

TENDER DOCUMENT

CIVIL & ELECTRICAL WORKS

FOR

**CONSTRUCTION OF LIFE CARE CENTER (LCC)
BUILDING AT GOVT. MEDICAL COLLEGE, THRISSUR**

**HLL LIFECARE LIMITED,
INTERNAL PROJECTS,
CENTRAL ENGINEERING DIVISION,
PEROORKADA FACTORY,
THIRUVANANTHAPURAM – 695 005,
KERALA, INDIA.**

Phn: 0471 – 2437270, 2433374

NOVEMBER 2015

HLL LIFECARE LIMITED
(A Government of India Enterprise)
Internal Projects,
Central Engineering Division,
Peroorkada. P.O, Thiruvananthapuram – 695005,
Kerala, India
Phn: 0471 – 2437270, 2433374

INVITATION FOR BIDS (IFB)

IFB No : **HLL/CED/IP/LCC-THRISSUR/C&E/2015**
Date : **17-11-2015**

HLL Lifecare Limited (HLL), a Government of India Enterprise is in the process of setting up a Life Care Centre (LCC) unit at the premises of Government Medical College, Thrissur. 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 in Rs
1	Civil & Electrical works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur	As per Schedule IV	Rs 25,000/-

2. The bid documents will be available up to 15.00 Hrs. on the previous working day of the opening of the bids. The scheduled date for issue, receipt and opening of bids is as follows.

- a) Date of issue of tender document - 17-11-2015 onwards
- b) Last date and time for receipt of bids - 09-12-2015 up to 15.00 Hrs.
- c) Date and time of opening of bids - 09-12-2015, 15.30 Hrs.
- d) Address for communication, receipt and place of opening of bids:

Senior Manager (Internal Projects),
Central Engineering Division,
HLL Lifecare Limited (A Government of India Enterprise),
PB No 2, Peroorkada, Thiruvananthapuram – 695005,
Kerala State, India
Ph: (++91 471) 2433374,2437270 – 502, 503
E-mail: srnair@lifecarehll.com, hari Krishnankp@lifecarehll.com

3. The completed and sealed bid documents should be submitted to Senior Manager (Internal 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.

4. 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 2 (d) above.
5. 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.
6. 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.
7. 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.
8. The EMD should be enclosed in a separate envelope and super scribed as "EMD" and to be attached in the main cover.
9. SSI 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.
10. 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.
11. 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 III)
 - e. All other documents/certificate/information as specified in the bid document.
12. In addition to the invitation for bids, the bidding documents include the following schedules.

Schedule II	-	Conditions of Contract
Schedule III	-	Schedule of Work
Schedule IV	-	Acceptance Form

SENIOR MANAGER (INTERNAL PROJECTS)

SCHEDULE II

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, labor charges, insurance etc. The **Schedule of Work** is enclosed as **Schedule III**.

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 taxes including sales tax, service tax, entry tax, 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 labour 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 labor charges, conveyance to site, handling charges, loading and unloading charges, hiring charges, clearing of debris, statutory payments etc.

4) COMPLETION TIME

Work should be completed within **8 WEEKS** from the date of issuing the Letter Of Intent or Work Order.

5) PAYMENT TERMS

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

- a) 80% of the bill value will be paid on each running account bill submitted by the contractor.
- b) Balance 20% will be paid along with the final bill only after issue of Work Completion certificate by Engineer In Charge/Officer In Charge of HLL Lifecare Ltd.

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

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 HLL Engineer in charge and the Contractor's representative.

Tax Deduction: All statutory deductions like 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

- 6.1 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, Peroorkada Factory, 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.
- 6.2 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.
- 6.3 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

- 7.1 Each bid must be accompanied by E.M.D.
- 7.2 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, Peroorkada Factory, 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.

7.3 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

8) 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.

9) 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.

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

- 10.1) 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.
- 10.2) 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.

11) 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 week of delay, subject to a maximum of 7.5 % 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.

12) SPECIAL INSTRUCTIONS

- a) **The bidder shall visit the site before quoting for the work and also take their own assessments before quoting of bids.**
- b) 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.
- c) During the execution of work, the contractor or authorized representative should be present at site.
- d) 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.
- e) The materials used shall be as per specification and of good quality.
- f) 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. The work site safety of all employees, their ESI, PF etc will have to be borne by the contractor.
- g) 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.

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

- h) 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.
- i) 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.
- j) 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.
- k) Special care is to be taken for cleanliness of the site. After the end of day's work, the site should be cleaned immediately.
- l) The Contractor shall have to co-operate with the agencies executing other works in the same area.
- m) While executing the work, the Contractor shall ensure safety and security of the property of the Purchaser/Owner so as to avoid theft etc.
- n) 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.

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

13) CORRESPONDENCE

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

Senior Manager (Internal Projects),
Central Engineering Division,
HLL Lifecare Limited (A Government of India Enterprise),
PB No 2, Peroorkada, Thiruvananthapuram – 695005,
Kerala State, India
Ph: (++91 471) 2433374,2437270 – 502, 503
E-mail: srnair@lifecarehll.com, harikrishnankp@lifecarehll.com

14) 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 any thing 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 IV

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 (Internal Projects),
Central Engineering Division,
HLL Lifecare Limited
(A Government of India Enterprise),
PB No 2, Peroorkada,
Thiruvananthapuram – 695005,
Kerala State, India
Ph: (++91 471) 2433374,2437270 – 502, 503

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 - SCHEDULE OF WORK

Sub:	Civil and Electrical Works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur - reg.				
Sl.No.	Description of Item/Work	Quantity	Unit	Rate in Rs	Amount in Rs
1	Site clearance and leveling	1	L/s		
2	Earth work excavation for foundation in all classes of soil except hardrock and depositing on bank with initial lead upto 50 metre and lift upto 1.5 metre, including breaking of clots, sectioning of spoil bank, filling in the sides of trenches, basement watering, ramming, consolidating etc. complete	60	cum		
3	Providing and laying in position cement concrete of specified grade including the cost of materials, labour, conveyance etc. complete				
a)	1:4:8 (1 cement : 4 coarse aggregate : 8 broken stone) using 40mm broken stone aggregate finished with a flushing coat of neat cement slurry	5	cum		
b)	1:2:4 (1 cement : 2 coarse aggregate : 4 broken stone) using 20mm broken stone aggregate	10	cum		
4	Random Rubble masonry in cement mortar 1:6 for foundation and basement including simultaneous pointing to the exposed face of masonry with the same mortar including scaffolding charges and curing etc complete	40	cum		
5	Earth filling, ramming,watering levelling & consolidation etc. by using the earth available near the site as directed by the Engineer in -charge	60	cum		
6	Providing and laying in position Reinforced cement concrete, including the cost of centering, shuttering, finishing for footings, columns, pedestals, retaining walls etc. (excluding the cost of reinforcement)				
a)	1: 1.5: 3 (1 cement :1.5 coarse sand:3 graded stone aggregate 20mm nominal size)	5	cum		
b)	Reinforcement for RCC work using TMT steel including straightening, cutting, bending, placing in position and binding all complete	500	kg		
7	Providing 23cm brick masonry wall in CM 1:6 using 1st class country burnt bricks including cost and conveyance of all materials, hire and labour charges etc. complete.	20	cum		
8	Providing 11.5cm brick masonry wall in CM 1:6 using 1st class country burnt bricks including cost and conveyance of all materials, hire and labour charges etc. complete.	5	cum		
9	Plastering the brick wall in CM 1:6 12mm thick one coat inside and outside walls floated hard and trowelled smooth including cost and conveyance of all materials, curing,hire and labour charges etc. complete.	300	sqm		
10	Concrete hollow block of size 40x20x15 of approved quality in cement mortar 1:5 for super structure including curing, hire charges for scaffolding, cost and conveyance of all materials &labour charges etc; complete	5	cum		
11	Roof Truss Work using truss -OUTER FRAME 40X40X16 swg ,INSIDE BRAZING-20X20X16swg PURLINGS-32X32X16 swg,, LATEES-100X,X50X12swg around all vertical legs swg PLATES, 6mm MS plate, 12mm anchor bolts,LEGS-3" box section 3.2mm thick GUTTERS-6" PVC fixed by using 25x6mm MSflat clamp, SHEET-40tk Trafford galvalume sheet including ridges, 55mm long self-screws, anti corrosive and painting -One coat primer, two coats enamel etc complete	130	sqm		

SCHEDULE III - SCHEDULE OF WORK

Sub:	Civil and Electrical Works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur - reg.				
Sl.No.	Description of Item/Work	Quantity	Unit	Rate in Rs	Amount in Rs
12	Providing and fixing hard drawn steel wire fabric 75x25 mm mesh of weight not less than 7.75 Kg per sqm to window frames etc. including 62x19 mm beading of second class teak wood and priming coat with approved steel primer all complete	13	sqm		
13	Supply, fabrication and fixing of structural steel work including MS angles, MS base plate, channels, flats etc including welding, cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and two coats enamel paint etc all complete as per the direction of Engineer-in-charge	1500	KG		
14	Providing and fixing suspended false ceiling with PVC interlocking ceiling panels (sintex or similar) 3600x250x8mm securely fixed to the soffit by suitable hangers/ clamps and fixed to the walls using PVC cornice / aluminium L angle 24mx24mm along the entire perimeter with provision for trap door, light fittings etc. using aluminium box frame (25mmx25mm or as required) and shutters fixed with T-section, hinges including cost of all materials, labour charges, all scaffolding charges etc; complete	100	sqm		
15	TILING WORK				
a)	Flooring including skirting with glazed vitrified floor tiles of size 60x60 cm of thickness 10 mm of Marbonite/Somany/Kajaria/NITCO/RAK in light colours and shades, on CM 1:4 (1Cement and 4 fine-aggregate) 12mm thick, pointing the joints with white cement and matching pigments (including cost and conveyance of all materials, labour charges) etc. after chipping the existing floor surface complete, as per the direction of Engineer-in-charge	80	sqm		
b)	Providing and laying Ceramic floor tiles 300 x 300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 13755 of Marbonite/Somany/Kajaria/NITCO/RAK in all colours, shades except White, Ivory, Grey, Fume Red Brown laid on 20mm thick bed of Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigments etc., complete in Wash/Toilet Area, as per the direction of Engineer-in-charge	8	sqm		
c)	Providing and fixing 1st quality ceramic glazed wall tiles upto a height of 3 metres, Size 300 x 450mm size conforming to IS : 15622 (thickness to be specified by the manufacturer) of approved make (Marbonite/Somany/Kajaria/NITCO/RAK) in all colors, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete as per the direction of Engineer-in-charge	30	sqm		
d)	Providing and Laying the inter locking tiles of approved size and colour over a bed of 6mm metal not less than 50mm thick including cost of all material, earth leveling, compacting and concrete locking at the edges, etc, complete.	50	sqm		
16	ROLLING SHUTTERS				
	Providing and fixing rolling shutters of approved make made of required size M.S laths inter locked together through their entire length and jointed together at the end by end locks, Mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation, 2 coats of enamel paint after applying metal primer etc. complete including the cost of providing and fixing necessary 27.5 cm long wire springs grade No.2 and M.S top cover of required thickness for rolling shutters.				
a)	80 X1.25 mm M.S. laths with 1.25 mm thick top cover	75	sqm		
b)	Providing and fixing ball bearing for rolling shutters	18	each		

SCHEDULE III - SCHEDULE OF WORK

Sub:	Civil and Electrical Works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur - reg.				
Sl.No.	Description of Item/Work	Quantity	Unit	Rate in Rs	Amount in Rs
17	ALUMINIUM WORK				
a)	Providing and fixing powder coated aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS: 733 and IS:1285, transparent or dyed to required shade according to IS:1868, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing/panelling, C.P.brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing and panelling to be paid for separately, if required)				
	i) For fixed portion	200	Kg		
	ii) For shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings wherever required including the cost of PVC/neoprene gasket as required	50	Kg		
b)	Providing and fixing 12mm thick prelaminated three layer medium density (exterior grade) particle board Grade I, Type II conforming to IS:12823 bonded with phenol formaldehyde synthetic resin, of approved brand and manufacture in panelling fixed in aluminium door, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge.				
	(i) Prelaminated particle board with decorative lamination on both sides	35	sqm		
c)	Providing and fixing glazing in aluminium doors & window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item).				
	(i) With glass panes of 4.0 mm thickness (weight not less than 10.0kg/sqm)	25	sqm		
	(ii) With glass panes of 5.50 mm thickness (weight not less than 13.75 kg/sqm)	15	sqm		
d)	Providing and fixing 12 mm thick framed glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, SS tubular handle bar (32 mm outer dia, 3.0 mm thick & 450mm long with SS screws etc. complete), lock and stopper etc. all complete as per direction of Engineer-in-charge.				
e)	Supplying & Fixing Aluminium sliding Doors using 1.5mm thick sections including all cost of Materials, Labour etc. complete as per the instruction of the EIC				
		3	sqm		
f)	Providing and fixing double action hydraulic floor spring of approved brand and manufacture IS:6315 marked, Hardwyn make (model 3000) or equivalent 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.				
	i) With stainless steel cover plate	6	no		
g)	Providing etching work to glass of door and fixed partitions as directed by the Engineer in charge as per design and pattern to exact finish including all charges etc complete				
		10	sqm		
h)	Supplying and fixing sun control film of black shade including cost and conveyance of all materials, labour charges etc complete as per the direction of Engineer-in-charge				
		6	sqm		

SCHEDULE III - SCHEDULE OF WORK					
Sub:	Civil and Electrical Works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur - reg.				
Sl.No.	Description of Item/Work	Quantity	Unit	Rate in Rs	Amount in Rs
	i) Providing, supplying and fixing white mat film to glass of door and fixed partitions as directed by the Engineer in charge as per design and pattern to exact finish including all charges etc complete	20	sqm		
	j) Providing and fixing hydraulic door closer of approved brand and manufacture marked, Hardwin Euro-20, Everite or equivalent including all charges	4	no		
	k) Providing and fixing American door handle of approved brand and manufacture including all charges.	5	no		
18	Providing and fixing 18 mm thick mirror polished, machine cut granite slabs for platforms vanity counters, facias and similar locations of required size of approved shade, colour and texture laid over 20 mm thick based cement mortar 1: 4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing etc completed at all levels.	10	sqm		
19	Extra for providing edge moulding to 18 mm thick Granite slabs above, including machine polishing to edge to give high gloss finish etc complete as per design approved by Engr.in charge	30	mtrs		
20	PAINTING WORK				
	a) Preparing the surface by scraping and cleaning thoroughly by removing any algae, fungus and loose mortar and washing, cleaning, levelling etc complete at all heights as directed by the Engineer in charge.	500	sqm		
	b) Applying one coat of cement primer of approved brand and manufacture on wall surface	100	sqm		
	c) Wall painting (Two or more coats) with Exterior plastic Emulsion paint of approved brand and manufacture to give an even shade. Make: Asian Paints/CI/NEROLAC/BERGER	60	sqm		
	d) Wall painting (Two or more coats) with interior plastic emulsion paint of approved brand and manufacture to give an even shade. Make: Asian Paints/CI/NEROLAC/BERGER	90	sqm		
	e) Painting with synthetic enamel paint (Two or more coats) of approved brand and manufacture of required colour to give an even shade. Make: Asian Paints/CI/NEROLAC/BERGER	200	sqm		
21	Providing and fixing wash basin with CI brackets, 15mm CP brass pillar taps, 32mm CP brass waste of standard pattern, 32mm dia PVC waste semi rigid pipe including painting of fittings and brackets, cutting and making good the walls wherever required				
	White vitreous china wash basin size 630x450mm with a single 15mm CP brass pillar tap, waste line etc complete	1	No		
22	Providing and fixing white vitreous china pedestal type water closet (European type type W.C pan) with seat and lid, 10litre low level white PVC flushing cistern with manually controlled device (handle lever) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required, MAKE: HINDWARE/RAK/CERA or equivalent	1	no		

SCHEDULE III - SCHEDULE OF WORK

Sub:	Civil and Electrical Works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur - reg.				
Sl.No.	Description of Item/Work	Quantity	Unit	Rate in Rs	Amount in Rs
23	Supplying, fixing and joining with solvent cement pasted SWR 6kg/sqcm PVC pipes joining specials such as tees, bends, elbows etc. including cutting masonry or concrete floors, slabs, walls etc, wherever necessary for taking connections, embedded in cement mortar complete for waste water lines and connected to the existing connection. MAKE: HYCOUNT				
	a) 110mm	12	mtrs		
	b) 75mm	10	mtrs		
	c) 50mm	10	mtrs		
24	Supplying, fixing and joining with solvent cement pasted 10kg/sqcm pipes joining specials such as tees, bends, elbows etc. including cutting masonry or concrete floors, slabs, walls etc, wherever necessary for taking connections and fixing pipes with clamps on rails suitably complete.				
	a) 50mm	12	m		
	b) 40mm	12	m		
	c) 32mm	12	m		
	d) 25mm	12	m		
	e) 20mm	12	m		
25	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end)				
	a) 32 mm or nearest dia.	1	no		
	b) 25 mm or nearest dia.	1	no		
26	Providing and fixing square-mouth S.W. gully trap grade 'A' complete with C.I. Grating brick masonry chamber with bricks of class designation 50 and water tight C.I cover with frame of 300X300mm size (inside) the weight of cover to be not less than 4.5 kg and frame to be not less than 2.7 kg as per standard design.	3	no		
27	Constructing brick masonry manhole with 50 class designation bricks in cement 1:4 (cement:4 coarse sand) R.C.C top slab with 1:2:4 mix (1 Cement:2coarse sand: 4graded stone aggregate 20 mm nominal size).foundation concrete 1:4:8 mix (1 cement:4 coarse sand :8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1cement:3fine sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1cement:2 coarse sand :4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
	a) Inside size 30cmx30cm and 45cm deep including C.I cover with frame (medium duty) 500mm internal diameter, total weight of cover and frame to be not less than 116kg (weight of cover 58kg and weight of frame 100kg)	1	no		
28	Constructing soak pit by sinking precast concrete rings of diameter 1.5m and depth 3.00m filled with brick bats including PVC drain pipe 110mm diameter and 1.2m long including excavation etc. complete	1	each		
29	Providing and installing readymade plastic septic tank 2000 litres capacity including excavation etc. complete.	1	set		
30	Supply and Installation of 300mm sweep 950rpm suitable for 230V, 1 phase a/c supply Crompton/Bajaj or equivalent make exhaust fan for wash/toilets	3	each		
31	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 volts, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 amps tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCB's as required with MCB/RCCB/Isolator. 8 Way (4+24), Double door(PDB), Havells/Legrand/ABB or equivalent	1	set		

SCHEDULE III - SCHEDULE OF WORK

Sub:	Civil and Electrical Works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur - reg.				
Sl.No.	Description of Item/Work	Quantity	Unit	Rate in Rs	Amount in Rs
32	Supply, Installation, Testing & Commissioning of Metering Panel including 3 Phase Digital Energy meter suitable for 3 Nos 60/5 CT and protective fuses, indicators etc. complete. Make: Enercon/Conserve or equivalent	1	set		
33	Supplying and fixing TP sheet steel enclosure on surface/ recess along with 16/25/32/40amps 415 volts "C" curve TP MCB complete with connections, testing and commissioning etc. as required.(HVAC Units). MV cables/Cable Trays/Bus bars	2	set		
34	Supply and Laying of XLPE insulated XLPE sheathed steel armored / unarmored, Aluminium / Copper conductor cable 1.1KV class cable 'as per IS1554 Part-I. The cable shall be laid on existing cable tray using clamps nuts, bolts etc. as required as per the best engineering practices.(Including Termination)				
	Al. Conductor.Armoured XLPE insulated Cables				
a	4C x 25 sq. mm Ar. Al. XLPE cable (DB) approx	100	mtrs		
b	4C x 16 sq. mm Ar. Al. XLPE cable (UDB)	50	mtrs		
35	MultistrandCu.Conductor. Flexible FRLS PVC insulated Cables with termination, Finolex or equivalent				
a	3C x 2.5 sqmm flexible PVC Cable	25	mtrs		
36	LIGHTING /POWER OUTLETS. Light Point Wiring. 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 GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required.				
a	1 light points controlled by 6A modular type SP switch	20	pts		
b	2 light points controlled by 6A modular type SP switch	10	pts		
37	Wiring for circuit/ submain wiring along with earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required (including chipping, cutting and finishing, making good the surface).				
a	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	270	mtrs		
b	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	90	mtrs		
c	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	30	mtrs		
38	POWER OUTLETS				
	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 3 pin 5/6 amps modular socket outlet and 5/6 amps modular switch, connection etc. as required.	15	nos		
39	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16amps modular switch, connection etc. as required.	8	nos		
40	EARTHING SYSTEM				
	Earthing with G.I. earth pipe 1.5 meter long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required (As per IS3043/87)	2	set		
41	EARTH STRIPS				
	Providing and fixing No10 Copper wire on surface or in recess for loop earthing along with existing surface/ recessed conduit/ sub main wiring/ cable as required	50	mtrs		

SCHEDULE III - SCHEDULE OF WORK					
Sub:	Civil and Electrical Works for construction of Life Care Center (LCC) Building at Govt. Medical College, Thrissur - reg.				
Sl.No.	Description of Item/Work	Quantity	Unit	Rate in Rs	Amount in Rs
42	Light fixtures/ Fans/Ex Fans/ Miscellaneous				
	Installation, testing and commissioning of pre-wired, fluorescent fitting / compact fluorescent/LED 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.(Excluding rate of fixtures)	32	Nos		
43	Supply of Following Light fixtures				
a)	28W LED Fitting suitable to 1x40W FTL MO Fitting, (Make: Wipro/Philips or equivalent)	9	nos		
b)	12W LED Fitting suitable (Make: Wipro/Philips or equivalent)	3	nos		
44	Supply & installation of indoor type recessed mounting mirror optic luminaries suitable for 2x18W CFL lamp complete with all accessories and lamp of Make: Wipro/Philips or equivalent (false ceiling mounted) as per the direction of Engineer in charge	20	nos		
45	Supplying and fixing following size/ modules, GI box along with modular base & cover plate for modular switches in recess etc as required.1 or 2 Module (75mmX75mm).	12	nos		
46	Supplying and fixing following modular switch/socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. Havells/L&T or equivalent	10	nos		
47	Telephone Socket outlet. Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.	5	nos		
48	DATA Socket Supply and Laying Cat-6 Networking cable in medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit	200	mtrs		
49	Supply and Laying following pair 0.5 sq mm FR PVC insulated annealed copper conductor, unarmored telephone cable in medium class PVC conduit along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit. Accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit.	150	mtrs		
50	Supply and installation of following capacity Split Air conditioning systems (5 star rating) (Make - Voltas/Blue Star/Carrier or equivalent) including suitable refrigerant Copper piping (minimum 5 metres), Cordless remote control type with LCD display, Sleep & timer control, Corrosion resistant body for out door unit with suitable supports, Flexible air Controls, 1st charge of refrigerant gas, suitable voltage stabilizer etc. complete with all accessories and fittings, for optical shop & pharmacy.				
a)	1.5Tr	2	each		
b)	2.0Tr	1	each		
TOTAL IN RS					
APPLICABLE TAXES					
TOTAL AMOUNT IN RS (INCLUSIVE OF TAXES)					
AMOUNT IN RUPEES:					
I agree to execute the works as per the schedule and at the rates quoted by me as above					
CONTRACTOR					