

TENDER DOCUMENT

CIVIL AND ELECTRICAL WORKS FOR RENOVATION, UPGRADATION & MODERNISATION OF LABOUR ROOM PROJECT AT SUB CENTRE BAKANI (DISTRICT CHAMBA), REGIONAL HOSPITAL KEYLONG (DISTRICT L&SPITI) & DISTRICT HOSPITAL KULLU (DISTRICT KULLU ON TURNKEY BASIS)

AT

HIMACHAL PRADESH

**PROJECTS DIVISION,
HLL LIFECARE LTD,
CORPORATE HEAD OFFICE, POOJAPPURA,
THIRUVANANTHAPURAM – 695 012,
KERALA, INDIA
PHN: ++91 471 2354949, 2775588**

SEPTEMBER 2018

HLL LIFECARE LIMITED

(A Government of India Enterprise)
 Projects Division
 Corporate Head Office, Poojappura.P.O,
 Thiruvananthapuram – 695012,
 Kerala, India
 Phone: 0471- 2354949, 2775588

INVITATION FOR BIDS (IFB)

IFB No : HLL/CHO/PROJ/HCD/HP-LR/C&E/2018-19

Date : 10-09-2018

HLL Lifecare Limited (HLL), a Government of India Enterprise is in the process of Renovation, Upgradation & Modernization of Labour room. For the said project, sealed and super scribed bids are invited from competent and experienced Suppliers/Contractors who are capable to do the following work meeting the requirements as per our tender.

Sl. No	Brief Description of Item/Work	Qty	EMD/Location in Rs
1	Renovation, Upgradation & Modernization of Labour room at SC Bakani, DH Kullu & RH Keylong on turnkey basis. Schedule V enclosed.	3 locations	Rs 30,000/-

1. Qualification Criteria:

- a. Bidders should have minimum **Three years experience** in the relevant field. Documentary proof for the above eligibility criteria should be submitted along with the offer.
- b. Bidders, **for Labour Room at each location**, should have experience of having successfully completed within a period of last 3 years ending 31/01/2018 at least
 - i. One Civil & Electrical work of value not less than Rs 16 Lakhs
Or
 - ii. Two Civil & Electrical works, each of value not less than Rs 12 Lakhs
Or
 - iii. Three Civil & Electrical works, each of value not less than Rs 8 Lakhs

Note:- Copies of Work orders and Completion certificates issued by the Client/Authority concerned shall be submitted in proof of the same.

- c. Bidder should have satisfactorily completed at least one work for any Central/State Government Departments or Central/State PSU's or local bodies in the last three years ending 31/01/2018.

Note:- Copies of Work orders and Completion certificates issued by the Client/Authority concerned shall be submitted in proof of the same.

2. The eligible bidder shall quote for all the Schedules as per the Schedule V. The work shall be awarded to the Qualified bidder, who quotes the lowest amount for the corresponding Labour Rooms in total. If the bidder fails to quote for any of the schedule in the tender then their bid will be treated as non responsive.

3. The scheduled date for issue, receipt and opening of bids is as follows.

- a) Date of issue of tender document - 10-09-2018 onwards
b) Last date and time for receipt of bids - 19-09-2018 up to 15.00 Hrs.
c) Date and time of opening of bids - 19-09-2018, 15.30 Hrs.
d) Address for communication, receipt and place of opening of bids:

SENIOR MANAGER (PROJECTS),

Projects Division,

HLL Lifecare Limited (A Government of India Enterprise)

Corporate Head Office, Poojappura.P.O,

Thiruvananthapuram – 695012,

Kerala, India

Phn: 0471- 2354949, 2775588

E-mail: harikrishnankp@lifecarehll.com, choprojects@lifecarehll.com,

hcdcmo@lifecarehll.com

For any technical clarifications please contact : Mr. Bhuvaneshwaran (Project Manager)
Mob: 9788905803. Arun Prasad: DM (Procurement) Mob: 7824001037

4. The completed and sealed bid documents should be submitted to Senior Manager (Projects), in the above address along with the EMD. The outer cover should bear the Enquiry No, closing date and General description of item tendered, and the words "DO NOT OPEN BEFORE" 15.30 Hrs (IST) on ----- (Indicate the Closing Date). EMD shall be submitted in the form of demand draft drawn from a nationalized bank in favor of HLL Lifecare Limited payable at Thiruvananthapuram. Bids received after due date and time will be rejected. Any bid not accompanied by EMD will be rejected.
5. Bids will be opened in the presence of Bidders representative(s) who choose to attend on the specified date and time, at the office of HLL at the address given in Clause 3 (d) above.
6. In the event of the date specified for bid receipt and opening being declared as a closed holiday for the above purchaser's office, the due date for submission of bids and opening of bids will be the following working day at the appointed times.
7. HLL may, at its discretion, extend this deadline for submission of bids by amending the Bid Documents or any other reasons, in which case all rights and obligations of HLL and Bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

8. HLL will not be held responsible for the postal delay, if any, in the delivery of the bidding document or the non-receipt of the same. Bids sent by Telex/Fax/Telegraph will not be accepted.
9. The EMD should be enclosed in a separate envelope and super scribed as “EMD” and to be attached in the main cover.
10. SSI/MSME units interested in availing exemption from payment of EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC. But the party has to provide Security Deposit as per the tender conditions, if the work is awarded to them.
11. Even though the bidder meet the above qualifying criteria, they are subject to be disqualified if they have:

Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc...

12. The Bid must include the following information;
 - a. Enquiry No.
 - b. EMD
 - c. Promised Delivery/Completion Schedule
 - d. Price Schedule in Format For Quoting (Schedule V - for 3 locations)
 - e. All other documents/certificate/information as specified in the bid document.
13. In addition to the invitation for bids, the bidding documents include the following schedules.

Schedule I	-	Conditions of Contract
Schedule II	-	Acceptance Form
Schedule III	-	Capability Certificate
Schedule IV	-	Performance Statement
Schedule V	-	Schedule of Works (3 locations)
Schedule VI	-	Drawings
14. The company reserves the right to club or split the items of works, change the qualifying criteria at their discretion and to reject or cancel the Invitation for bids without assigning any reason thereof.

SENIOR MANAGER (PROJECTS)

SCHEDULE I

CONDITIONS OF CONTRACT

1) PRICE

The price quoted should be inclusive of all material cost, loading and unloading charges, all applicable taxes and other levies, insurance etc. The **Schedule of work** is enclosed as **Schedule V (for 3 locations)**.

Price quoted should be firm without any escalation till the order is completely executed.

2) TAXES/DUTIES/LEVIES

The contractor shall be entirely responsible for all applicable taxes including GST, duties, license fees etc. incurred until successful completion of contract.

3) ESCALATION

The rates quoted by the Contractor in the contract documents shall be final and shall not be subjected to any change due to the increase in works awarded or wages or inflation in the cost of materials or any other price variations due to any reason during the stipulated time period of the contract or during the extended time period of completion.

Rates quoted should be inclusive of all cost of materials, Tools/Equipments Labour Room or charges, conveyance to site, handling charges, loading and unloading charges, hiring charges, clearing of debris, statutory payments etc.

4) COMPLETION TIME

Time is the essence of the Contract. The total time allotted for completion of works in all respects for all the sites is 15 Days from the date of issue of the Letter Of Intent or Work Order. This stands clear irrespective of the number of Labour Room awarded to each Party.

5) PAYMENT TERMS

The contractor can submit two running account bills during the work period and payment made as below:

- a) 50% of the total value of work may be released upon the completion of 60 % of the work recommended by State In charge (P&S, HLL) and approved by Project Engineer (P&S, HLL)/ Manager (P&S, HLL).
- b) Balance 50% will be paid along with the final bill only after submission of Work Completion certificate issued by the concerned hospital and approved by Project Engineer (P&S, HLL)/ Manager (P&S, HLL).

5% amount of the Bill will be retained as retention money and will be released only after the Defect liability period of 12 months.

Final Bill to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded and certified jointly by State In Charge (P&S, HLL) and the Contractor 's representative, counter signed by Project Engineer (P&S, HLL)/ Manager (P&S, HLL). The work completion certificate will be issued by the concerned centres/hospitals and it is the responsibility of the contractor to collect the completion certificate certified by the concerned hospital authority & HLL authorities and submit to HLL for balance 50% payment

The running account bills are to be submitted detailing the work description, quantity and rate as per the Work Order. Payment will be made against actual measurements recorded and certified jointly by State in charge (P&S, HLL) and the Contractor's representative. For supply of capital items, duly certified delivery challan/supporting documents such as Warranty Certificates etc. shall be enclosed along with bill.

Tax Deduction: All statutory deductions like GST, Income Tax, Works Contract Tax, E.S.I., P.F. or any other government-imposed liabilities shall be borne by the Contractor (as applicable at the time of execution of job) and shall be deducted from each bill submitted by the Contractor.

6) SECURITY DEPOSIT

Simultaneously with the execution of the contract successful bidder shall furnish a Security deposit in the form of a Demand Draft from a nationalised bank drawn in favour of HLL Lifecare Limited, Thiruvananthapuram payable at Thiruvananthapuram or a Bank Guarantee from a nationalised bank, for an amount equal to 5% of the total contract value as Security Deposit for his faithful execution of contract. The Security deposit should be valid until successful completion of the contract and acceptance of the Equipment/works by the Purchaser/Owner and will be released after acceptance of the Equipment/works by the Purchaser/Owner. In case of a delay in the works the validity of security deposit shall be extended.

Within 10 days of the receipt of notification of award from the Purchaser/Owner; the successful Bidder shall furnish the security deposit in the form of a Demand Draft or Bank Guarantee in the security deposit form to be sent along with the Notification of Award.

Failure of the successful Bidder to accept the notification of award or submission of security deposit within the timeframe shall constitute sufficient grounds for the annulment of the award and forfeiture of the EMD, in which even the Purchaser/Owner may make the award to the next lowest evaluated bidder or call for new bids.

7) EARNEST MONEY

Each bid must be accompanied by E.M.D.

The EMD is required to protect the Purchaser/Owner against risk of Bidder's conduct, which would warrant the security's forfeiture.

- a. The EMD shall be in the form of cash deposit or demand draft from a nationalized bank drawn in favour of HLL Lifecare Limited, Thiruvananthapuram payable at Thiruvananthapuram.
- b. E.M.D. from unsuccessful bidders will be returned after the acceptance of order by the L1 party.
- c. In the case of successful bidder, the Earnest Money will be returned after signing the contract, and submission of Security Deposit, which they will have to offer for the faithful execution of the contract.

The EMD may be forfeited:

- (a) If a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bidding Document; or
- (b) In case of the successful Bidder, if the Bidder fails:
 - (i) to sign the Contract
 - (ii) to furnish security deposit

SSI/MSME units interested in availing exemption from payment of EMD should submit a valid copy of their registration certificate issued by the concerned DIC or NSIC.

8) INDEMNIFICATION CLAUSE

The Bidder shall indemnify and hold harmless the Owner/Purchaser from and against the below mentioned:

- i. All claims, demands, action, proceedings, losses, damages, liabilities, cost, charges, expenses or obligations that are occasioned or may occasion to HLL as a result of our non-payment of any statutory dues levied/leviable on the Contractor or the Contractor committing breach of any the rules, regulations, orders, directives, instructions that may be issued by any authority under various Laws, PF, ESI Acts and all other applicable Laws/Acts/Rules or any other Statute or Laws for the time being in force
- ii. Any damages, loss or expenses due to or resulting from any negligence or breach of duty on our part or on the part of Sub-Contractor/s, if any, servants or agents of the Bidder.
- iii. Claims, if any, of the employee or the Contractor and its Sub Contractor/s, under the Workmen's Compensation Act, 1923 and Employer's Liability Act 1938 or any other Laws rules and regulations in force for the time being in India and any acts replacing and/or amending the same or any of the same as may be in force at the time and under any law in respect of injuries to persons or property arising out of and in the course of the execution of the contract work and / or arising out of and in the course of employment of any workmen / employee.
- iv. Any non - compliance or improper compliance of statutes, rules and regulations which are applicable to HLL and also to the Contractor and to the employees , in respect of (a) Employees' Provident Fund and Miscellaneous Provision Act, 1952, (b) Employees State Insurance Act, 1948, (c) Minimum Wages Act, 1948 (d) Payment of Wages Act, 1936 (e) Bonus Act, 1965 (f) Workmen's

Compensation Act, 1923 and / or any other laws which may become applicable in respect of the Contract/ Agreement between HLL and the Bidder.

- v. Any Act or omission by us or our Sub-contractor/s, if any, our /their servants or agents which may involve any loss, damages, liability, civil or criminal action.
- vi. To protect against all claims for damage caused due to non-obtaining of insurance policy during the project period.

9) DEFECT LIABILITY PERIOD:

The defect liability period of the work shall be 12 months from the date of completion of the work and this date will start from successful completion and handing over. If any damage or defect occurs in the work during this period then the Contractor shall rectify the damage or defect at his own expense to the satisfaction of the Purchaser/Owner. If the Contractor fails to do so, then the Purchaser/Owner shall have the authority to get the work done by other means and the expenditure incurred shall be recovered from the Contractor.

Even if Inspection and/or tests are fully carried out by Purchaser/Owner or their representatives, the Contractor is not absolved to any degree of his responsibility to ensure that all equipment fabricated comply strictly with the requirements as per specifications given in the order, and the Purchaser/Owner shall be free to point out any defect till the defect liability period is over.

10) FORCE MAJEURE

- a. Neither the Contractor nor the Purchaser/Owner shall be considered in default in the performance of their obligations as per the Contract so long as such performance is prevented or delayed because of strikes, war, hostilities, revolution, civil commotion, epidemics, accidents, fire, cyclone, flood or because of any law and order proclamation, regulation or ordinance of Government or subdivision thereof or because of any act of God. The proof of existence of force majeure shall be provided by the party claiming it to the satisfaction of the other.
- b. The Contractor shall advise Purchaser/Owner initially by a Fax, followed by post, the beginning and end of any of the above causes of delay, failing which Purchaser/Owner shall not be liable to consider delays due to the above reasons. Notice as stated above should be given even in case where only the Contractor's bids are under the consideration of the Purchaser/Owner and no acceptance of the same has been given and detailed order issued.
- c. In the event of definite delay even if arising out of reasons due to force majeure, Purchaser/Owner shall have the right at their discretion to cancel the Order or part of the Order without any liability on their part to make any payment to the Contractor while reserving the right to claim refund of and any payment if advanced or paid to Contractor.

11) DELAY IN WORK EXECUTION DUE TO REASONS BEYOND CONTRACTOR'S CONTROL

Force majeure: If the execution of work is delayed due to force majeure, then Purchaser/Owner as per the affected period may extend the time period.

In case work is delayed due to non-availability of stores supplied by Owner or any decision by Owner holding the progress of work, the contractor then upon any such happening causing delay shall immediately but not later than 10 days, give notice thereof in writing to the Owner, but nevertheless use constantly his best effort to prevent or make good delay. The Owner may in his discretion grant such extension of time as may appear reasonable to him and the same shall be communicated to the contractor in writing and shall be final and binding on him and the contractor shall be bound to complete the work within such extended time.

12) LIQUIDATED DAMAGES FOR DELAYS

If the work is not completed and handed over to the Purchaser/Owner within the time stipulated in the Order, Purchaser/Owner may at their option, either (1) recover from the Contractor liquidated damages at the rate of 0.5 % of the total contract value for every day of delay, subject to a maximum of 10 % of the total contract value, or (2) at the risk and cost of the Contractor and without prejudice to the other remedies/rights as per the Contract, terminate the order wholly or partially and complete it themselves or reassign it to other contractors.

13) SPECIAL INSTRUCTIONS

The bidder shall visit the site before quoting for the work and also take their own assessments before quoting of bids.

The bidders shall quote for all the locations & all schedules in the tender document as per the Schedule V and his/her own eligibility as per the pre qualification criteria. The work shall be awarded to the Qualified bidder, who quotes the lowest amount in total. If the bidder fails to quote any of the schedule in the tender then their bid will be treated as non responsive.

All pages of the bid, except for un-amended printed literature shall be signed by the person or persons signing the bid. The seal of the company shall be stamped in all pages.

Bids shall be made in English. The bid shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Bidder, in which case such corrections shall be signed by the person or persons signing the bid.

To assist in the examination, evaluation and comparison of bids, the Owner may, at its discretion, ask the bidder for a clarification of its bid. The request for clarification and the response shall be in writing and no change in the rate or substance of the bid shall be sought, offered or permitted.

Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit

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price and quantity, the unit price shall prevail and the total price shall be calculated. If there is a discrepancy between the words and figures of unit price, the amount in words of unit price shall prevail.

Prior to the detailed evaluation, the Owner will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these clauses, a substantially responsive bid is one, which conforms to specifications and all the terms and conditions of the bidding documents without material deviation. The Owner's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

The Owner's determination as to the substantial responsiveness or otherwise of each bid or consideration of a minor informality or non-conformity or irregularity is final and conclusive.

The Owner reserves the right to negotiate with the lowest evaluated responsive bidder.

The Owner will award the Contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined as the lowest evaluated bid provided further that the Bidder is determined to be qualified to perform the Contract satisfactorily for the items offered.

Prior to the expiration of the period of bid validity, the Owner will notify the successful Bidder in writing by or cable or telex or fax, to be confirmed in writing by post, that its bid has been accepted. The notification of award may be sent in the form of Letter of Intent and/or Work order.

The signed acceptance of the notification of award by the Contractor will constitute a concluded contract.

The work should be carried out without causing any inconvenience to the public and shall ensure that no damages are caused to the existing site premises.

During the execution of work, the contractor or authorized representative should be present at site.

All Materials, Equipment's/ Tools required for the work should be arranged by the contractor and brought to site for the timely completion of the work.

The materials used shall be as per specification and of good quality.

The Contractor has to arrange necessary insurance coverage for the machine, workmen etc. deployed by him. He shall arrange all safety measures to protect his workmen and also the properties of HLL/Hospital Building. The work site safety of all employees, their ESI, PF etc will have to be borne by the contractor.

The work should be carried out in truly professional manner, neatly finished with proper line, level and plumb. Cleanliness and finishing of the job is of utmost importance. Hence the job should be done most carefully with best workmanship.

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For all finishing jobs samples should be approved from the Purchaser/Owner before completely executing the work.

The Purchaser/Owner should be immediately informed for any discrepancy in drawings, specifications and instructions in the execution of job before actual execution of particular item having discrepancy.

Any item found to be having been executed with poor workmanship then the Contractor shall have to rectify /reconstruct the work as specified by Purchaser/Owner. No extra charge will be admissible in such case. If CONTRACTORS fails to do so, the Purchaser/Owner reserved the right to rectify/reconstruct the work through some other agency at the expenses of Contractor.

The schedule of activities as submitted by the Contractor shall have to be strictly adhered to. Regular progress reports shall have to be submitted by the Contractor giving all details for monitoring of the schedule.

The Contractor shall make initial drawings/layouts (as per site conditions) and get it approved by HLL before execution.

Special care is to be taken for cleanliness of the site. After the end of day's work, the site should be cleaned immediately.

The Contractor shall have to co-operate with the agencies executing other works in the same area.

While executing the work, the Contractor shall ensure safety and security of the property of the Purchaser/Owner so as to avoid theft etc.

Measurement & Payment terms:

The method of measurement of completed work shall be in accordance with the standard measurement. Payment will be made on satisfactorily completion of work as per the order. Interim or running account bills shall be submitted by the contractor for the work executed on the basis of such recorded measurements in the format of HLL. All such interim payments shall be regarded as payment by way of advances against final payment only, and shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be rejected, removed, taken away and reconstructed or re erected. Any certificate given by the officer relating to the work done or materials delivered forming part of such payment, may be modified, or corrected by any subsequent such certificate(s) or by the final certificate and shall not by itself be conclusive evident that any work or material so which it relates is /are in accordance with the contract and certificate. Any such interim payment,/any part there of shall not in any respect conclude, determine or affect in any way powers of the engineer in charge under the contract or any of such payment s be treated as final settlement and adjustment of accounts or in any way vary or affect the contract.

If contractor is executing any extra items as per direction of Engineer in charge / Officer in charge, the rates shall be worked out as per the latest CPWD Schedule of Rates and in case, the item is not included in the CPWD schedule, the rate shall be arrived as per prevailing Market rates.

The Quantity shown in the schedule is an approximate estimated quantity. No rate revision will be entertained if the quantity increases/decreases due to the site condition while executing the work.

Water and Electricity: The contractor shall make his own arrangement for water and electricity required for the works. HLL will not be responsible for the supply of either electricity or water.

During the execution of work, the contractor or authorized representative/s at least one person having technical qualification should be present at site.

The contractor shall comply with by-laws and regulation of local and statutory authorities having jurisdiction over the work and shall be responsible for payment of all statutory fees and other charges and the giving and receiving of all necessary notices and the Owner shall be kept informed of the said compliances with by-laws, payment made, notices issued and received.

Electrical

The work shall be carried out by a contractor holding valid licence issued by the State Government/Competent Authority for carrying out installation work of all voltage classes involved, under direct supervision of the persons holding valid certificates issued or recognized by the state government/competent authority.

Final payment shall be paid only after clearing the site as per direction of Engineer-in-charge/ Officer in charge.

14) CORRESPONDENCE

All correspondence relating to this Order shall be in English, to:

SENIOR MANAGER (PROJECTS),
PROJECTS DIVISION,
HLL LIFECARE LIMITED (A Government of India Enterprise)
Corporate Head Office, Poojappura.P.O,
Thiruvananthapuram – 695012, Kerala, India
Phn: 0471- 2354949, 2775588
E-mail: choprojects@lifecarehll.com, harikrishnankp@lifecarehll.com
hcdcmo@lifecarehll.com

For any technical clarifications please contact : Mr. Bhuvaneshwaran (Project Manager) Mob: 9788905803. Arun Prasad: DM (Procurement) Mob: 7824001037

15) SETTLEMENT OF DISPUTES

Arbitration shall not be a means of settlement of any dispute or claim arising out of the contract relating to the work. Any disputes or difference arising between the parties with respect to the performance of any part of this agreement or anything connected therewith, etc shall as far as possible be mutually settled by the process of dialog and negotiation.

The Courts at Thiruvananthapuram alone shall have jurisdiction in respect of settlement of any matter arising out or in connection with the contract.

SCHEDULE II

ACCEPTANCE FORM

(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)

From

To

Senior Manager (Projects),
Projects Division,
HLL Lifecare Limited (A Government of India Enterprise)
Corporate Head Office, Poojappura.P.O,
Thiruvananthapuram – 695012,
Kerala, India
Phn: 0471- 2354949, 2775588
E-mail: harikrishnankp@lifecarehll.com, choprojects@lifecarehll.com

Dear Sir,

I / We, hereby offer to supply/construct/erect/install/commission the work as detailed in schedule/drawings hereto or such portion thereof as you may specify in the acceptance of Bid at the price given in the price bid and agree to hold this offer open till 90 days after the date of bid opening prescribed by the purchaser/Owner. I/We have understood the terms and conditions mentioned in the invitation for bid and Conditions of Contract furnished by you and have thoroughly examined the specifications quoted in the bid document/drawings hereto and are fully aware of the nature of the scope of work required and my/our offer is to comply strictly in accordance with the requirement and the terms and conditions mentioned above.

Yours faithfully,

SIGNATURE OF THE BIDDER

SCHEDULE III

CAPABILITY CERTIFICATE

(To be submitted in the letter pad of the firm indicating full name and address, telephone & fax numbers etc.)

I/We have the financial capability to execute the work and complete the same within the specified time period (6 weeks). The delay, if any, in taking measurements, certification of bills, submission of bills and release of payments will not affect the progress and completion of work. I have read all the terms and conditions of the tender document including payment terms and confirm my acceptance of the same.

SIGNATURE OF THE BIDDER WITH SEAL

SCHEDULE IV

PROFORMA FOR PERFORMANCE STATEMENT

Proforma for Performance Statement (for a period of last 3 years)

Name of the Tenderer:.....

Name & Address of the Tenderer / Service Provider:.....

Order placed by (Full Address of Company / Consignee)	Order No. and Date	Description and quantity of ordered work and service	Value of order	Date of Completion of Contract		Remarks indicating reasons for delay, if any	Have the works been satisfactorily completed? (Attach a documentary proof from the client)
				As per Contract	Actual		

We hereby certify that if at any time, information furnished by us is proved to be false or incorrect, we are liable for any action as deemed fit by the Company in addition to forfeiture of earnest money.

Signature and Seal of the Bidder

.....

SCHEDULE V

RENOVATION OF CIVIL & ELECTRICAL WORKS FOR SC BAKANI, DH KULLU & RH KEYLONG IN THE STATE OF HIMACHAL PRADESH

ABSTRACT PRICE BID

Site. No.	Location	Details	Amount Quoted (Rs)
1	Sub Centre, Bakani (District Chamba)	Civil Work	
		Electrical Work	
		GST___ %	
		Sub Total (a)	
2	District Hospital, Kullu (District Kullu)	Civil Work	
		Electrical Work	
		GST___ %	
		Sub Total (b)	
3	Regional Hospital, Keylong (District L& SPITI)	Civil Work	
		Electrical Work	
		GST___ %	
		Sub Total (c)	
Total Rs = Sub total (a+b+c)			

Total words in Rupees: _____

Bidder has to quote as per the Make/Brand specified in the BOQ, proposed to use for the project, and has to marks the Make/Brand in the quote / price schedule.

SEAL OF THE BIDDER

Date:

**SIGNATURE
NAME AND ADDRESS OF BIDDER**

1) SUB CENTRE. BAKANI (DISTRICT CHAMBA)

CIVIL WORKS

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	EARTH WORK				
1	<p>"Excavate foundation in all kinds of soil including soft rock except hard rock requiring blasting part return and fill in foundation and basement in layers not exceeding 15cm in depth including watering , breaking clods and consolidating, disposing and spreading surplus earth within the site upto 1.5m depth.(No extra shall be payable for working space)</p> <p>Tenderer to ensure proper dewatering and shoring methods to ensure all time dry condition. Any damages of sides of foundation or collapsing of soil from sides due to excessive water seepage or surface runoff or any other cause have to be replaced with quarry dust or Malaimann at no extra cost."</p>	1	CUM		
	TILE WORK				
2	<p>Providing and laying 600mm x 600mm from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.)</p> <p>The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.</p>	72.00	M.SQ		
3	<p>Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivalent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.</p>	21.00	M.SQ		

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
4	Providing and fixing 40mm thick Granite slab gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement :4 course sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc complete at all levels. Area of slab over 0.5 sqm	2.00	M.SQ		
FALSE CEILING					
5	Providing & Fixing of False ceiling shall be provided with Armstrong Lay in (Hot dipped galvanized steel) metal ceiling system 600 X 600 X 5 mm with standard perforation of 2.5 mm dia. (16% open space) and fleece with NRC of 70 & CAC 36 to be laid on Armstrong Grid system. Armstrong Orcal Lay in metal ceiling system consisting of 600 X 600 mm Lay in tiles of pre coated galvanized steel in 0.5 mm thickness in white colour with standard perforation of 2.5 mm dia. and open area of 16 %. The back of tiles should have black acoustical fleece with NRC of .70 & CAC 36 to be laid on Armstrong Grid system with 15 mm wide T section flanges Colour white having rotary stitching on the main Runner, 1200 mm & 600 mm cross Tees, fixed to the structural soffit by Butterfly clip hangers, suspension wires & anchor fasteners as per manufacturers specification. Suspension wires to be provided at every 600 mm c/c with two numbers ties on each anchor fastener, Perimeter trim of Trulok wall angle in white colour secured to wall at 450 mm maximum centers.	4.00	M.SQ		
PLASTERING					
8	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	7.00	M.SQ		
PAINTING					
11	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Alltek S/R putty and primer all complete as per manufacturers specifications to all interior faces of walls in all floors.	24.00	M.SQ		
12	Prepare surfaces and paint three coats of 'Apcolite Apex' paint of approved colour and manufacturer over approved primer to exterior faces of walls sunshades,facias,fins,drops etc all as per detailed manufacturer's specification at all floors.	QRO	M.SQ		
13	Prepare surfaces and paint with two coats of synthetic enamel paint of approved colour and manufacture over a coat of approved anticorrosive primer to iron work at all heights.	QRO	M.SQ		

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Prepare surfaces and paint two coats of Royal emulsion paint of approved colour over two coats of Alltek S/R putty and primer all complete as per manufacturers specifications to all interior faces of walls in all floors.	12.00	M.SQ		
CURTAIN WORK					
	1.Two range of curtain cloth – Type 1 - II.				
	2. Both for doors, windows and partions.				
	3. Assorted colours plain & prints				
	4.Stitched as per site/ size requirement				
	5.Minor modifications in stitching as per site/ size requirement				
	6.Preferred colour (Brown, Cream, Beige)				
	7.Curtain price (including cloth & curtain rod) to be quoted in Squire metre				
	8.Stitching for each curtain to be absorb in the price of the cloth generally 2 meters.				
	9.Fast colours, water wash				
	10.Fabric density Non Transparent Composition				
	11.Fabric of curtain shall be soft texture, great shading, drape effect and nice doobby.				
	12.The bracket shall be side mounted and front mounted as required				
	13.First rod mount is 3.5 inches from the wall.				
	14.Where curtain used as a partition/ long length, sufficient support from ceiling should be provided to avoid sagging.				
	15.Rate quoted for fully stitched Curtain with top nepha with punch holes after lining bucramreinforced with SS / PVC islets and lower nepha 200mm double turned.				
	Type -I (Surgical Curtain)				
	Curtain fabric weight shall be up to 275-300 (±5%) gsm Composition of fabric shall be polyester yarn I.E. 300 denier fast colour sink age shall be (±5%) Weft and warp shall be polyester / cotton polyester mix	15	M.SQ		
	Type - II (Window & Door Curtain)				
	Curtain fabric weight shall be up to 250-275 (±5%) gsm Composition of fabric shall be polyester yarn I.E. 300 denier fast colour sink age shall be (±5%) Weft and warp shall be polyester / cotton polyester mix	9	M.SQ		
MASONRY WORK					
1	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partions.				
1.1	In Ground Floor	1.00	M.SQ		
22	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well	1	CUM		

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.				
DISMANTLING AND PRE & POST CONSTRUCTION SITE CLEANING					
	Cleaning the site and removing debris with carriage of material by manual labour including loading ,unloading and stacking to municipal dumping ground beyond 50 m initial lead, for all leads including all lifts involved.	1	LS		
	Dismantling of any type of tiles/flooring work including striking of serviceable material and is of unserviceable materials with all leads and lift	48	SQM		
	Dismantling plastered Half brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	4.00	M.SQ		
14	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	1.00	M.CUBE		
21	Dismantling CP pipes GSW pipes and AC rain water pipes with fitting and clamps including stacking the materials with all lead and lift	4	RM		
15	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to municipal dumping ground beyond 50 m initial lead, for all leads including all lifts involved.	4	M.CUBE		
22	Dismantling doors, windows & C.S. windows shutter : Of area 3 sqm. including stacking the materials with all lead and lift	2	SQM		
REPAIR WORK					
	Special Repair Of Various Wooden window frames Including Polishing/ Painting And damaged wooden frame In Existing windows		LS		
1	Cleaning of entire roof before waterproofing application, complete with application of rust converter on rusted parts before application of the waterproofing membrane. Providing & laying water proofing treatment on roofs of slab by applying cement slurry mixed with water proofing cement compound Consisting of applying:	1.00	M.SQ		
PLUMBING					
SANITARYWARE AND CP FITTINGS					
	Note:1 Bidder may add items thought necessary at the end of this BOQ along with the quantities and rate.				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Note:2 Rates under Supply and Fixing will include (a). Cost of specified material with taxes and transpoting to site, (b). stacking and storing them at site, (c.) Lead and lift to convey the materials with in the site for installation of materials in their position as needed (d.) Cutting the masonry or concrete surfaces to facilitate fixing (e.) Restoring damaged portions to their original condition with supply of materials like cement, river sand, stone chips, brick etc. (f.) convey all the broken materials taken out of damaged portion within the toilet & shaft area by head load via staircase, to be dumped out of the work site for onward clearance by another agency (g.) all the works are to be carried out as per description mentioned against each item of work mentioned in schedule of quantities (h.) all tools and plants needed for the job to be brought in by the contractor at their cost including maintenance expenses, replacement at their cost wherever required – either in full or in part (i.) fixing materials like rackets, screws, bolts, nuts etc.				
	Supplying,installing,testing and commissioning of Parryware make cascade NXT range white/popular color wall mounted European Water closet with slim line dual flush cistern-"P" trap,Ultra solid seat cover with rubber buffers and flap including following accessories : brass screws with washer, pan connector, rag bolt/CI chair bracket with GI bolt and nuts etc.complete. Works including cutting and making good the walls /floor wherever required, including cost and conveyance of all materials to the site, all labour charges, all taxes etc., complete finished item of work and as directed by the SiteEngineer/Project In-Charge. The side gap between ewc mouth and pan connector to be filled with silicon sealant.				
	EWC-Wall mounted closet with"P"trap, Make- Parryware,Range-Cascade NXT,Model no-C0207				
	Seat cover-Range-ultra solid seat cover,model no-C8140				
	Slim line economy dual flush pvc cistern model no: C8109				
	Pan Connector,Cp/Pvc connection tube				
	Wallvit pan fittings-C8015				
	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053				
	Sumo Chair Brackets-Parryware-C8166				
	Providing and fixing of cascade NXT White color EWC Wallvit pan set	1	Set		
	Supplying,Storing,Leading, Installing,Testing and commissioning of White Color Rectangular Wash basin. Works including following accessories; 32mm dia CP brass waste coupling, 32mm dia CP brass bottle trap with extension pipe, 15mm dia CP brass Angle valve, CP connections tupe, CP extention nipple, CP wall flange, Fisher bolt/Rag bolt, and necessary all hardware materials like brass screws, washer and nuts				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	etc. complete. Works including necessary cutting and making finishing the wall and floors wherever required etc. complete.				
	Rectangular Wash basin -Parryware-Indus range-Size-550x450,model no:0471				
	CP waste coupling - Jaquar - Allied -Model no:705/709cp				
	CP Pillar cock with Auto closing system - PRS-031				
	CP bottle trap - Jaquar - Allied -Model no:769cp				
	15mm cp brass angular stop cock with wall flange- Jaquar - Continental-model no-CON-053				
	Cp connection tube,Rag bolt/bracket for basin				
	Providing and fixing of White color Rectangular wash basin set	QRO	Set		
	Supplying,Storing,Leading, Installing,Testing and commissioning of White Color Under Counter Oval Wash basin . Works including following accessories; 32mm dia CP brass waste coupling, 32mm dia CP brass bottle trap with extension pipe, 15mm dia CP brass Angle valve, CP connections tupe, CP extention nipple, CP wall flange, basin brackets, and necessary all hardware materials like brass screws, washer etc. complete. Works including necessary cutting and making finishing the wall and floors wherever required etc. complete.				
	Oval Wash basin - Parryware - Cascade NXT - Size-550x450, model no: C0407				
	CP waste coupling - Jaquar - Allied -Model no:705/709cp				
	CP Pillar cock with Auto closing system - PRS-031				
	CP bottle trap - Jaquar - Allied -Model no:769cp				
	15mm cp brass angular stop cock with wall flange- Jaquar - Continental-model no-CON-053				
	Cp connection tube,Sumo bracket for basin				
	Providing and fixing of White Color Oval wash basin set	1	Set		
	Supplying and fixing of 15mm CP Pillar cock with Auto closing system for wash trough & etc. complete.				
	Jaquar-Pressmatic tap-model no:031	QRO	Each		
	Supplying and fixing 15mm CP Hand wash tap for wash basin (Floor mounted type) etc. complete.				
	Jaquar-florentine-model no:5357	QRO	Each		
	Supplying, Storing, leading ,installing,testing and commissioning Stainless steel sink with waste coupling - Single bowl with single drain board manufactured from high quality premium SS304 stainless steel, supporting bracket with screws etc.complete.Works including cutting and making good the walls /floor wherever required, including cost and conveyance of all materials to the site, all labour charges, all taxes etc., complete, finished item of work and as directed by the SiteEngineer/ In-Charge.				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	a)SS sink with Singlebowl with drain board-40"X20"-Bowl size:20"X16"X8"- Parryware-model no:8531,	QRO	Each		
	Supplying and fixing 15mm CP brass Sink cock with regular swinging spout(wall mounted) etc.complete				
	Sink cock-Jaquar-Florentine-model no:5347cp	QRO	Each		
	Supplying,installing, testing and commissioning of white color New magnum urinal with integrated spreader with cp connection pipe and elbow & nipple, waste coupling, 32mm bottle trap ,Fisher bolts/brackets,washers, screws etc.complete. Works including cutting and making good the walls /floor wherever required, cost including of conveyance of all materials to the site, all labour charges, complete.etc.complete				
	New magnum urinal - Parryware- 590x400x390 model no:0575				
	Parryware-Urinal spreader-C8095cp				
	Jaquar-Urinal Valve Auto Closing System with in built control cock-model no:077 cp				
	CP bottle trap,CP waste coupling - Jaquar - Allied-Model no:769,705/709				
	CP connection pipe,elbow & nipple				
	Providing and fixing of White Color New magnum Urinal set	QRO	Each		
	Supplying,installing,testing and commissioning of 15mm CP angle valve with flange including necessary screws for aqua guard etc.complete.				
	Angle valve-Jaquar-Continental-model no:053cp	QRO	Each		
	Supplying and fixing of CP brass angular stop cock with Health Faucet and 1 m flexible tube with wall hook,screws etc.complete.				
	Jaquar-Allied-model no:573cp				
	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053	2	Set		
	Supplying and fixing 15mm CP Long body bib tap with flange for janitor closet areas etc. complete.				
	Jaquar-continental-model no:107	QRO	Each		
	Supplying and fixing of Jaquar make 15mm CP short body bib tap with flange for ewc closet areas etc. complete.				
	CP Short body bib tap-Jaquar-Continental range-model no:037	QRO	Each		
	Supplying,instaling,testing and commissioning of electric water heater with CP angle valve, Conection tube swith wall flange, clamped to the wall etc. complete				
	30lit.capacity water heater-Racold ariston model-fibre body				
	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053	QRO	Each		
	Supplying and fixing Compact hand towell dispenser,accomadates 150 towels (Kimberly clark make) for wash basin fixing with necessary screws etc., complete				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Compact towell dispenser(Pearl white)-01132;size-270X190X115mm				
	Kleenex multi fold towels-01221,1 packet=125 sheets	QRO	Each		
	Supplying and fixing of Jaquar make Soap dispenser with glass bottle for wash basin areas etc. complete.				
	Soap dispenser with glass bottle-Jaquar-Continental range-model no:ACN-1135N	1	Each		
	Supplying and fixing of Jaquar make cp Double coat hook fixing with necessary screws etc., complete				
	Jaquar-Kubix-model no:ACN-35761	1	Each		
	Supplying and fixing exposed type Toilet paper holder with out flap fixing with necessary screws etc., complete				
	Jaquar-continental-model no:1151N-cp	1	Each		
	Supplying and fixing cp Towel ring- fixing with necessary screws etc., complete				
	Jaquar-Continental-model no:1121BN	1	Each		
	Supplying and fixing cp Towel rod- fixing with necessary screws etc., complete				
	Jaquar-Continental-model no:1111cp	QRO	Each		
	Supplying, fixing and commissioning of Urinal Granite partition allround polished of size 450x900x18mm/20mm thick,(shape as per architectural drg)using 2 nos ss clamps embedded in 150 x 150 PCC pocket etc.complete	QRO	Each		
	Supplying and fixing of approved make 6mm thick mirror- 450 x 750 mm size for wash trough areas - with Teak wood frame and water proofed plywood backing, including polishing etc. complete	1	Each		
	<u>INTERNAL DRAINAGE SYSTEM</u>				
	Rates under Supply and Fixing will include (a). Cost of specified material with taxes and transpoting to site, (b). stacking and storing them at site, (c.) Lead and lift to convey the materials with in the site for installation of materials in their position as needed (d.) Cutting the masonry or concrete surfaces to facilitate fixing (e.) Restoring damaged portions to their original condition with supply of materials like cement, river sand, stone chips, brick etc. (f.) convey all the broken materials taken out of damaged portion within the toilet & shaft area by head load via staircase, to be dumped out of the work site for onward clearance by another agency (g.) all the works are to be carried out as per description mentioned against each item of work mentioned in schedule of quantities (h.) all tools and plants needed for the job to be brought in by the contractor at their cost including maintenance expenses, replacement at their cost wherever required – either in full or in part (i.) fixing materials like rackets, screws, bolts, nuts etc.				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying, fixing and testing of approved make of 10kg PVC pipes confirming to IS 4985-2000. and fittings (moulded and fabriacted fittings) such as tee, elbow, 'y' , coupler, etc confirming to IS 7834 with latest amendment for soil and waste pipe works in toilets and utility area,basement storm water drain etc. Pipes shall be laid in sunken floors as per approved drawings with gradient mentined in the drawings with proper brick pedestal supprot. For laying the pipes in walls, before chasing, the pipe line routing shall be marked using chalk line with help of tupe level, wall cutting shall be done using wall cutting machine, and chasing to be done using electric jack hammer machine. Cutting and chasing with hammer shall not be permitteted. Pipes and fittings shall be cleaned with pipe cleaners and joined by approved approved make solvent cement. After laying the pipes, before cloasing tthe pipes, gravity test to be conducted and got the approval from the site engineers. chased portitions shall be covered with cement mortar. Work includes making required size holes in brick walls wherever necessary and re do same with water proofing components to the entire satisfaction of site engineer.etc complete. All the stub outs shall be closed with proper end caps till of installation of sanitraywares and accessories etc. complete.				
	40mm dia Sch-80 upvc pipe for flush valve drain	2	RM		
	40mm dia	2	RM		
	50mm dia	6	RM		
	63mm dia	QRO	RM		
	Supplying, fixing and testing of approved make of SWR - B- Class PVC pipes and fittings confirming to IS 13592-1992. and fittings (avialable fittings in market and fabriacted fittings) such as tee, elbow, 'y' , coupler, etc. confiming to 14735 with latest amendment for soil and waste pipe works in toilets and utility area,etc. Pipes shall be laid in sunken for all floor toilets as per approved drawings with gradient mentined in the drawings with proper supprot.Wall cutting shall be done using wall cutting machine, and chasing to be done using electric jack hammer machine. Cutting and chasing with hammer shall not be permitteted. Pipes and fittings shall be cleaned with pipe cleaners and joined by approved approved make solvent cement. After laying the pipes, before cloasing the pipes, gravity test to be conducted and got the approval from the site engineers. chased portitions shall be covered with cement mortar. Work includes making required size holes in brick walls wherever necessary and re do same with water proofing components to the entire satisfaction of site engineer.etc complete. All the stub outs shall be closed with proper end caps till of installation of sanitraywares and accessories etc. complete.				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	75mm dia	1	RM		
	110mm dia	6	RM		
	Providing and Laying Plain cement concrete (1:4:8) encasing for internal pipes laid in sunken floor, 100mm thick around the pipes with the help of necessary wooden shuttering etc. complete.				
	75 to 110mm dia	QRO	M3		
	Fabricating, supplying, and fixing of Truebore make 4mm wall thickness uPVC Floor traps, made out of 110mm dia PVC Pipe with single or multiple inlets of size 40mm to 75mm dia. (boss tee connections), outlets of sizes 63 mm to 75mm, with min. 2" water seal, fixing in position, using cement concrete 100 mm around to full depth of trap/suspended in ceiling level with proper supports, including providing FRP matting at bottom, inlet and outlet etc, complete.	2	Each		
	Supplying, fixing and testing of PVC 'P' trap 110mm dia extension boss tee arrangements with female thread fix with the Stainless steel heavy duty clean out in male thread with gasket and three ss screws/PVC heavy duty clean out for urinals, etc., complete	2	Nos		
	Supplying, fixing and testing of Heavy duty Floor Clean Out which are provided in floors slab , with female thread fix with the SS/Pvc heavy duty clean out plug in male thread with gasket and 110mm dia boss tee arrangements etc. complete				
	75 mm dia	1	Nos		
	110 mm dia	1	Nos		
	Drilling with core cutting in RCC beams, slabs, floors etc., for laying pipes and rendering the same in RCC 1:2:4, finishing the same to the satisfaction of the Owner or his authorized representative etc., including nominal reinforcement where ever required, complete. The quoted rate shall also include for providing EPOXY based water proofing compound for sealing the joints around the pipes. Core cut shall be done using rebar detector after getting the approval from the structural consultant..				
	a) RCC beams				
	25mm dia upto 50 mm	QRO	Each		
	50mm dia upto 110 mm	QRO	Each		
	110mm dia. upto 160 mm	QRO	Each		
	160mm upto 250mm	QRO	Each		
	Fabricating brackets using Mild Steel flats or angles, cutting, welding, forming shapes, providing hot dip galvanizing for brackets, cutting pockets in masonry / concrete surfaces, grouting brackets in concrete of 1:2:4 mix, restoring the damaged portion to their original condition required materials etc. complete.	100	Kg		

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying and fixing of pvc grating of approved make, fixed over the floor trap. Works including cleaning of floor traps before fixing the gratings. While fixing the gratings, flooring should be cut to required size of grating, (not more than 2mm of the grating sizes) using tile cutter etc. complete. The gap should be filled with colored white cement to match the flooring colour. The colour and shape of the gratings shall be got the approval from the architects/consultants	3	Each		
	Supplying and fixing of Chilly make CP Anti cockroach floor trap gratings which consist floor drain grating, inner filter and outfilter and rim , fixed over the floor trap. Works including cleaning of floor traps before fixing the gratings. While fixing the gratings, flooring should be cut to required size of grating, (not more than 2mm of the grating sizes) using tile cutter etc. complete. The gap should be filled with colored white cement to match the flooring colour. The colour and shape of the gratings shall be got the approval from the architects/consultants. To avoid damage of the cp gratings, acid cleaning of flooring shall be done before fixing of gratings.	QRO	Each		
	<u>WATER SUPPLY SYSTEM</u>				
	<u>(Internal water supply with in Toilet)</u>				
	Supplying, fixing and testing of approved make uPVC pipe - SCH 80 grade-pipes and same fittings. Using Schedule-80 pipes are confirming to ASTM D-1785 and SCH-80 fittings are confirming to ASTM D-2467, Solvent cement is confirming to ASTM D 2564 , for Domestic water supply within the toilets areas, kitchen and pantry areas - Concealing in walls & ledge walls, with necessary fittings such as tee, elbow, union, nipple. including brass moulded fittings, brass male/female adapters etc., including cutting and jointing using uPVC solvent cement as per manufacturer's recommendation, chasing the wall and fixing the pipe with proper clamp supports, redoing the same, and fixed properly, ceiling level and running in sunken floor level with proper pipe supports etc. complete. Works also include to provide bitumen painted hessian cloth insulation on buried pipes etc...complete. Works to include necessary identification marks, flow direction marks on the pipes which are visible, exposed lines. Pipes mounted on the necessary paver block supports, refilling by sand etc complete. Works include excavation in all sorts of soils, laying the pipe, provide sand cushion all around the pipes, and refilling the same.				
	Internal water supply:				
	Making of water supply pipes connected with the fittings by uPVC solvent cement as per the drawing routing, pipes chasing in the wall, running in sunken floors/suspended in ceiling level with proper clamp pipe Supports with in the toilets, kitchen, pantry, hand				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	wash,plate wash and service areas.Works including cutting in the wall,floors and necessary areas and refilling the same.				
	Testing:				
	All water supply pipes undergo testing to withstand the necessary hydraulic pressure (7 kg/cm ²) for 24 hr etc complete.				
	3/4"dia (ID)	6	RM		
	1"dia (ID)	6	RM		
	1 1/4"dia (ID)	6	RM		
	1 1/2"dia (ID)	QRO	RM		
	Supplying, fixing and testing of approved make hot forged and sand blasted Brass ball valve with full port,Silicon free,double viton O-ring stem seal,Dacrotized carbon steel handle and nickel plated stem,teflon ball seat on both sides,forged brass hard chrome plated steel ball tested to a pressure not less than 15kg/sqcm with threaded / flanged joints complete with nuts, bolts,gaskets,washers,mta and union etc complete.				
	20mm dia	0	Each		
	25mm dia	1	Each		
	32mm dia	1	Each		
	40mm dia	QRO	Each		
	Supplying,fixing of approved make Brass 'Y' strainer on delivery line with necessary accessories etc., complete				
	50mm dia	QRO	Each		
	Supplying, fixing and testing of approved make C.I Wafer type Check valve etc.complete				
	40mm dia	QRO	Each		
	Fabricating and fixing pipe inserts with water bar making in Sch-80 pvc pipe 5mm thick, Pvc square plate around 1" of pipe perimeter to over head water tank etc. complete				
	25mm dia	QRO	Each		
	40mm dia	QRO	Each		
	50mm dia	QRO	Each		
	65mm dia	QRO	Each		
	EXTERNAL DRAINAGE & WATER SUPPLY				

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying, laying, testing and commissioning approved make of SWR PVC- B Class pipe for 75/110/160 mm dia confirming to IS 13592-1992 and 6kg UPVC Pipes for 200/250/315/400 mm dia confirming to IS 4985 - 2000 for underground drainage and sewerage systems - pipes in trenches to required gradients and burried in ground level etc., complete. Rates to include excavation in all kinds/types of soils including hard laterites but except hardrock for laying pipes,,forming bottom surface to required level, refilling selected excavated earth around the encasing, watering, consolidating and disposing off the surplus earth with in the site or as directed by the site engineer etc., Works included pumping out water from trenches with shoring wherever necessary.External sewage pipes are burried in ground level from inspection chamber to inspection chamber,finally goes to sewage collection well.Using solvent cement joints for jointing the pipes with fittings like coupler,elbow,bend and fabricated fittings etc complete.				
	110mm dia - 500 to 1000 depth	10	RM		
	160mm dia - 500 to 1000 depth	1	RM		
	160mm dia - 1000 to 1500 depth	QRO	RM		
	160mm dia - 1500 to 2000 depth	QRO	RM		
	Providing pcc encasing for all external pipes with laying cement concrete 1:3:6 mix using 6mm jelly casing all round the pipes etc., complete				
	110mm to 160mm dia	1	RM		
	Construction of inspection chambers in brick work as per the following specification.Earth work excavation in all type of soil except hard rock with initial lead and lift, river sand filling, P.C.C.1:4:8 for foundation using 40 mm metal jelly, R.C.C.1:1.5:3 using 20 mm metal jelly for foundation bed concrete thickness as per the drawing, Brick work in CM 1:4 mix for walls thickness as per the drawing given,work including scaffolding ,shuttering charges for all R.C.C.works, wall plastering with CM 1:3, mix 15 mm thick for inside and outside wall.bed benching with P.C.C.1:2:4 mix using 20 mm metal jelly,thickness as per the drawing given.over the bed benching water proof compound mix plastering in CM 1:3 , 15 mm thickness.				
	Necessary cover slab to be laid in R.C.C.1:1.5:3,with manhole cover provision (SFRC cover-600X600 Heavy duty and 600 dia Round heavy duty), P.V.C.insulated footrest to be provided 300 mm c/c as per the drawing.Reinforcement for R.C.C.bed and wall is 12 mm TMT bars 150 mm C/C on both ways and both faces of concrete.Earth backfilling to be done after completion of all works with selected earth with water consolidation.				
	450x450 depth upto 1000 from the Formed Ground level as shown in the drawing	QRO	Each		

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	600x600 depth upto 1000 from the Formed Ground level or Finished Road level as shown in the drawing	QRO	Each		
	900x600 depth from 1000 to 1500 from the Formed Ground level or Finished Road level as shown in the drawing	QRO	Each		
	900x750 depth from 1500 to 2000 from the Formed Ground level or Finished Road level as shown in the drawing	QRO	Each		
	Construction of gully chamber with pvc gully with CI grating set in 75mm thick PCC1;4;8bed, in 115mm thick masonry chamber in CM 1:4, internal and external plastering 12mm thick in CM1:6, supply and fixing 300x300 SFRC cover slab and frame, including excavating, refilling etc., complete				
	300x300	QRO	Each		
	Construction of Oil & Crease chamber with best quality bricks to 230mm thick in CM1:4 over a bed of 200mm thick PCC 1:4:8, wall plastered CM1:3 inside and out side, including 700X550x50mm thick, RCC baffle wall, provide 575x575x300 perforated bucket mady by Pvc, as shown in detail drawings, provide 6mm MS chequered plate cover in two pieces with lifting hook fixed on 40x40x5 MS frame, encapsulated rungs, necessary excavation and refilling etc.complete				
	size 1750x600x600 (liquid depth)	QRO	Each		
	Making connection to the Existing sewer line ,works including necessary pipes, fittings, and cutting the wall of existing IC and making good the road after connection.	1	LS		
	Constructing brick masonry chamber (for housing valves,meters etc) of brick work with bricks of class 75 with cement mortar 1:5(1 cement:5 fine sand) plastering internal face with cement mortar 1:3(1 cement:3 fine sand) and rough plaster on outer face with a floating coat of neat cement.R.C.C top slab with medium duty SFRC cover of 600X600mm size.Including excavation, dewatering, refilling,watering, ramming and removing the surplus excavated material complete as required.(All sizes are clear internal sizes)				
	600x600 depth upto 1000	QRO	Nos		
	900x800 depth upto 1000	QRO	Nos		
	Supplying, laying ,fixing and testing of approved make uPVC - SCH-80 of High Pressure upvc Domestic Water Supply System with same specials like coupler elbow ,bend and Tee etc complete.Using sovent cement for jointing pipes and specials etc.complete. pipes burried in the ground level, .. (cost including earth work excavation)				
	1"dia (ID)	7	RM		
	1 1/4"dia (ID)	1	RM		
	1 1/2"dia (ID)	QRO	RM		

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Making connection to the External main water line of dws, fws , works including necessary pipes, fittings, and cutting the main road/landscaped area and making good the road after connection.	1	Each		
ALUMINUM WORK					
6	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For fixed portion. Anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15). The rate should also includes providing PU sealent in both inside and outside	0.05	MT		
	S/F 100mm brass lock for aluminium door including necessary cutting and making good etc. complete	1.00	EACH		
	Providing and fixing aluminium tower bolts (100*10mm) ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	4.00	EACH		
	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in- Charge. (Cost of aluminum snap beading shall be paid in basic item): With float glass panes of 5.5 mm thickness.	16.00	SQM		
	Providing and fixing aluminum extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight up to 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete	QRO	EACH		
	Providing and fixing aluminum tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc. complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminum tubular handle bar	4.00	EACH		
	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. With twin rubber stopper	4.00	EACH		

Sl. No.	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With Brass cover Plate	QRO	EACH		
	P/F IS : 3564 marked Aluminium die cast tubular type universal hydraulic door closer complete. <u>x000D</u>	4.00	EACH		
	Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-inCharge. Pre-laminated particle board with decorative lamination on both sides	4.00	SQM		
	Total Rate in RS.				
	GST @ 18% in Rs.				
	Grand total in RS.				

ELECTRICAL WORKS

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
1	Point wiring in PVC conduit with modular type switch. Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	Point	0		
2	Wiring through PVC conduit Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.				
	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	90		
	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	150		
	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	125		
3	A/C point S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Point	1		
4	Modular boxes, bases & cover plate: Supplying and fixing following size/modules, PVC box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand))				
	3 module	Each	4		
	6 module	Each	7		
5	Modular type blanking plate: Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	10		
6	Modular type switch/socket: Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required.(Make: Legrand))				
	5/6 Amps switch	Each	15		
	3 pin 5/6 Amp socket outlet	Each	15		
	15/16 Amps switch	Each	8		

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
	6pin 15/16 Amps (universal) socket outlet	Each	8		
	Telephone socket	Each	1		
7	S/F PVC conduit:				
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
	20 mm	Metre	50		
8	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	0		
9	CABLE LAYING				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From EB MAIN to DG				
	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	35		
b	From DG MAIN to DB				
	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	35		
10	END TERMINATION				
	Supply and making end termination with brass compression gland, earth clip and aluminium lugs for following size of cables as required.				
a	2 X 10 sq.mm	Each	4		
11	Installation, testing and commissioning of ceiling /wall fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	0		
12	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0		
13	Angle batten (including CFL)				
	Supplying and fixing PVC angle batten/batten holder with 15W LED LAMP(Make:Havells/Philips) including connection as required.	Each	0		

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
14	Supply of ceiling fan 1200 mm sweep, double ball bearing, approved colour and quality with original down rod,suspension shackle,canopy etc with out regulator complete with all accessories as required.In case of any problem for fixing ceiling fan supply 400mm wall fan with price equal to ceiling fan)	Each	0		
15	Supply of 1x28W flourescent tube fitting sleek with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 28W T5 lamp etc complete as required. (Philips TMS 540 HF / Wipro WRF 80128 SG / GE DMS 28 N N)	Each	0		
16	Supply and installation of 2x36W recess mounted, decorative Soft lite luminaire, powder coated CRCA housing complete with all electrical accessories like electronic ballast, lamp holder, 36W CFL lamp etc complete with all mounting accessories like chain, anchor fastner etc as required. (Havells2x36 WFP-L (HF) ordering code:LHE CDEG21N1W036)/Bajaj BMLA 101 236 CFL WEB2 ordering product code 538926) .or else change may be approved as per the direction of engineer in HLL/NHM	Each	0		
17	S/F SP & N DB:				
	Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
	4 way SPN, double door	Each	1.00		
	12 way SPN, double door	Each	1.00		
17.2	S/F of DP ISOLATOR				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required. (Make: Legrand/Havells/HPL)				
	40 A, DP isolator	Each	2.00		
17.2	S/F of SP MCB				
	Supplying and fixing 6 amps to 32 amps rating, 240 Volts, "C" series, miniature cirucuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required. (Make: Legrand/Havells/HPL)				
	6/32 A SP MCB	Each	14		

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
18	Supply and pointing exhaust fan shutter type white colour-9"/10"(Make Havells/Bajaj/Almonard)	Each	1		
19	Supply and Fixing of Calling bell with its all accessories(ISI Branded)	Each	3		
20	WORK COMPLETION				
	Miscellaneous Items				
	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from exisitng DB	LS	1		
	Total Rate in RS.				
	GST @ 18% in Rs.				
	Grand total in RS.				

2) DISTRICT HOSPITAL, KULLU (DISTRICT KULLU)

CIVIL WORKS

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
TILE WORK					
2	<p>Providing and laying 600mm x 600mm from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.)</p> <p>The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.</p>	26.00	M.SQ		
3	<p>Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivalent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.</p>	82.00	M.SQ		
4	<p>Providing and fixing 40mm thick Granite slab gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement :4 course sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc complete at all levels. Area of slab over 0.5 sqm</p>	2.00	M.SQ		
FALSE CEILING					

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
5	Providing & Fixing of False ceiling shall be provided with Armstrong Lay in (Hot dipped galvanized steel) metal ceiling system 600 X 600 X 5 mm with standard perforation of 2.5 mm dia. (16% open space) and fleece with NRC of 70 & CAC 36 to be laid on Armstrong Grid system. Armstrong Orcal Lay in metal ceiling system consisting of 600 X 600 mm Lay in tiles of pre coated galvanized steel in 0.5 mm thickness in white colour with standard perforation of 2.5 mm dia. and open area of 16 %. The back of tiles should have black acoustical fleece with NRC of .70 & CAC 36 to be laid on Armstrong Grid system with 15 mm wide T section flanges Colour white having rotary stitching on the main Runner, 1200 mm & 600 mm cross Tees, fixed to the structural soffit by Butterfly clip hangers, suspension wires & anchor fasteners as per manufacturers specification. Suspension wires to be provided at every 600 mm c/c with two numbers ties on each anchor fastener, Perimeter trim of Trulok wall angle in white colour secured to wall at 450 mm maximum centers.	76.00	M.SQ		
PLASTERING					
8	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	24.00	M.SQ		
PAINTING					
11	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Alltek S/R putty and primer all complete as per manufacturers specifications to all interior faces of walls in all floors.	36.00	M.SQ		
12	Prepare surfaces and paint three coats of 'Apcolite Apex' paint of approved colour and manufacturer over approved primer to exterior faces of walls sunshades, fascias, fins, drops etc all as per detailed manufacturer's specification at all floors.	QRO	M.SQ		
13	Prepare surfaces and paint with two coats of synthetic enamel paint of approved colour and manufacture over a coat of approved anticorrosive primer to iron work at all heights.	QRO	M.SQ		
	Prepare surfaces and paint two coats of Royal emulsion paint of approved colour over two coats of Alltek S/R putty and primer all complete as per manufacturers specifications to all interior faces of walls in all floors.	12.00	M.SQ		
CURTAIN WORK					
	1. Two range of curtain cloth – Type 1 - II.				
	2. Both for doors, windows and partions.				
	3. Assorted colours plain & prints				
	4. Stitched as per site/ size requirement				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	5.Minor modifications in stitching as per site/ size requirement				
	6.Preferred colour (Brown, Cream, Beige)				
	7.Curtain price (including cloth & curtain rod) to be quoted in Squire metre				
	8.Stitching for each curtain to be absorb in the price of the cloth generally 2 meters.				
	9.Fast colours, water wash				
	10.Fabric density Non Transparent Composition				
	11.Fabric of curtain shall be soft texture, great shading, drape effect and nice doobby.				
	12.The bracket shall be side mounted and front mounted as required				
	13.First rod mount is 3.5 inches from the wall.				
	14.Where curtain used as a partition/ long length, sufficient support from ceiling should be provided to avoid sagging.				
	15.Rate quoted for fully stitched Curtain with top nepha with punch holes after lining bucramreinforced with SS / PVC islets and lower nepha 200mm double turned.				
	Type -I (Surgical Curtain)				
	Curtain fabric weight shall be up to 275-300 (±5%) gsm Composition of fabric shall be polyester yarn I.E. 300 denier fast colour sink age shall be (±5%) Weft and warp shall be polyester / cotton polyester mix	18	M.SQ		
\	Type - II (Window & Door Curtain)				
	Curtain fabric weight shall be up to 250-275 (±5%) gsm Composition of fabric shall be polyester yarn I.E. 300 denier fast colour sink age shall be (±5%) Weft and warp shall be polyester / cotton polyester mix	26	M.SQ		
MASONRY WORK					
1	Half brickwork with locally available best quality table moulded bricks of not less than 50kg/sq.cm crushing strength in CM 1:3 (1 cement 3 sand) and reinforced with two numbers of 6mm dia. M.S rods at every fourth course embedded in cement mortar 1:4 for partitions.				
1.1	In Ground Floor	9.00	M.SQ		
22	Cement concrete 1:4:8 (1 cement ,4 sand , 8 hard blue granite stone metal 40mm and down gauge in layers not exceeding 15 cms in depth well consolidated in foundation and levelling course under floors including necessary shuttering, in steps etc all complete as directed.	2	CUM		
DISMANTLING AND PRE & POST CONSTUCTION SITE CLEANING					
	Cleaning the site and removing debris with carriage of materal by manual labour including loading ,unloading and stacking to municipal dumping ground beyond 50 m initial lead, for all leads including all lifts involved.	1	LS		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Dismantling of any type of tiles/flooring work including striking of serviceable material and is of unserviceable materials with all leads and lift	96	SQM		
	Dismantling plastered Half brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	12.00	M.SQ		
14	Dismantling RCC and Plasterd Brickwalls including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	6.00	M.CUBE		
21	Dismantling CP pipes GSW pipes and AC rain water pipes with fitting and clamps including stacking the materials with all lead and lift	4	RM		
15	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to municipal dumping ground beyond 50 m initial lead, for all leads including all lifts involved.	6	M.CUBE		
22	Dismantling doors, windows & C.S. windows shutter : Of area 3 sqm. including stacking the materials with all lead and lift	18	SQM		
PLUMBING					
<u>SANITARYWARE AND CP FITTINGS</u>					
	Note:1 Bidder may add items thought necessary at the end of this BOQ along with the quantities and rate.				
	Note:2 Rates under Supply and Fixing will include (a). Cost of specified material with taxes and transpoting to site, (b). stacking and storing them at site, (c.) Lead and lift to convey the materials with in the site for installation of materials in their position as needed (d.) Cutting the masonry or concrete surfaces to facilitate fixing (e.) Restoring damaged portions to their original condition with supply of materials like cement, river sand, stone chips, brick etc. (f.) convey all the broken materials taken out of damaged portion within the toilet & shaft area by head load via staircase, to be dumped out of the work site for onward clearance by another agency (g.) all the works are to be carried out as per description mentioned against each item of work mentioned in schedule of quantities (h.) all tools and plants needed for the job to be brought in by the contractor at their cost including maintenance expenses, replacement at their cost wherever required – either in full or in part (i.) fixing materials like rackets, screws, bolts, nuts etc.				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying,installing,testing and commissioning of Parryware make cascade NXT range white/popular color wall mounted European Water closet with slim line dual flush cistern-"P" trap ,Ultra solid seat cover with rubber buffers and flap including following accessories : brass screws with washer, pan connector, rag bolt/CI chair bracket with GI bolt and nuts etc.complete. Works including cutting and making good the walls /floor wherever required, including cost and conveyance of all materials to the site, all labour charges, all taxes etc., complete finished item of work and as directed by the SiteEngineer/Project In-Charge. The side gap between ewc mouth and pan connector to be filled with silicon sealant.				
	EWC-Wall mounted closet with"P"trap, Make- Parryware,Range-Cascade NXT,Model no-C0207				
	Seat cover-Range-ultra solid seat cover,model no-C8140				
	Slim line economy dual flush pvc cistern model no: C8109				
	Pan Connector,Cp/Pvc connection tube				
	Wallvit pan fittings-C8015				
	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053				
	Sumo Chair Brackets-Parryware-C8166				
	Providing and fixing of cascade NXT White color EWC Wallvit pan set	1	Set		
	Supplying,Storing,Leading, Installing,Testing and commissioning of White Color Rectangular Wash basin . Works including following accessories; 32mm dia CP brass waste coupling, 32mm dia CP brass bottle trap with extension pipe, 15mm dia CP brass Angle valve, CP connections tupe, CP extention nipple, CP wall flange, Fisher bolt/Rag bolt, and necessary all hardware materials like brass screws, washer and nuts etc. complete. Works including necessary cutting and making finishing the wall and floors wherever required etc. complete.				
	Rectangular Wash basin -Parryware-Indus range-Size-550x450,model no:0471				
	CP waste coupling - Jaquar - Allied -Model no:705/709cp				
	CP Pillar cock with Auto closing system - PRS-031				
	CP bottle trap - Jaquar - Allied -Model no:769cp				
	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053				
	Cp connection tube,Rag bolt/bracket for basin				
	Providing and fixing of White color Rectangular wash basin set	QRO	Set		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying, Storing, Leading, Installing, Testing and commissioning of White Color Under Counter Oval Wash basin . Works including following accessories; 32mm dia CP brass waste coupling, 32mm dia CP brass bottle trap with extension pipe, 15mm dia CP brass Angle valve, CP connections tupe, CP extention nipple, CP wall flange, basin brackets, and necessary all hardware materials like brass screws, washer etc. complete. Works including necessary cutting and making finishing the wall and floors wherever required etc. complete.				
	Oval Wash basin - Parryware - Cascade NXT - Size-550x450, model no: C0407				
	CP waste coupling - Jaquar - Allied -Model no:705/709cp				
	CP Pillar cock with Auto closing system - PRS-031				
	CP bottle trap - Jaquar - Allied -Model no:769cp				
	15mm cp brass angular stop cock with wall flange- Jaquar - Continental -model no-CON-053				
	Cp connection tube, Sumo bracket for basin				
	Providing and fixing of White Color Oval wash basin set	2	Set		
	Supplying and fixing of 15mm CP Pillar cock with Auto closing system for wash trough & etc. complete.				
	Jaquar -Pressmatic tap-model no:031	2	Each		
	Supplying and fixing 15mm CP Hand wash tap for wash basin (Floor mounted type) etc. complete.				
	Jaquar-florentine-model no:5357	2	Each		
	Supplying, Storing, leading ,installing,testing and commissioning Stainless steel sink with waste coupling - Single bowl with single drain board manufactured from high quality premium SS304 stainless steel, supporting bracket with screws etc.complete.Works including cutting and making good the walls /floor wherever required, including cost and conveyance of all materials to the site, all labour charges, all taxes etc., complete, finished item of work and as directed by the SiteEngineer/ In-Charge.				
	a)SS sink with Singlebowl with drain board-40"X20"-Bowl size:20"X16"X8"- Parryware-model no:8531 ,	1	Each		
	Supplying and fixing 15mm CP brass Sink cock with regular swinging spout(wall mounted) etc.complete				
	Sink cock- Jaquar-Florentine-model no:5347cp	1	Each		
	Supplying,installing, testing and commissioning of white color New magnum urinal with integrated spreader with cp connection pipe and elbow & nipple, waste coupling, 32mm bottle trap ,Fisher bolts/brackets,washers, screws etc.complete. Works including cutting and making good the walls /floor wherever required, cost including of conveyance of all				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	materials to the site, all labour charges, complete.etc.complete				
	New magnum urinal - Parryware- 590x400x390 model no:0575				
	Parryware-Urinal spreader-C8095cp				
	Jaquar-Urinal Valve Auto Closing System with in built control cock-model no:077 cp				
	CP bottle trap,CP waste coupling - Jaquar - Allied- Model no:769,705/709				
	CP connection pipe,elbow & nipple				
	Providing and fixing of White Color New magnum Urinal set	QRO	Each		
	Supplying,installing,testing and commissioning of 15mm CP angle valve with flange including necessary screws for aqua guard etc.complete.				
	Angle valve-Jaquar-Continental-model no:053cp	QRO	Each		
	Supplying and fixing of CP brass angular stop cock with Health Faucet and 1 m flexible tube with wall hook,screws etc.complete.				
	Jaquar-Allied-model no:573cp				
	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053	3	Set		
	Supplying and fixing 15mm CP Long body bib tap with flange for janitor closet areas etc. complete.				
	Jaquar-continental-model no:107	QRO	Each		
	Supplying and fixing of Jaquar make 15mm CP short body bib tap with flange for ewc closet areas etc. complete.				
	CP Short body bib tap-Jaquar-Continental range-model no:037	QRO	Each		
	Supplying,instaling,testing and commissioning of electric water heater with CP angle valve, Conection tube swith wall flange, clamped to the wall etc. complete				
	30lit.capacity water heater-Racold ariston model-fibre body				
	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053	QRO	Each		
	Supplying and fixing Compact hand towell dispenser,accomadates 150 towels (Kimberly clark make) for wash basin fixing with necessary screws etc., complete				
	Compact towell dispenser(Pearl white)-01132;size-270X190X115mm				
	Kleenex multi fold towels-01221,1 packet=125 sheets	QRO	Each		
	Supplying and fixing of Jaquar make Soap dispenser with glass bottle for wash basin areas etc. complete.				
	Soap dispenser with glass bottle-Jaquar-Continental range-model no:ACN-1135N	3	Each		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying and fixing of Jaquar make cp Double coat hook fixing with necessary screws etc., complete				
	Jaquar-Kubix-model no:ACN-35761	2	Each		
	Supplying and fixing exposed type Toilet paper holder with out flap fixing with necessary screws etc., complete				
	Jaquar-continental-model no:1151N-cp	2	Each		
	Supplying and fixing cp Towel ring- fixing with necessary screws etc., complete				
	Jaquar-Continental-model no:1121BN	2	Each		
	Supplying and fixing cp Towel rod- fixing with necessary screws etc., complete				
	Jaquar-Continental-model no:1111cp	QRO	Each		
	Supplying, fixing and commissioning of Urinal Granite partition allround polished of size 450x900x18mm/20mm thick,(shape as per architectural drg)using 2 nos ss clamps embedded in 150 x 150 PCC pocket etc.complete	QRO	Each		
	Supplying and fixing of approved make 6mm thick mirror- 450 x 750 mm size for wash trough areas - with Teak wood frame and water proofed plywood backing, including polishing etc. complete	2	Each		
	<u>INTERNAL DRAINAGE SYSTEM</u>				
	Rates under Supply and Fixing will include (a). Cost of specified material with taxes and transpoting to site, (b). stacking and storing them at site, (c.) Lead and lift to convey the materials with in the site for installation of materials in their position as needed (d.) Cutting the masonry or concrete surfaces to facilitate fixing (e.) Restoring damaged portions to their original condition with supply of materials like cement, river sand, stone chips, brick etc. (f.) convey all the broken materials taken out of damaged portion within the toilet & shaft area by head load via staircase, to be dumped out of the work site for onward clearance by another agency (g.) all the works are to be carried out as per description mentioned against each item of work mentioned in schedule of quantities (h.) all tools and plants needed for the job to be brought in by the contractor at their cost including maintenance expenses, replacement at their cost wherever required – either in full or in part (i.) fixing materials like rackets, screws, bolts, nuts etc.				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	<p>Supplying, fixing and testing of approved make of 10kg PVC pipes confirming to IS 4985-2000. and fittings (moulded and fabriacted fittings) such as tee, elbow, 'y' , coupler, etc confirming to IS 7834 with latest amendment for soil and waste pipe works in toilets and utility area,basement storm water drain etc. Pipes shall be laid in sunken floors as per approved drawings with gradient mentined in the drawings with proper brick pedestal supprotts. For laying the pipes in walls, before chasing, the pipe line routing shall be marked using chaulk line with help of tupe level, wall cutting shall be done using wall cutting machine, and chasing to be done using electric jack hammer machine. Cutting and chasing with hammer shall not be permitteted. Pipes and fittings shall be cleaned with pipe cleaners and joined by approved approved make solvent cement. After laying the pipes, before cloasing tthe pipes, gravity test to be conducted and got the approval from the site engineers. chased portitions shall be covered with cement mortar. Work includes making required size holes in brick walls wherever necessary and re do same with water proofing components to the entire satisfaction of site engineer.etc complete. All the stub outs shall be closed with proper end caps till of installation of sanitraywares and accessories etc. complete.</p>				
	40mm dia Sch-80 upvc pipe for flush valve drain	6	RM		
	40mm dia	6	RM		
	50mm dia	6	RM		
	63mm dia	QRO	RM		
	<p>Supplying, fixing and testing of approved make of SWR - B- Class PVC pipes and fittings confirming to IS 13592-1992. and fittings (avialable fittings in market and fabriacted fittings) such as tee, elbow, 'y' , coupler, etc. confiming to 14735 with latest amendment for soil and waste pipe works in toilets and utility area,etc. Pipes shall be laid in sunken for all floor toilets as per approved drawings with gradient mentined in the drawings with proper supprotts.Wall cutting shall be done using wall cutting machine, and chasing to be done using electric jack hammer machine. Cutting and chasing with hammer shall not be permitteted. Pipes and fittings shall be cleaned with pipe cleaners and joined by approved approved make solvent cement. After laying the pipes, before cloasing the pipes, gravity test to be conducted and got the approval from the site engineers. chased portitions shall be covered with cement mortar. Work includes making required size holes in brick walls wherever necessary and re do same with water proofing components to the entire satisfaction of site engineer.etc complete. All the stub outs shall be closed with proper end caps till of installation of</p>				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	sanitarywares and accessories etc. complete.				
	75mm dia	1	RM		
	110mm dia	6	RM		
	Providing and Laying Plain cement concrete (1:4:8) encasing for internal pipes laid in sunken floor, 100mm thick around the pipes with the help of necessary wooden shuttering etc. complete.				
	75 to110mm dia	QRO	M3		
	Fabricating, supplying, and fixing of Truebore make 4mm wall thickvess uPVC Floor traps, made out of 110mm dia PVC Pipe with single or multiple inlets of size 40mm to 75mm dia.(boss tee connections), outlets of sizes 63 mm to 75mm, with min.2" water seal, fixing in position, using cement concrete 100 mm around to full depth of trap/suspended in ceiling level with proper supports, including providing FRP matting at bottom, inlet and outlet etc, complete.	2	Each		
	Supplying,fixing and testing of PVC 'P' trap 110mm dia extension boss tee arrangements with female thread fix with the Staninless steel heavy duty clean out in male thread with gascet and three ss screws/PVC heavy duty clean out for urinals, etc., complete	1	Nos		
	Supplying,fixing and testing of Heavy duty Floor Clean Out which are provided in floors slab ,with female thread fix with the SS/Pvc heavy duty clean out plug in male thread with gasket and 110mm dia boss tee arrangements etc. complete				
	75 mm dia	1	Nos		
	110 mm dia	1	Nos		
	Drilling with core cutting in RCC beams, slabs, floors etc.,for laying pipes and rendering the same in RCC 1:2:4, finishing the same to the satisfaction of the Owner or his authorized representative etc.,including nominal reinforcement where ever required, complete. The quoted rate shall also include for providing EPOXY based water proofing compound for sealing the joints around the pipes. Core cut shall be done using rebar detector after getting the approval from the structural consultant..				
	a) RCC beams				
	25mm dia upto 50 mm	QRO	Each		
	50mm dia upto 110 mm	QRO	Each		
	110mm dia. upto 160 mm	QRO	Each		
	160mm upto 250mm	QRO	Each		
	Fabricating brackets using Mild Steel flats or angles, cutting, welding, forming shapes, providing hot dip galvanizing for brackets, cutting pockets in masonry / concrete surfaces, grouting brackets in concrete of 1:2:4 mix, restoring the damaged portion to their original condition required materials etc. complete.	100	Kg		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying and fixing of pvc grating of approved make, fixed over the floor trap. Works including cleaning of floor traps before fixing the gratings. While fixing the gratings, flooring should be cutted to required size of grating,(not more than 2mm of the grating sizes) using tile cutter etc. complete. The gap should be filled with colored white cement to match the flooring colour. The colour and shape of the gratings shall be got the approval from the architects/consultants	4	Each		
	Supplying and fixing of Chilly make CP Anti cockroach floor trap gratings which consisting floor drain grating, inner filter and outfilter and rim , fixed over the floor trap. Works including cleaning of floor traps before fixing the gratings. While fixing the gratings, flooring should be cutted to required size of grating,(not more than 2mm of the grating sizes) using tile cutter etc. complete. The gap should be filled with colored white cement to match the flooring colour. The colour and shape of the gratings shall be got the approval from the architects/consultants. To avoid damage of the cp gratings, acid cleaning of flooring shall be done before fixing of gratings.	QRO	Each		
	<u>WATER SUPPLY SYSTEM</u>				
	<u>(Internal water supply with in Toilet)</u>				
	Supplying, fixing and testing of approved make uPVC pipe - SCH 80 grade-pipes and same fittings. Using Schedule-80 pipes are confirming to ASTM D-1785 and SCH-80 fittings are confirming to ASTM D-2467,Solvent cement is confirming to ASTM D 2564 , for Domestic water supply within the toilets areas, kitchen and pantry areas - Concealing in walls & ledge walls, with necessary fittings such as tee,elbow,union,nipple. including brass moulded fittings, brass male/female adapters etc., .,including cutting and jointing using uPVC solvent cement as per manufacturer's recommendation ,chasing the wall and fixing the pipe with proper clamp supports, redoing the same, and fixed properly, ceiling level and running in sunken floor level with proper pipe supports etc. complete.Works also include to provide bitumen painted hessian cloth insulation on buried pipes etc...complete.Works to include necessary identification marks,flow direction marks on the pipes which are visible ,exposed lines.Pipes mounted on the necessary paver block supports,refilling by sand etc complete.Works include excavation in all sorts of soils, laying the pipe, provide sand cushion all around the pipes, and refilling the same.				
	Internal water supply:				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Making of water supply pipes connected with the fittings by uPVC solvent cement as per the drawing routing, pipes chasing in the wall, running in sunken floors/suspended in ceiling level with proper clamp pipe Supports with in the toilets,kitchen,pantry,hand wash,plate wash and service areas.Works including cutting in the wall,floors and necessary areas and refilling the same.				
	Testing:				
	All water supply pipes undergo testing to withstand the necessary hydraulic pressure (7 kg/cm ²) for 24 hr etc complete.				
	3/4"dia (ID)	7	RM		
	1"dia (ID)	7	RM		
	1 1/4"dia (ID)	QRO	RM		
	1 1/2"dia (ID)	QRO	RM		
	Supplying, fixing and testing of approved make hot forged and sand blasted Brass ball valve with full port,Silicon free,double viton O-ring stem seal,Dacrotized carbon steel handle and nickel plated stem,teflon ball seat on both sides,forged brass hard chrome plated steel ball tested to a pressure not less than 15kg/sqcm with threaded / flanged joints complete with nuts, bolts,gaskets,washers,mta and union etc complete.				
	20mm dia	QRO	Each		
	25mm dia	QRO	Each		
	32mm dia	QRO	Each		
	40mm dia	QRO	Each		
	Supplying,fixing of approved make Brass 'Y' strainer on delivery line with necessary accessories etc., complete				
	50mm dia	QRO	Each		
	Supplying, fixing and testing of approved make C.I Wafer type Check valve etc.complete				
	40mm dia	QRO	Each		
	Fabricating and fixing pipe inserts with water bar making in Sch-80 pvc pipe 5mm thick, Pvc square plate around 1" of pipe perimeter to over head water tank etc. complete				
	25mm dia	QRO	Each		
	40mm dia	QRO	Each		
	50mm dia	QRO	Each		
	65mm dia	QRO	Each		
	EXTERNAL DRAINAGE & WATER SUPPLY				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Supplying, laying, testing and commissioning approved make of SWR PVC- B Class pipe for 75/110/160 mm dia confirming to IS 13592-1992 and 6kg UPVC Pipes for 200/250/315/400 mm dia confirming to IS 4985 - 2000 for underground drainage and sewerage systems - pipes in trenches to required gradients and burried in ground level etc., complete. Rates to include excavation in all kinds/types of soils including hard laterites but except hardrock for laying pipes,,forming bottom surface to required level, refilling selected excavated earth around the encasing, watering, consolidating and disposing off the surplus earth with in the site or as directed by the site engineer etc., Works included pumping out water from trenches with shoring wherever necessary.External sewage pipes are burried in ground level from inspection chamber to inspection chamber,finally goes to sewage collection well.Using solvent cement joints for jointing the pipes with fittings like coupler,elbow,bend and fabricated fittings etc complete.				
	110mm dia - 500 to 1000 depth	10	RM		
	160mm dia - 500 to 1000 depth	1	RM		
	160mm dia - 1000 to 1500 depth	QRO	RM		
	160mm dia - 1500 to 2000 depth	QRO	RM		
	Providing pcc encasing for all external pipes with laying cement concrete 1:3:6 mix using 6mm jelly casing all round the pipes etc., complete				
	110mm to 160mm dia	1	RM		
	Construction of inspection chambers in brick work as per the following specification.Earth work excavation in all type of soil except hard rock with initial lead and lift, river sand filling, P.C.C.1:4:8 for foundation using 40 mm metal jelly, R.C.C.1:1.5:3 using 20 mm metal jelly for foundation bed concrete thickness as per the drawing, Brick work in CM 1:4 mix for walls thickness as per the drawing given,work including scaffolding ,shuttering charges for all R.C.C.works, wall plastering with CM 1:3, mix 15 mm thick for inside and outside wall.bed benching with P.C.C.1:2:4 mix using 20 mm metal jelly,thickness as per the drawing given.over the bed benching water proof compound mix plastering in CM 1:3 , 15 mm thickness.				
	Necessary cover slab to be laid in R.C.C.1:1.5:3,with manhole cover provision (SFRC cover-600X600 Heavy duty and 600 dia Round heavy duty), P.V.C.insulated footrest to be provided 300 mm c/c as per the drawing.Reinforcement for R.C.C.bed and wall is 12 mm TMT bars 150 mm C/C on both ways and both faces of concrete.Earth backfilling to be done after completion of all works with selected earth with water consolidation.				
	450x450 depth upto 1000 from the Formed Ground	QRO	Each		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	level as shown in the drawing				
	600x600 depth upto 1000 from the Formed Ground level or Finished Road level as shown in the drawing	QRO	Each		
	900x600 depth from 1000 to 1500 from the Formed Ground level or Finished Road level as shown in the drawing	QRO	Each		
	900x750 depth from 1500 to 2000 from the Formed Ground level or Finished Road level as shown in the drawing	QRO	Each		
	Construction of gully chamber with pvc gully with CI grating set in 75mm thick PCC 1:4:8 bed, in 115mm thick masonry chamber in CM 1:4, internal and external plastering 12mm thick in CM 1:6, supply and fixing 300x300 SFRC cover slab and frame, including excavating, refilling etc., complete				
	300x300	QRO	Each		
	Construction of Oil & Crease chamber with best quality bricks to 230mm thick in CM 1:4 over a bed of 200mm thick PCC 1:4:8, wall plastered CM 1:3 inside and out side, including 700x550x50mm thick, RCC baffle wall, provide 575x575x300 perforated bucket made by Pvc, as shown in detail drawings, provide 6mm MS chequered plate cover in two pieces with lifting hook fixed on 40x40x5 MS frame, encapsulated rungs, necessary excavation and refilling etc. complete				
	size 1750x600x600 (liquid depth)	QRO	Each		
	Making connection to the Existing sewer line , works including necessary pipes, fittings, and cutting the wall of existing IC and making good the road after connection.	QRO	LS		
	Constructing brick masonry chamber (for housing valves, meters etc) of brick work with bricks of class 75 with cement mortar 1:5 (1 cement:5 fine sand) plastering internal face with cement mortar 1:3 (1 cement:3 fine sand) and rough plaster on outer face with a floating coat of neat cement. R.C.C top slab with medium duty SFRC cover of 600x600mm size. Including excavation, dewatering, refilling, watering, ramming and removing the surplus excavated material complete as required. (All sizes are clear internal sizes)				
	600x600 depth upto 1000	QRO	Nos		
	900x800 depth upto 1000	QRO	Nos		
	Supplying, laying, fixing and testing of approved make uPVC - SCH-80 of High Pressure upvc Domestic Water Supply System with same specials like coupler, elbow, bend and Tee etc. complete. Using solvent cement for jointing pipes and specials etc. complete. pipes buried in the ground level, .. (cost including earth work excavation)				
	1" dia (ID)	QRO	RM		
	1 1/4" dia (ID)	QRO	RM		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	1 1/2"dia (ID)	QRO	RM		
	Making connection to the External main water line of dws, fws , works including necessary pipes, fittings, and cutting the main road/landscaped area and making good the road after connection.	QRO	Each		
ALUMINUM WORK					
6	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For fixed portion. Anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15). The rate should also includes providing PU sealant in both inside and outside	0.24	MT		
	S/F 100mm brass lock for aluminium door including necessary cutting and making good etc. complete	1.00	EACH		
	Providing and fixing aluminium tower bolts (100*10mm) ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	2.00	EACH		
	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in- Charge. (Cost of aluminum snap beading shall be paid in basic item): With float glass panes of 5.5 mm thickness.	20.00	SQM		
	Providing and fixing aluminum extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight up to 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete	1.00	EACH		
	Providing and fixing aluminum tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc. complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminum tubular handle bar	4.00	EACH		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. With twin rubber stopper	2.00	EACH		
	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With Brass cover Plate	1.00	EACH		
	Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-inCharge. Pre-laminated particle board with decorative lamination on both sides	7.00	SQM		
	Total Rate in Rs.				
	GST @ 18% in Rs.				
	Grand total in Rs.				

ELECTRICAL WORKS

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
1	Point wiring in PVC conduit with modular type switch.				
	Wiring for light point/fan point/exhaust fan point /call bell point with 1.5 sq mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable PVC box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required.				
	Group C	Point	0		
2	Wiring through PVC conduit				
	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required.				
	2X1.5 sq.mm + 1X1.5 sq.mm earth wire	Metre	150		
	2X2.5 sq.mm + 1 X2.5 sq mm earth wire	Metre	275		
	2X4 sq.mm + 1X4 sq.mm earth wire	Metre	195		
3	A/C point				
	S/F 20A SPN MCB industrial socket outlet: Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Point	0		
4	Modular boxes, bases & cover plate:				
	Supplying and fixing following size/modules, PVC box along with modular base & cover plate for modular switches in recess etc as required.(Make: Legrand))				
	3 module	Each	6		
	6 module	Each	13		
5	Modular type blanking plate:				
	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	Each	5		
6	Modular type switch/socket:				
	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc as required.(Make: Legrand))				
	5/6 Amps switch	Each	20		
	3 pin 5/6 Amp socket outlet	Each	20		
	15/16 Amps switch	Each	13		

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
	6pin 15/16 Amps (universal) socket outlet	Each	13		
	Telephone Socket	Each	1		
7	S/F PVC conduit:				
	Supplying and fixing of following sizes of medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
	20 mm	Metre	120		
8	ITC Fluorescent fitting directly on surface: Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq. mm FR PVC insulated, copper conductor, single core cable and earthing etc. as required.	Each	0		
9	CABLE LAYING				
	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
a	From EB MAIN to DG				
	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	30		
b	From DG MAIN to DB				
	2 X 10 sq. mm + 1 X 10 sq. mm earth wire	Metre	30		
10	END TERMINATION				
	Supply and making end termination with brass compression gland, earth clip and aluminium lugs for following size of cables as required.				
a	2 X 10 sq.mm	Each	4		
11	Installation, testing and commissioning of ceiling /wall fan, including wiring the down rods of standard length (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc. as required.	Each	0		
12	Supplying and fixing stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	0		
13	Angle batten (including CFL)				
	Supplying and fixing PVC angle batten/batten holder with 15W LED LAMP(Make:Havells/Philips) including connection as required.	Each	0		

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
14	Supply of ceiling/wall fan 1200 mm sweep, double ball bearing, approved colour and quality with original down rod,suspension shackle,canopy etc with out regulator complete with all accessories as required.In case of any problem for fixing ceiling fan supply 400mm wall fan with price equal to ceiling fan)(Make:ISI Approved)	Each	0		
15	Supply of 1x28W flourescent tube fitting sleek with decorative end cap, powder coated CRCA steel channel complete with all electrical accessories like electronic ballast, lamp holder, 28W T5 lamp etc complete as required. (Philips TMS 540 HF / Wipro WRF 80128 SG / GE DMS 28 N N)	Each	0		
16	Supply and installation of 36W/43W recess mounted, decorative Soft lite luminaire, powder coated CRCA housing complete with all electrical accessories like electronic ballast, lamp holder, 36W CFL lamp etc complete with all mounting accessories like chain, anchor fastner etc as required. (Havells34W LED 6000K) ordering code:LHEWEBP7IN1W036)/BajajBZRSQL 43W GZ1 WH ordering product code 112668) .or else higher versions may be approved without change in cost and only as per the direction of engineer in HLL/NHM engineer in site.	Each	0		
17	S/F SP & N DB:				
	Supplying and fixing following way prewired SP&N MCB, distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, detachable gland plate, interconnections, powder painted including earthing etc.as required(But without MCB/RCCB/Isolator) (Make: Legrand/Havells/HPL)				
	8 way SPN, double door	Each	1.00		
	12 way SPN, double door	Each	1.00		
17.1	S/F of DP ISOLATOR				
	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, ISOLATOR having a sensitivity current upto 100 to 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc, as required.(Make: Legrand/Havells/HPL)				
	40 A, DP isolator	Each	2.00		
17.2	S/F of SP MCB				
	Supplying and fixing 6 amps to 32 amps rating, 240 Volts, "C" series, miniature cirucuit breaker suitable for lighting and other loads of following poles in the existing MCB DB complete with connections, testing and commissioning etc as required.(Make: Legrand/Havells/HPL)				

Sl. No	Description of work	Unit	Qty	Unit Rate in Rs.	Total Rate in Rs.
	6/32 A SP MCB	Each	16		
18	Supply and pointing exhaust fan shutter type white colour-9"/10"(Make Havells/Bajaj/Almonard)	Each	0		
19	Supply and Fixing of Calling bell with its all accessories(ISI Branded)	Each	0		
20	WORK COMPLETION				
	Miscellaneous Items				
	Miscellaneous electrical work, removing of existing conduits and interconnections of light,6A socket/16A socket/A/C point from existing DB	LS	1		
	Total Rate in Rs.				
	GST @ 18% in Rs.				
	Grand total in Rs.				

3) REGIONAL HOSPITAL, KEYLONG (DISTRICT L&SPITI)

CIVIL WORKS

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	EARTH WORK				
1	<p>"Excavate foundation in all kinds of soil including soft rock except hard rock requiring blasting part return and fill in foundation and basement in layers not exceeding 15cm in depth including watering , breaking clods and consolidating, disposing and spreading surplus earth within the site upto 1.5m depth.(No extra shall be payable for working space)</p> <p>Tenderer to ensure proper dewatering and shoring methods to ensure all time dry condition. Any damages of sides of foundation or collapsing of soil from sides due to excessive water seepage or surface runoff or any other cause have to be replaced with quarry dust or Malaimann at no extra cost."</p>	4	CUM		
	CARPENTRY WORK				
2	<p>Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately): For fixed portion. Anodized aluminum (anodized transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15). The rate should also includes providing PU sealent in both inside and outside</p>	0.07	MT		
3	S/F 100mm brass lock for aluminium door including necessary cutting and making good etc. complete	1.00	EACH		
4	Providing and fixing aluminium tower bolts (100*10mm) ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	4.00	EACH		
5	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer-in- Charge. (Cost of aluminum snap beading shall be paid in basic item): With float glass panes of 5.5 mm thickness.	10.00	SQM		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
6	Providing and fixing aluminum extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight up to 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete	QRO	EACH		
7	Providing and fixing aluminum tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc. complete as per direction of Engineer-in-Charge. Anodized (AC 15) aluminum tubular handle bar	4.00	EACH		
8	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete. With twin rubber stopper	4.00	EACH		
9	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS : 6315 marked, for doors including cost of cutting floors as required, embedding in floors and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With Brass cover Plate	4.00	EACH		
10	Providing and fixing 12 mm thick pre laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer-inCharge. Pre-laminated particle board with decorative lamination on both sides	QRO	SQM		
11	P/F factory made UPVC door frame made of UPVC extruded section: Extruded section profile size 48 x 40 mm.	4.8	RM		
12	P/F to existing door frames: 30 mm thick factory made PVC door shutter with decorative moulding edging.	1.8	SQM		
PLASTERING					
13	Prepare surfaces and plaster with CM 1:3(1 cement, 3 sand) ,12mm minimum thick (sponge finish) to ceiling sides and soffit of beams and columns and other interior and exterior RCC surfaces not contiguous to masonry.	1.00	M.SQ		
PAINTING					
14	Prepare surfaces and paint two coats of plastic emulsion paint of approved colour over two coats of Alltek S/R putty and primer all complete as per manufacturers specifications to all interior faces of walls in all floors.	34.00	M.SQ		
15	Prepare surfaces and paint three coats of 'Apolite Apex' paint of approved colour and manufacturer over approved primer to exterior faces of walls sunshades, facias, fins, drops etc all as per detailed manufacturer's specification at all floors.	QRO	M.SQ		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
16	Prepare surfaces and paint with two coats of synthetic enamel paint of approved colour and manufacture over a coat of approved anticorrosive primer to iron work at all heights.	QRO	M.SQ		
17	Prepare surfaces and paint two coats of Royal emulsion paint of approved colour over two coats of Alltek S/R putty and primer all complete as per manufacturers specifications to all interior faces of walls in all floors.	24.00	M.SQ		
DISMANTLING					
18	Dismantling plastered brickwalls in cement mortar including cleaning, stacking the useful materials as directed by engineer-in-charge and dumping the dismantled debris as indicated at site, levelling, consolidating, all complete as directed and disposing the debris away from site all complete as directed.	2.00	M.CUBE		
19	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to municipal dumping ground beyond 50 m initial lead, for all leads including all lifts involved.	18	M.CUBE		
20	Dismantling of any type of tiles/flooring work including striking of serviceable material and is of unserviceable materials with all leads and lift	24	SQM		
21	Dismantling CP pipes GSW pipes and AC rain water pipes with fitting and clamps including stacking the materials with all lead and lift	36	RM		
22	Dismantling doors, windows & C.S. windows shutter : Of area 3 sqm. including stacking the materials with all lead and lift	10	SQM		
FALSE CEILING					
24	Providing & Fixing of False ceiling shall be provided with Armstrong Lay in (Hot dipped galvanized steel) metal ceiling system 600 X 600 X 5 mm with standard perforation of 2.5 mm dia. (16% open space) and fleece with NRC of 70 & CAC 36 to be laid on Armstrong Grid system. Armstrong Orcal Lay in metal ceiling system consisting of 600 X 600 mm Lay in tiles of pre coated galvanized steel in 0.5 mm thickness in white colour with standard perforation of 2.5 mm dia. and open area of 16 %. The back of tiles should have black acoustical fleece with NRC of .70 & CAC 36 to be laid on Armstrong Grid system with 15 mm wide T section flanges Colour white having rotary stitching on the main Runner, 1200 mm & 600 mm cross Tees, fixed to the structural soffit by Butterfly clip hangers, suspension wires & anchor fasteners as per manufacturers specification. Suspension wires to be provided at every 600 mm c/c with two numbers ties on each anchor fastener, Perimeter trim of Trulok wall angle in white colour secured to wall at 450 mm maximum centers.	32.00	M.SQ		
TILE WORK					

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
25	Providing & laying first class full body vitrified ceramic tile of make Kajaria/ Restile/Johnson or equivalent of size 600mmx600mmx 9.5mm or approved size of approved colour (matt finish) in flooring using spacer of required size (2mm-4mm) from endura or equivalent over a bed of cement mortar 1:4 of required thickness to match finished floor level mentioned and to match the neighbouring floor finish and jointed with epoxy grout of approved shade from Bal Endura or equivalent brand all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern in the flooring like border, cut tiles,etc.	34.00	M.SQ		
26	Providing and laying 450mm x 600mm from Kajaria/ Restile/Johnson glazed tiles of plain series(Satin finish) in dado set in CM 1:3 with joints so as to form a true & even surface and joints finished neatly with white cement mixed with matching pigments all complete as directed. (Rate should include base plastering with CM 1:5 of required thickness.) The rate shall include cost of providing 6mmx6mm groove in the plastering at top of the tile all complete as directed.(Basic cost of tile - Rs.85/sft).Any difference in basic price and OHP at the time of approval shall be adjusted for the laid area.No extra shall be payable for forming any pattern like border, etc.	52.00	M.SQ		
27	Providing and fixing 18mm thick Granite slab gang saw cut mirror polished premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement :4 course sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc complete at all levels. Area of slab over 0.5 sqm	4.00	M.SQ		
	PLUMBING				
A	<u>SANITARYWARE AND CP FITTINGS</u>				
	Note:1 Bidder may add items thought necessary at the end of this BOQ along with the quantities and rate.				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Note:2 Rates under Supply and Fixing will include (a). Cost of specified material with taxes and transpoting to site, (b). stacking and storing them at site, (c.) Lead and lift to convey the materials with in the site for installation of materials in their position as needed (d.) Cutting the masonry or concrete surfaces to facilitate fixing (e.) Restoring damaged portions to their original condition with supply of materials like cement, river sand, stone chips, brick etc. (f.) convey all the broken materials taken out of damaged portion within the toilet & shaft area by head load via staircase, to be dumped out of the work site for onward clearance by another agency (g.) all the works are to be carried out as per description mentioned against each item of work mentioned in schedule of quantities (h.) all tools and plants needed for the job to be brought in by the contractor at their cost including maintenance expenses, replacement at their cost wherever required – either in full or in part (i.) fixing materials like rackets, screws, bolts, nuts etc.				
1	Supplying,installing,testing and commissioning of Parryware make cascade NXT range white/popular color wall mounted European Water closet with slim line dual flush cistern-"P" trap,Ultra solid seat cover with rubber buffers and flap including following accessories : brass screws with washer, pan connector, rag bolt/CI chair bracket with GI bolt and nuts etc.complete. Works including cutting and making good the walls /floor wherever required, including cost and conveyance of all materials to the site, all labour charges, all taxes etc., complete finished item of work and as directed by the SiteEngineer/Project In-Charge. The side gap between ewc mouth and pan connector to be filled with silicon sealant.				
1.1	EWC-Wall mounted closet with"P"trap, Make- Parryware,Range-Cascade NXT,Model no-C0207				
1.2	Seat cover-Range-ultra solid seat cover,model no-C8140				
1.3	Slim line economy dual flush pvc cistern model no: C8109				
1.4	Pan Connector,Cp/Pvc connection tube				
1.5	Wallvit pan fittings-C8015				
1.6	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053				
1.7	Sumo Chair Brackets-Parryware-C8166				
1.8	Providing and fixing of cascade NXT White color EWC Wallvit pan set	1	SET		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
2	Supplying, Storing, Leading, Installing, Testing and commissioning of White Color Rectangular Wash basin . Works including following accessories; 32mm dia CP brass waste coupling, 32mm dia CP brass bottle trap with extension pipe, 15mm dia CP brass Angle valve, CP connections tupe, CP extention nipple, CP wall flange, Fisher bolt/Rag bolt, and necessary all hardware materials like brass screws, washer and nuts etc. complete. Works including necessary cutting and making finishing the wall and floors wherever required etc. complete.				
2.1	Rectangular Wash basin -Parryware-Indus range-Size-550x450,model no:0471				
2.2	CP waste coupling - Jaquar - Allied -Model no:705/709cp				
2.3	CP Pillar cock with Auto closing system - PRS-031				
2.4	CP bottle trap - Jaquar - Allied -Model no:769cp				
2.5	15mm cp brass angular stop cock with wall flange- Jaquar - Continental -model no-CON-053				
2.6	Cp connection tube,Rag bolt/bracket for basin				
2.7	Providing and fixing of White color Rectangular wash basin set	QRO	SET		
3	Supplying, Storing, Leading, Installing, Testing and commissioning of White Color Under Counter Oval Wash basin . Works including following accessories; 32mm dia CP brass waste coupling, 32mm dia CP brass bottle trap with extension pipe, 15mm dia CP brass Angle valve, CP connections tupe, CP extention nipple, CP wall flange, basin brackets, and necessary all hardware materials like brass screws, washer etc. complete. Works including necessary cutting and making finishing the wall and floors wherever required etc. complete.				
3.1	Oval Wash basin - Parryware - Cascade NXT - Size-550x450, model no: C0407				
3.2	CP waste coupling - Jaquar - Allied -Model no:705/709cp				
3.3	CP Pillar cock with Auto closing system - PRS-031				
3.4	CP bottle trap - Jaquar - Allied -Model no:769cp				
3.5	15mm cp brass angular stop cock with wall flange- Jaquar - Continental -model no-CON-053				
3.6	Cp connection tube,Sumo bracket for basin				
3.7	Providing and fixing of White Color Oval wash basin set	1	SET		
4	Supplying and fixing of 15mm CP Pillar cock with Auto closing system for wash trough & etc. complete.				
4.1	Jaquar -Pressmatic tap-model no:031	QRO	EACH		
5	Supplying and fixing 15mm CP Hand wash tap for wash basin (Floor mounted type) etc. complete.				
5.1	Jaquar-florentine-model no:5357	QRO	EACH		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
6	Supplying, Storing, leading ,installing,testing and commissioning Stainless steel sink with waste coupling - Single bowl with single drain board manufactured from high quality premium SS304 stainless steel, supporting bracket with screws etc.complete.Works including cutting and making good the walls /floor wherever required, including cost and conveyance of all materials to the site, all labour charges, all taxes etc., complete, finished item of work and as directed by the SiteEngineer/ In-Charge.				
6.1	a)SS sink with Singlebowl with drain board-40"X20"-Bowl size:20"X16"X8"- Parryware-model no:8531,	QRO	EACH		
7	Supplying and fixing 15mm CP brass Sink cock with regular swinging spout(wall mounted) etc.complete				
7.1	Sink cock-Jaquar-Florentine-model no:5347cp	QRO	EACH		
8	Supplying,installing, testing and commissioning of white color New magnum urinal with integrated spreader with cp connection pipe and elbow & nipple, waste coupling, 32mm bottle trap ,Fisher bolts/brackets,washers, screws etc.complete. Works including cutting and making good the walls /floor wherever required, cost including of conveyance of all materials to the site, all labour charges, complete.etc.complete				
8.1	New magnum urinal - Parryware- 590x400x390 model no:0575				
8.2	Parryware-Urinal spreader-C8095cp				
8.3	Jaquar-Urinal Valve Auto Closing System with in built control cock-model no:077 cp				
8.4	CP bottle trap,CP waste coupling - Jaquar - Allied-Model no:769,705/709				
8.5	CP connection pipe,elbow & nipple				
8.6	Providing and fixing of White Color New magnum Urinal set	QRO	EACH		
9	Supplying,installing,testing and commissioning of 15mm CP angle valve with flange including necessary screws for aqua guard etc.complete.				
9.1	Angle valve-Jaquar-Continental-model no:053cp	QRO	EACH		
10	Supplying and fixing of CP brass angular stop cock with Health Faucet and 1 m flexible tube with wall hook,screws etc.complete.				
10.1	Jaquar-Allied-model no:573cp				
10.2	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053	1	SET		
11	Supplying and fixing 15mm CP Long body bib tap with flange for janitor closet areas etc. complete.				
11.1	Jaquar-continental-model no:107	QRO	EACH		
12	Supplying and fixing of Jaquar make 15mm CP short body bib tap with flange for ewc closet areas etc. complete.				
12.1	CP Short body bib tap-Jaquar-Continental range-model	QRO	EACH		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	no:037				
13	Supplying,instaling,testing and commissioning of electric water heater with CP angle valve, Conection tube swith wall flange, clamped to the wall etc. complete				
13.1	30lit.capacity water heater-Racold ariston model-fibre body				
13.2	15mm cp brass angular stop cock with wall flange-Jaquar - Continental-model no-CON-053	QRO	EACH		
14	Supplying and fixing Compact hand towell dispenser,accomadates 150 towels (Kimberly clark make) for wash basin fixing with necessary screws etc., complete				
14.1	Compact towell dispenser(Pearl white)-01132;size-270X190X115mm				
14.2	Kleenex multi fold towels-01221,1 packet=125 sheets	QRO	EACH		
15	Supplying and fixing of Jaquar make Soap dispenser with glass bottle for wash basin areas etc. complete.				
15.1	Soap dispenser with glass bottle-Jaquar-Continental range-model no:ACN-1135N	1	EACH		
16	Supplying and fixing of Jaquar make cp Double coat hook fixing with necessary screws etc., complete				
16.1	Jaquar-Kubix-model no:ACN-35761	1	EACH		
17	Supplying and fixing exposed type Toilet paper holder with out flap fixing with necessary screws etc., complete				
17.1	Jaquar-continental-model no:1151N-cp	1	EACH		
18	Supplying and fixing cp Towel ring- fixing with necessary screws etc., complete				
18.1	Jaquar-Continental-model no:1121BN	1	EACH		
19	Supplying and fixing cp Towel rod- fixing with necessary screws etc., complete				
19.1	Jaquar-Continental-model no:1111cp	QRO	EACH		
20	Supplying, fixing and commissioning of Urinal Granite partition allround polished of size 450x900x18mm/20mm thick,(shape as per architectural drg)using 2 nos ss clamps embedded in 150 x 150 PCC pocket etc.complete	QRO	EACH		
21	Supplying and fixing of approved make 6mm thick mirror- 750 x 1800 mm size for wash trough areas - with Teak wood frame and water proofed plywood backing, including polishing etc. complete	1	EACH		
B	INTERNAL DRAINAGE SYSTEM				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Rates under Supply and Fixing will include (a). Cost of specified material with taxes and transpoting to site, (b). stacking and storing them at site, (c.) Lead and lift to convey the materials with in the site for installation of materials in their position as needed (d.) Cutting the masonry or concrete surfaces to facilitate fixing (e.) Restoring damaged portions to their original condition with supply of materials like cement, river sand, stone chips, brick etc. (f.) convey all the broken materials taken out of damaged portion within the toilet & shaft area by head load via staircase, to be dumped out of the work site for onward clearance by another agency (g.) all the works are to be carried out as per description mentioned against each item of work mentioned in schedule of quantities (h.) all tools and plants needed for the job to be brought in by the contractor at their cost including maintenance expenses, replacement at their cost wherever required – either in full or in part (i.) fixing materials like rackets, screws, bolts, nuts etc.				
1	Supplying, fixing and testing of approved make of 10kg PVC pipes confirming to IS 4985-2000. and fittings (moulded and fabriacted fittings) such as tee, elbow, 'y' , coupler, etc confirming to IS 7834 with latest amendment for soil and waste pipe works in toilets and utility area,basement storm water drain etc. Pipes shall be laid in sunken floors as per approved drawings with gradient mentined in the drawings with proper brick pedestal supprts. For laying the pipes in walls, before chasing, the pipe line routing shall be marked using chaulk line with help of tupe level, wall cutting shall be done using wall cutting machine, and chasing to be done using electric jack hammer machine. Cutting and chasing with hammer shall not be permitteted. Pipes and fittings shall be cleaned with pipe cleaners and joined by approved approved make solvent cement. After laying the pipes, before cloasing tthe pipes, gravity test to be conducted and got the approval from the site engineers. chased portions shall be covered with cement mortar. Work includes making required size holes in brick walls wherever necessary and re do same with water proofing components to the entire satisfaction of site engineer.etc complete. All the stub outs shall be closed with proper end caps till of installation of sanitraywares and accessories etc. complete.				
1.1	40mm dia Sch-80 upvc pipe for flush valve drain	2	RM		
1.2	40mm dia	2	RM		
1.3	50mm dia	10	RM		
1.4	63mm dia	QRO	RM		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
2	Supplying, fixing and testing of approved make of SWR - B- Class PVC pipes and fittings confirming to IS 13592-1992. and fittings (available fittings in market and fabricated fittings) such as tee, elbow, 'y' , coupler, etc. confirming to 14735 with latest amendment for soil and waste pipe works in toilets and utility area,etc. Pipes shall be laid in sunken for all floor toilets as per approved drawings with gradient mentioned in the drawings with proper supports.Wall cutting shall be done using wall cutting machine, and chasing to be done using electric jack hammer machine. Cutting and chasing with hammer shall not be permitted. Pipes and fittings shall be cleaned with pipe cleaners and joined by approved approved make solvent cement. After laying the pipes, before closing the pipes, gravity test to be conducted and got the approval from the site engineers. chased portions shall be covered with cement mortar. Work includes making required size holes in brick walls wherever necessary and re do same with water proofing components to the entire satisfaction of site engineer.etc complete. All the stub outs shall be closed with proper end caps till of installation of sanitarywares and accessories etc. complete.				
2.1	75mm dia	QRO	RM		
2.2	110mm dia	15	RM		
3	Providing and Laying Plain cement concrete (1:4:8) encasing for internal pipes laid in sunken floor, 100mm thick around the pipes with the help of necessary wooden shuttering etc. complete.				
3.1	75 to 110mm dia	0.00	CUM		
4	Fabricating, supplying, and fixing of Truebore make 4mm wall thickness uPVC Floor traps, made out of 110mm dia PVC Pipe with single or multiple inlets of size 40mm to 75mm dia.(boss tee connections), outlets of sizes 63 mm to 75mm, with min.2" water seal, fixing in position, using cement concrete 100 mm around to full depth of trap/suspended in ceiling level with proper supports, including providing FRP matting at bottom, inlet and outlet etc, complete.	2	EACH		
5	Supplying,fixing and testing of PVC 'P' trap 110mm dia extension boss tee arrangements with female thread fix with the Staninless steel heavy duty clean out in male thread with gascet and three ss screws/PVC heavy duty clean out for urinals, etc., complete	1	NOS		
6	Supplying,fixing and testing of Heavy duty Floor Clean Out which are provided in floors slab ,with female thread fix with the SS/Pvc heavy duty clean out plug in male thread with gasket and 110mm dia boss tee arrangements etc. complete				
6.1	75 mm dia	QRO	NOS		
6.2	110 mm dia	1	NOS		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
7	Drilling with core cutting in RCC beams, slabs, floors etc.,for laying pipes and rendering the same in RCC 1:2:4, finishing the same to the satisfaction of the Owner or his authorized representative etc.,including nominal reinforcement where ever required, complete. The quoted rate shall also include for providing EPOXY based water proofing compound for sealing the joints around the pipes. Core cut shall be done using rebar detector after getting the approval from the structural consultant..				
8	Fabricating brackets using Mild Steel flats or angles, cutting, welding, forming shapes, providing hot dip galvanizing for brackets, cutting pockets in masonry / concrete surfaces, grouting brackets in concrete of 1:2:4 mix, restoring the damaged portion to their original condition required materials etc. complete.	0.005	MT		
9	Supplying and fixing of pvc grating of approved make, fixed over the floor trap. Works including cleaning of floor traps before fixing the gratings. While fixing the gratings, flooring should be cutted to required size of grating,(not more than 2mm of the grating sizes) using tile cutter etc. complete. The gap should be filled with colored white cement to match the flooring colour. The colour and shape of the gratings shall be got the approval from the architects/consultants	2	EACH		
10	Supplying and fixing of Chilly make CP Anti cockroach floor trap gratings which consisting floor drain grating, inner filter and outfilter and rim , fixed over the floor trap. Works including cleaning of floor traps before fixing the gratings. While fixing the gratings, flooring should be cutted to required size of grating,(not more than 2mm of the grating sizes) using tile cutter etc. complete. The gap should be filled with colored white cement to match the flooring colour. The colour and shape of the gratings shall be got the approval from the architects/consultants. To avoid damage of the cp gratings, acid cleaning of flooring shall be done before fixing of gratings.	QRO	EACH		
C	<u>WATER SUPPLY SYSTEM</u>				
	<u>(Internal water supply with in Toilet)</u>				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
1	Supplying, fixing and testing of approved make uPVC pipe - SCH 80 grade-pipes and same fittings. Using Schedule-80 pipes are confirming to ASTM D-1785 and SCH-80 fittings are confirming to ASTM D-2467,Solvent cement is confirming to ASTM D 2564 , for Domestic water supply within the toilets areas, kitchen and pantry areas - Concealing in walls & ledge walls, with necessary fittings such as tee,elbow,union,nipple. including brass moulded fittings, brass male/female adapters etc., .,including cutting and jointing using uPVC solvent cement as per manufacturer's recommendation ,chasing the wall and fixing the pipe with proper clamp supports, redoing the same, and fixed properly, ceiling level and running in sunken floor level with proper pipe supports etc. complete.Works also include to provide bitumen painted hessian cloth insulation on buried pipes etc...complete.Works to include necessary identification marks,flow direction marks on the pipes which are visible ,exposed lines.Pipes mounted on the necessary paver block supports,refilling by sand etc complete.Works include excavation in all sorts of soils, laying the pipe, provide sand cushion all around the pipes, and refilling the same.				
	Internal water supply:				
	Making of water supply pipes connected with the fittings by uPVC solvent cement as per the drawing routing, pipes chasing in the wall, running in sunken floors/suspended in ceiling level with proper clamp pipe Supports with in the toilets,kitchen,pantry,hand wash,plate wash and service areas.Works including cutting in the wall,floors and necessary areas and refilling the same.				
	Testing:				
	All water supply pipes undergo testing to withstand the necessary hydraulic pressure (7 kg/cm ²) for 24 hr etc complete.				
1.1	3/4"dia (ID)	10	RM		
1.2	1"dia (ID)	5	RM		
1.3	1 1/4"dia (ID)	QRO	RM		
1.4	1 1/2"dia (ID)	QRO	RM		
2	Supplying, fixing and testing of approved make hot forged and sand blasted Brass ball valve with full port,Silicon free,double viton O-ring stem seal,Dacrotized carbon steel handle and nickel plated stem,teflon ball seat on both sides,forged brass hard chrome plated steel ball tested to a pressure not less than 15kg/sqcm with threaded / flanged joints complete with nuts, bolts,gaskets,washers,mta and union etc complete.				
2.1	20mm dia	QRO	EACH		
2.2	25mm dia	1	EACH		
2.3	32mm dia	QRO	EACH		

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
2.4	40mm dia	QRO	EACH		
3	Supplying,fixing of approved make Brass 'Y' strainer on delivery line with necessary accessories etc., complete				
3.1	50mm dia	QRO	EACH		
4	Supplying, fixing and testing of approved make C.I Wafer type Check valve etc.complete				
4.1	40mm dia	QRO	EACH		
D	EXTERNAL DRAINAGE & WATER SUPPLY				
1	Supplying, laying, testing and commissioning approved make of SWR PVC- B Class pipe for 75/110/160 mm dia confirming to IS 13592-1992 and 6kg UPVC Pipes for 200/250/315/400 mm dia confirming to IS 4985 - 2000 for underground drainage and sewerage systems - pipes in trenches to required gradients and burried in ground level etc., complete. Rates to include excavation in all kinds/types of soils including hard laterites but except hardrock for laying pipes,,forming bottom surface to required level, refilling selected excavated earth around the encasing, watering, consolidating and disposing off the surplus earth with in the site or as directed by the site engineer etc., Works included pumping out water from trenches with shoring wherever necessary.External sewage pipes are burried in ground level from inspection chamber to inspection chamber,finally goes to sewage collection well.Using solvent cement joints for jointing the pipes with fittings like coupler,elbow,bend and fabricated fittings etc complete.				
1.1	110mm dia - 500 to 1000 depth	5	RM		
1.2	160mm dia - 500 to 1000 depth	5	RM		
2	Providing pcc encasing for all external pipes with laying cement concrete 1:3:6 mix using 6mm jelly casing all round the pipes etc., complete				
2.1	110mm to 160mm dia	4	RM		
6	Making connection to the Existing sewer line ,works including necessary pipes, fittings, and cutting the wall of existing IC and making good the road after connection.	1	LS		
8.1	1"dia (ID)	10	RM		
8.2	1 1/4"dia (ID)	1	RM		
8.3	1 1/2"dia (ID)	QRO	RM		
11	Making connection to the External main water line of dws, fws , works including necessary pipes, fittings, and cutting the main road/landscaped area and making good the road after connection.	1	EACH		
CURTAIN WORK					
	Type -I (Surgical Curtain)				

S. No	Description of work	Qty	Unit	Unit Rate in Rs.	Total Rate in Rs.
	Curtain fabric weight shall be up to 275-300 ($\pm 5\%$) gsm Composition of fabric shall be polyester yarn I.E. 300 denier fast colour sink age shall be ($\pm 5\%$) Weft and warp shall be polyester / cotton polyester mix	27	M.SQ		
	Type - II (Window & Door Curtain)				
	Curtain fabric weight shall be up to 250-275 ($\pm 5\%$) gsm Composition of fabric shall be polyester yarn I.E. 300 denier fast colour sink age shall be ($\pm 5\%$) Weft and warp shall be polyester / cotton polyester mix	24	M.SQ		
	Total Rate in Rs.				
	GST @ 18% in Rs.				
	Grand total in Rs.				