrangement & connection to existing pipe line,etc. complete.				
iii	W.C for disable toilet	1	No	18,000	18,000
	Providing and fixing of disable toilet commode of Parryware make of (Range-4500/-)approved colour & size including flush tank of Slimline make. Item to include all internal concealed G.I.Plumning and inlet, outlet & necessary drainage arrangement & connection to existing pipe line,etc. complete.				
iv	Urinals	6	No	10,000	60,000
	Providing & fixing Urinals of Parryware make approved(Range- 3000/-) colour with all internal concealed plumbing & flush tank with necessary drainage arrangement and connection to existing pipeline etc, complete.				
C	PLUMBING				

a	Total internal G.I piping				
i	1 1/4" G.I pipe -C-class	175	Rft	250	43,750
	Providing and laying of 1 1/4" G.I pipe with all other G.I fittings(elbow,t,union,barrel, etc) and inlet, outlet & necessary drainage arrangement & connection to pipe line,etc. complete.				
ii	1/2" G.I pipe -C-class	335	Rft	200	67,000
	Providing and laying of 1/2" G.I pipe with all other G.I fittings(elbow,t,union,barrel, etc) and inlet, outlet & necessary drainage arrangement & connection to pipe line,etc. complete.				
iii	75 mm PVC Pipes	100	Rft	180	18,000
	Providing and laying of 75 mm PVC pipe with all other fittings(elbow,t,union,barrel, etc) and inlet, outlet & necessary drainage arrangement & connection to pipe line,etc. complete.				
iv	100 mm PVC Pipes	50	Rft	250	12,500
	Providing and laying of 100 mm PVC pipe with all other fittings(elbow,t,union,barrel, etc) and inlet, outlet & necessary drainage arrangement & connection to pipe line,etc. complete.				
b	Nahani Trap	10	No	750	7,500
	Providing and fixing of Nahani trap with Jali to external connection to the existing C.I.line, with finishing the gap between nahani trap & tile with cement, including fixing of nahani trap, S.S. jali with frame, etc. complete.				
c	Toilet Fixtures & fittings				
i	Towel rod	6	No	650	3,900
	Providing & fixing in position Towel rail of (Range-300/-) Jaquar make with necessary fixtures complete.				
ii	Piller cock	6	No	800	4,800
	Providing & fixing in position Piller cock of (Range 650/-)Jaquar Florentine series S.S.F finish make with all internal concealed plumbing for fitting with PVC connection, inlet, outlet & necessary drainage arrangement & connection to pipeline, etc. complete necessary fixtures complete.				
iii	Two way Bib Cock	7	No	1,200	8,400

	Providing & fixing in position Piller cock of (Range - 950/-)Jaquar Florentine series S.S.F finish make with all internal concealed plumbing for fitting with PVC connection, inlet, outlet & necessary drainage arrangement & connection to pipeline, etc. complete with necessary fixtures complete.necessary fixtures complete.				
iv	Health Faucet	7	No	900	6,300
	Providing & fixing in position Health Faucet of (Range -750/-)S.S.F finish Jaquar make with 1M Flexible Tube with Wall Hook with all necessary fixturesall internal concealed plumbing for fitting with PVC connection, inlet, outlet & necessary drainage arrangement & connection to pipeline, etc. complete with necessary fixtures complete. complete.				
v	Flush Valve	13	No	1500	19,500
	Providing & fixing in position Flush valve(Range - 2000/-) Dual Flow Concealed Type with control cock operation plate 40 mm size of S.S.F finish Jaquar make with all internal concealed plumbing for fitting with PVC connection, inlet, outlet & necessary drainage arrangement & connection to existing pipeline, etc. complete with necessary fixtures complete.				
vi	Seat Cover	7	No	1,100	7,700
	Providing & fixing in position offwhite coloured seat cover of paryware make with necessary fixtures complete.				
D	Painting				
i	Wall Painting (with staircase block)	8,760	sqft	20	1,75,200
	Providing and applying Luster paint of aproved shade ,make and colour in two coats including one coat of primer,putti filling,prepare surface,scaffolding, preparing the surface, primer,complete.				
ii	Ceiling Painting	14,650	sqft	18	2,63,700
	Providing and applying plastic emulsion paint of aproved make and colour in two coats including one coat of primer,putti filling,prepare surface,scaffolding, preparing the surface, primer,complete.				
iii	Texture paint	350	sqft	250	87,500

	Providing & applyind of Decorative paint (Range upto Rs.60/Sft.) with Rough plastered finish if required including scrapping, opening of existing cracks, filling up of "V" cracks with epoxy expandable putty to required depths, making good weak plastered/unplastered surfaces using plaster of paris wherever required, primer, palti & making good existing surface to recieve new paint including cleaning on completion of painting work.				
E	ENTRANCE CLADDING	200	sqft	1,500	3,00,000
	Providing and laying approved quality of exterior cladding tiles of approved make shade for cladding including preparation of surface, fixing of tile in cement, filling of joint in white cement, curing, etc. complete.				
F	DEMOLISTION WORK	1	job	25,000	25,000
	Removal 6" brick work(tiolet) as indicated in Drg. & directed, with carring away of debris as directed, etc. complete. as directed by the Architect.				
	Removal of existing internal & external plumbing(tiolet) as indicated in Drg. & directed, with carring away of debris as directed, etc. complete. as directed by the Architect.				
	Note: The contractor has to visit the site to confirm the scope of dismantling work before quoting the rate.				
G	New Brick work(6" brick work)	3500	sqft	120	4,20,000
	Providing Second class Burnt Brick masonary with convential / I.s type Bricks in cement mortor 1:6 in including skirting joints, raking out joints,watering and scaffolding.touch-up and finishing				
	Providing internal sanla cement plaster in cement mortar 1:4 with Neeru finish to concrete,stone or brick surface including base coat,keeping the surface of the base coat rough with wire brush scaffolding, cleaning and curing etc.complete at all heights, levels & floors.				
	Note: The contractor has to visit the site to confirm the scope of new brick work before quoting the rate.				
H	Water proofing for toilet	500	sqft	75	37,500
	provideing waterproofing bedding and plaster to sides of Toilet, W.C , 25 mm thick in C.M. 1: 3 including using 1 kg. of waterproof compound per bag of cement including leveling curing etc. complete				
I	Disable toilet set	1	set	20,000	20,000

	Providing & Fixing in position S.S. Stainless Steel rails(disable toilet set) of parryware make. Also item to be include , 2 1/2" dia & 1 1/2"dia S.S. PIPE & s.s. matt finish D- Bracket . Including all required hardware etc, complete in all respect.				
J	4-5 " thick B.B.M Wall as per specification sheet	500	sqft	100	50,000
K	Cement plaster with Lime rendering of wire mark for dadoing	500	sqft	40	20,000
L	TOTAL of 1-civil work				19,96,100

(iv) Drawings