

# **TENDER DOCUMENT**

**FOR**

**CIVIL & ELECTRICAL WORKS FOR  
SETTING UP OF GUEST ROOMS FACILITY**

**AT**

**HLL LIFECARE LIMITED,  
KHARGHAR, NAVI MUMBAI**

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

**AUGUST 2017**

**HLL LIFECARE LIMITED**

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

**INVITATION FOR BIDS (IFB)**

**IFB No : HLL/CHO/PROJ/KHARGAR/GH-01/2017-18**

**Date : 07-08-2017**

HLL Lifecare Limited (HLL), a Government of India Enterprise is in the process of setting up Guest Rooms Facility at its Office Complex at Kharghar, Navi Mumbai, Maharashtra. 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 their requirements as per our tender.

Sl. No	Brief Description of Item/Work	Qty	EMD in Rs
1	Civil & Electrical works for setting up of Guest Rooms Facility at HLL Lifecare Limited, Kharghar, Navi Mumbai as per the <u>Schedule of Work</u> enclosed.	As per Schedule IV	Rs 30,000/-

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.

- Date of issue of tender document - 07-08-2017 onwards
- Last date and time for receipt of bids - 18-08-2017 up to 15.00 Hrs.
- Date and time of opening of bids - 18-08-2017, 15.30 Hrs.
- Address for communication, receipt and place of opening of bids:

**ASSOCIATE VICE PRESIDENT (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: sreekumar@lifecarehll.com, harikrishnankp@lifecarehll.com

3. The completed and sealed bid documents should be submitted to **Associate Vice President (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 IV)
  - 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 I	-	Conditions of Contract
Schedule II	-	Acceptance Form
Schedule III	-	Capability Certificate
Schedule IV	-	Schedule of Work

**ASSOCIATE VICE PRESIDENT (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, labor charges, insurance etc. The **Schedule of Work** is enclosed as **Schedule IV**.

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, cess, 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 **4 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 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**

- 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, 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, 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) The Supplier/Contractor shall make initial drawings/layouts for the awarded work (as per site conditions) and get it approved by HLL before execution. 3 sets (Original) of final drawings as executed, shall be handed over to HLL after the execution.
- o) 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.
- p) 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.

- q) 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.
- r) 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.
- s) During the execution of work, the contractor or authorized representative/s at least one person having technical qualification should be present at site.
- t) **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:

**ASSOCIATE VICE PRESIDENT (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: sreekumar@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 II**

**ACCEPTANCE FORM**

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

From

To

**ASSOCIATE VICE PRESIDENT (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: sreekumar@lifecarehll.com, harikrishnankp@lifecarehll.com

Dear Sir,

I / We, hereby offer to supply/construct/erect/install/commission the work as detailed in schedules/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 (4 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**

<b>SCHEDULE IV</b>					
<b>Sub:</b>	<b>Civil &amp; Electrical works for setting up of Guest Room Facility in Kharghar Office Building, Kharghar, Maharashtra</b>				
<b>SI No</b>	<b>Item Description/Work</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate in Rs</b>	<b>Amount in Rs</b>
<b>A</b>	<b>CIVIL WORKS</b>				
1	Demolishing brick work in cement mortar manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	m3	3		
2	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	2		
3	Taking out doors, windows and clerestory window shutters (steel, Aluminium or wood) including stacking within 50 metres lead:				
	Of area beyond 3 sq. metres	Each	6		
4	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq. meters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead.	Sqm	10		
5	Brick work in cement mortar 1:4 (1 cement : 4 coarse sand)with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes.	m3	25		
6	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	m3	0.5		
7	Centering and shuttering including strutting, propping etc. and removal of form for :				
	Lintels, beams, bressumers and cantilever	Sqm	5.5		
8	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.				
	Thermo-Mechanically Treated bars. Vizag,TATA or Sail	Kg	20		
9	Plastering with cement mortar 1:4,(1 cement: 4 fine sand) 12 mm thick one coat to the newly constructed wall for one side	Sqm	190		
10	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface and partitions to prepare the surface even and smooth complete.	Sqm	200		
11	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade –Two or more coats on new work.-internal walls	Sqm	300		
12	Finishing walls with Acrylic Smooth exterior paint of required shade :Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	Sqm	20		
13	Providing and fixing 18mm thick 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 coarse 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 0.50 sqm.				
	Granite work.	Sqm	2.5		

<b>SCHEDULE IV</b>					
<b>Sub:</b>	<b>Civil &amp; Electrical works for setting up of Guest Room Facility in Kharghar Office Building, Kharghar, Maharashtra</b>				
<b>SI No</b>	<b>Item Description/Work</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate in Rs</b>	<b>Amount in Rs</b>
14	Providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.				
	Granite work.	m	3.5		
15	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS: 13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required : 610X460mm bowel depth 200mm	Each	1		
16	Providing and fixing PTMT Waste Coupling for wash basin and sink, of approved quality and colour.	Each	1		
17	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.Flexible pipe	Each	1		
18	Providing and fixing 15mm SS steel pillar tap of standard design and of approved make	Each	1		
19	Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge				
	12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595 mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit	sqm	300		

<b>SCHEDULE IV</b>					
<b>Sub:</b>	<b>Civil &amp; Electrical works for setting up of Guest Room Facility in Kharghar Office Building, Kharghar, Maharashtra</b>				
<b>SI No</b>	<b>Item Description/Work</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate in Rs</b>	<b>Amount in Rs</b>
20	Providing and fixing aluminium 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. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium 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: Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	10		
21	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately). Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	5		
22	Providing and fixing glazing in aluminium 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 aluminium snap beading shall be paid in basic item): With float glass panes of 5.5 mm thickness	sqm	3		
23	Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width	m	15		
24	Providing and fixing stainless steel (SS 304 grade) adjustable friction windows stays of approved quality with necessary stainless steel screws etc. to the side hung windows as per direction of Engineerin-charge complete.255 X 19 mm	Each	1		
25	Providing and fixing Pivot type aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with ISI, IS : 3564, embossed on the body, door weight upto 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.	Each	4		
26	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as pertransparent or dyed to IS : 1868) required colour or shade, with necessary screws etc. complete :100 mm	Each	2		
27	Painting with synthetic enamel paint of approved brand and manufacture for required colour to give an even shade :One or more coats on old work	sqm	10		
28	Providing and fixing aluminium tower bolts, 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 : :100x10 mm	Each	2		

<b>SCHEDULE IV</b>					
<b>Sub: Civil &amp; Electrical works for setting up of Guest Room Facility in Kharghar Office Building, Kharghar, Maharashtra</b>					
<b>SI No</b>	<b>Item Description/Work</b>	<b>Unit</b>	<b>Quantity</b>	<b>Rate in Rs</b>	<b>Amount in Rs</b>
29	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/ sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry	Sqm	5		
30	Providing and laying Ceramic antiskid floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	Sqm	5		
31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacturer ) of approved make in all colours, 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.	Sqm	10		
32	Providing and fixing in wall lining medium density fibre board IS: 14587:1998 marked in Storage rack (Legth 2500X600X2000mm with min 5 shelf) and Kitchen Cabinet etc, Pre-laminated one side decorative lamination and other side balancing lamination, with necessary fixing arrangement and screws and moisture resisting treatment etc. all complete as per design ;18mm thick	Sqm	25		
33	Providing and fixing panelling and glazing in panelled or panelled and glazed shutters for doors, windows and clerestory windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled and glazed shutters 25 mm to 40 mm thick :Float glass panes 5.5 mm thick glass panes	Sqm	10		
34	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc25 mm nominal outer dia Pipes	m	10		
35	Repairs to existing Chequerred precast cement concrete tiles in footpath including supply of necessary tiles and jointed with neat cement slurry mixed with pigment to match the shade of tiles including rubbing and cleaning etc. complete, on cement mortar 1:4 (1 cement: 4 coarse sand).	Sqm	50		
36	Providing and fixing uplasticised PVC connection pipe with brass unions : 20 mm nominal bore,45 cm length	Each	4		

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37	Supplying and fixing approved make Brass body nickel plated with stainless steel ball, lever operated Ball Valve, fixing to pipe work with required fixing materials, testing, etc., complete.				
a	Using 20mm dia Ball Valve.	Nos	1		
b	Using 25mm dia Ball Valve.	Nos	1		
c.	Using 32mm dia Ball Valve.	Nos	1		
38	Providing and fixing C.P. Angular Stopcock with CP Tube and Wall Flange of standard design and of approved make.	Each	4		
39	Providing and fixing Ultra Slim High Quality Head Rain Shower 8X8 inch Stainless Steel With Rod including fixing with all fittings and accessories etc complete as per direction of Engineer in Charge	Each	2		
40	Wooden doors: Providing and fixing Commercial wooden flush door with G.I. frame etc complete. Both side approved shed laminate, Suitable handle, hinges, lock, painting etc.complete as per approval of Engineer in Charge and with all accessories.				
a	with vision panel	Sqm	4		
b	Decorative finish without vision panel	Sqm	8		
<b>B</b>	<b>ELECTRICAL WORKS</b>				
i	<b>WIRING</b>				
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 FRLS 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. FRLS PVC insulated copper conductor single core cable etc as required - Group C(Recommended Makes:RRKabel/National/Ralison/RKG/Finolex/Polycab / Havells)	Point	98		
2	Wiring for light/ power plug with 2X4 sq. mm FRLS PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No. 4 sq. mm FRLS PVC insulated copper conductor single core cable for loop earthing as required. ( Recommended Material : Polycab, RR Kabel, V Guard, Havells)	m	300		
3	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.( Recommended Material : RR Kabel/National/Ralison/RKG/Finolex/Polycab / Havells)				
a)	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	m	200		
b)	2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	m	450		
4	Supplying and fixing of following sizes of medium class PVC conduit (ISI brand) along with accessories in surface/recess including cutting the wall and making good the same in case of recessed conduit as required.				
a)	25 mm	m	120		
5	S/F light plug point modular type accessories : 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,painting etc as required.	Each	42		
6	S/F Power plug point with modular type switch : 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 15/16 and 15/16 amps modular switch, connection,painting etc as required.	Each	17		
7	Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.	Each	8		

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8	S/F 20A SPN MCB industrial socket outlet : Supplying and fixing 20 A, 240 V, SPN Industrial type socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 A, "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.	Each	8		
9	S/F Modular boxes, base & cover plate : Supplying and fixing 1 or 2 module ( 75 mmx75 mm),GI box along with modular base, cover plate for modular switches in recess etc as required. 75mmx75mmx60mm deep	Each	30		
10	S/F Modular boxes, base & cover plate : Supplying and fixing 1 or 2 module ( 75 mmx75 mm),GI box along with modular base, cover plate for modular switches in recess etc as required.				
a.	Telephone socket outlet	Each	10		
b.	TV antenna socket outlet	Each	10		
c.	RJ-45 socket outlet	Each	10		
11	Supplying and drawing of UTP 4 pair CAT 6 LAN Cable in the existing surface/ recessed Steel/ PVC conduit as required. 1 run of cable	Each	350		
<b>ii</b>	<b>MCCB, MCB &amp; DB'S</b>				
12	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. (Note : Vertical type MCB TPDB is normally used where 3 phase outlets are required.) 4 way (4 + 12), Double door	Each	1		
13	Supplying and fixing of following ways surface/ recess mounting, vertical type, 415 V, TPN MCB distribution board of sheet steel, dust protected, duly powder painted, inclusive of 200 A, tinned copper bus bar, common neutral link, earth bar, din bar for mounting MCBs (but without MCBs and incomer) as required. 8 way Double door	Each	1		
14	Supplying and fixing following way, horizontal type three pole and neutral, sheet steel, MCB distribution board, 230 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. 4 way (4 + 12), Double door	Each	2		
15	S/F 'C' series, MCB : Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.				
a.	Single pole	Each	36		
b.	Single pole and neutral	Each	2		
16	Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 Amper double pole RCCB	Each	2		
17	Supplying and fixing following rating, four pole, (three phase and neutral), 415 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required. 63A	Each	1		

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18	Supplying and fixing Cable End Box (Loose wire box)(IP 43) suitable for following triple pole and neutral, sheet steel, MCB distribution board, 415 V, on surface/ recess, complete with testing and commissioning etc. as required. For 4 way, Double door TPN MCBDB	Each	2		
19	Supplying and fixing Cable End Box (Loose wire box)(IP 43) suitable for following single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with testing and commissioning etc. as required. For 8 way, Double door SPN MCBDB	Each	2		
<b>iii</b>	<b>LIGHT /FAN FITTINGS</b>				
20	Supply, installation, testing and commissioning of the following types of light fittings with all accessories on false ceiling, true ceiling or wall as directed and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required. All recessed type fixtures are to be supported independently with chains or GI wire anchored to the ceiling with anchoring bolt of necessary size. All loose wires above the false ceiling are to be neatly concealed by flexible metal/pvc conduits.( cost to include lamps & all consumables also)				
a.	36W 6000k LED luminaire with High translucent diffuser gives soft glare free light & complete with electronic driver including all required mounting accessories complete. (Crompton LCTLR36-FO- CDL / Bajaj BCTBLR 36ZTWH / Wipro -CRCO 10R036HP57G1)	each	8		
b.	15W 4000k LED luminaire with High translucent diffuser gives soft glare free light & complete with electronic driver including all required mounting accessories complete.( Havells DIVA (RECESS) - 15W or equivalent)	Each	13		
c.	1x18W T8 slim type tube fitting with decorative end caps. ( Havells , Philips, Bajaj or equivalent)	each	15		
d.	1x9W 6000k LED lamp Recess mounted, compact vertical, round shaped downlighter with removable driver ( Havells Joy Round or equivalent)	Each	11		
e.	2x40W decorative wall monted chrome finish fixtre with textred glass with GSL lamp.( Model : Havells Titlis mini 2x40GLS or equiv.)	Each	15		
f.	Exhaust fan (upto 450mm sweep) complete with all mounting accessories (including cutting opening on walls and making good the surface) Make: Bajaj/Havells or equivalent	Nos.	6		
g.	Ceiling fan (1200mm sweep), decorative type, 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. The Ceiling fan shall be double ball bearing type. (Make : USHA, Havells Nicola, Crompton High breeze or equivalent )	Nos.	8		
h.	Supply, Installation, testing and commissioning of wall mount fan (400mm sweep), adjustable speed . min 60 degree oscillation, swing, Adjustable upward and downward tilt mechanism, Protective Guard, Including connections with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable, mounting accessories, etc. as required. It shall be double ball bearing type. (Make : USHA, Crompton , Havells )	Nos.	2		

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<b>iv</b>	<b>METEREING</b>				
21	Supply, Installation, testing & commissioning of 3 phase 4 wire electronic type energy meter with LCD display with battery back up, class 1.00 CT with inbuilt CT. The whole unit to be mounted on suitable metal enclosure ( powder coated with locking arrangement, seperate enclosure for incoming and outgoing) with 3 Nos. HRC fuses, Neutral Link and all connections complete.	Set	1		
<b>v</b>	<b>CABLE / EARTHING</b>				
22	Earthing with G.I. earth pipe 4.5 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.	Each	1		
23	Providing and fixing 4.00 mm dia copper wire on surface or in recess for loop earthing as required.	m	280		
24	Supply and laying of following size 1.1 KV grade XLPE insulated, PVC sheathed, armoured Aluminium conductor power cable conforming to IS 7098 (Part 1) amended upto date.( including termination on both ends, laying as per site condition) 4C x 16 Sq.mm	m	15		
<b>GRAND TOTAL (INCLUSIVE OF TAXES)</b>					

I agree to complete the work as per the schedule at the rates quoted by me as above.

**BIDDER**