

**NATIONAL INSTITUTE OF TB AND RESPIRATORY DISEASES**  
**SRI AUBORINDO MARG, NEW DELHI – 30**

**TENDER NOTICE**

**Ref. No. NITRD/Ten. /2024-25/**

Sealed Item Rate tender in two separate bids a) Technical bids, b) Financial bid are invited from reputed specialized Agencies for the following works/ services. **The Tender forms containing detailed terms and conditions can be obtained from Account Section of this Institute on payment of Rs. 500/- (non-refundable) in cash for each from 07-03-2025 to 27-03-2025 between 10.00 am to 3.00 pm on all working days and up to 12.00 noon on Saturday.** Downloaded tender documents are accepted subject to payment of cost of tender document i.e. Rs.500.00 (non-refundable). The bidder may pay the cost of downloaded tender document by way RTGS/NEFT at Punjab National Bank A/C No. 0636010100257320, IFSC CODE – PUNB0498000, Lado Sarai Branch Delhi110030, or by Crossed Demand Draft or by cash at the counter in the Accounts Section and proof of payment (receipt) to be enclosed with the tender document at the time of submission of the bids. The tender should be put in tender box marked **Estate Dept. kept in Procurement Cell by 2.00 PM on 27-03-2025** along with requisite EMD as mentioned in tender document. The tenders will be opened at 2.30 PM on the same day in Procurement Cell. One representative of the bidder in possession of admit card as in tender can attend the tender opening

<b>Sr. No.</b>	<b>Name of Item/ Services*</b>
1.	Fabrication work and supply of material for the year 2024-25 at NITRD, New Delhi.

The Information regarding this Tender Notice is also available on Institute's Web-site <http://www.nitrd.nic.in>.

**(Director)**

**Note: - This tender document has contained 22 pages including tender notice.**

**National Institute of Tuberculosis and Respiratory Diseases**  
(Autonomous Institute under the Ministry of Health and Family Welfare, Govt. of India)  
Sri Aurobindo Marg, (Near QutubMinar) New Delhi – 110 030

**INSTRUCTIONS TO TENDERERS REGARDING MODE OF BID AND EMD**

1. **Bidders submitting tenders would be considered to have considered and accepted all the terms and conditions in the tender document. Any conditions given by the bidder would be taken as null and void.**
2. The tender will be on a **two bid system** comprising of:-
  - i. The Tender is to be deposited in the tender box marked **“Estate Department”** kept in the procurement cell.
  - ii. The tender will be on a two bid system 1) Technical Bid 2) Financial Bid. Please ensure that the E.M.D. (as per instructions given below), Technical Bid, Financial Bid is submitted in three different sealed envelopes and these should be put in an outer envelope super scribed with tender no. Date of opening and item name. If EMD is not submitted then the technical bid & financial will not be considered.
  - iii. **EMD amount Rs. 1,00,000.00** should be enclosed for the tender to be considered for evaluation EMD should be in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker’s Cheque or Bank Guarantee from any of the Commercial Banks in an acceptable form. Tender without EMD would be rejected. EMD already lying with the National Institute of any previous tender/quotation etc. will not be considered for this tender. EMD to be drawn in favor of **DIRECTOR, NATIONAL INSTITUTE OF TB AND RESPIRATORY DISEASES.**  
**Note:- NSIC / MSME Certificate (if the bidder claims for EMD exemption).As per CPWD manual 2019 MSME firms registered in NSIC under PP policy are exempted from payment of EMD for supply of goods and services only. Accordingly EMD is not exempted in the instance case.**
  - iv. **EMD will be forfeited: -**
    - In case of unsatisfactory work after placing of the work order.
    - In case of willful suppression/ submission of wrong information.
    - In case bidder fail to sign the agreement as per work order.
    - In case bidder fail to deposit the performance security.
  - v. **EMD, if submitted with validity of three (3) months would have to be revalidated as required for the bidder to be considered for the tender.**
3. Please ensure that the E.M.D., Technical Bid, Financial Bid is submitted in three different envelopes and these should be put in an outer envelope super scribed with tender no., Date of opening and item name.
4. Bidder must write the name of item quoted for and the tender number / date on the bid envelope without which the tender will be rejected. All clarifications will be asked by letter and bidder should respond on **Director, NITRD, Sri Aurobindo Marg through Letter.**
5. **Bidder to provide their address & In case of any clarification is required, the normal response time would be maximum of Seven Days.**
6. **If any of the information is found to be incorrect at any stage, the contract/ tender may be cancelled with forfeiture of EMD and Penalty as decided by the Competent Authority.**

## TECHNICAL BID

1. **The period of contract would be applicable for One years. The rates should be quoted for all one years separately subject to the terms and conditions of the tender. Conditional tenders are liable to be rejected. The contract is only extendable by the NITRD subject to the satisfactory service and is entirely on the discretion of the Director, NITRD Delhi. The agency not be eligible for such extension as a matter of right whatsoever, and the decision of the Director, NITRD shall be final and binding.**
  
2. **Tenderers should submit:**
  - (i) Proof of purchase of Tender Form.
  - (ii) Certificate for Enlistment in C.P.W.D./MES/Autonomous Body etc
  - (iii) Copy of PAN No. & G.S.T. Registration certificate.
  - (iv) The bidder (s) must submit Bank Solvency certificate in favour of their firm issued by the bidder's banker, for a minimum amount of Rs. 1 Crore. The bidder must submit bank solvency certificate issued by the same bank from where the bank details furnished.
  - (v) Agency should have similar work experience in hospitals not less than 400 bedded.
  - (vi) The agency should have ESI/ EPF/ ELECTRICAL LICENCE (Electrical License issued by the Govt. of N.C.T Delhi or Govt. of other states).
  - (vii) Agency should have not borne any financial loss in the previous year with a turnover not less than 2 Crores which should be verified by the Chartered Accountant.
  - (viii) Affidavit that the company has not been blacklisted any time for quoting and supplying for the items in schedule by any government organization affidavit should be on non-judicial stamp paper of Rs. 10 & attested by Notary Public/ Oath commissioner (Annex- 'A')
  - (ix) **The Bidder must have successfully executed / completed at least one single order of 80 % of the Estimated Bid Value or 2 orders each of 50 % of the Estimated Bid Value or 3 orders each of 40 % of the Estimated Bid Value for similar work in last five years to any Central / State Govt Organization / PSU / Public Listed Company. Copies of evidence (Completion certificate) of successful execution / completion in support of Past Experience of Similar work along with names, address and contact details of clients shall be submitted with the bid for verification by the Buyer.**
  - (x) **Bidders are required to give the following details for payment through NEFT/ RTGS.**
    - i. **Beneficiary Name**
    - ii. **Beneficiary Address**
    - iii. **Beneficiary Account Number.**
    - iv. **Beneficiary Bank Name and Branch.**
    - v. **Beneficiary IFSC Code.**

**In case the above documents are not submitted at the time of tender opening as a part of the technical bid, it will not be asked separately and the tender will be rejected summarily.**

3. Tenderers must give **rates** of the items **as per the items in the tender**. Tenderers should quote their rate in words. Vague terms like cheapest or lowest market rates will not be accepted. No figures or words should be over written. Overwriting will disqualify the tenderer.
4. Rates should be inclusive of cartage to the Maintenance Department of the Institute.
5. The Director reserves the right to accept, reject the offer or change the tender condition in part or in to without assigning any reason. The decision of the Director shall be final in case of dispute arising under this contract.
6. During the contract, any damage done to the property of the Institute shall be repaired by the contractor at his cost.
7. **Verification:** All the Clause of C.P.W.D regarding Insurance / Compensation Penalty will be adhered by the contractor.
8. Having examined the Conditions of Contract, above named works we, the undersigned, offer to execute and complete such works and remedy any defects therein in conformity with the Conditions of Contract.
9. As specified in the Appendix to Bid or such other sums as many be ascertained in accordance with the said Conditions.
10. We acknowledge that the Appendix forms part of Bid.
11. We undertake, if our Bid is accepted, to commence the works within 07 days after the receipt of the Engineer's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the Appendix to Bid.
12. We agree to abide by this Bid for the period of 90 days from the date fixed for receiving the same, and shall remain binding upon us and may be accepted at any time before the expiration of that period.
13. All the pages of Tender NIT should be duly signed and stamped by the bidder as the proof of acceptance of all terms and conditions on all pages of the NIT. If any bidder failed to do the same, bid of the bidder will be rejected.
14. We agree to treat the tender documents, drawings and other records connected with the works as secret and confidential documents and shall not communicate information described therein to any person other than the person authorized by you, or use the information in any manner prejudicial to the safety of the works.
15. In the case of item Rate Tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected.
16. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

**Safety Code**

1. The agency shall, arrange for all safety provisions to ensure safe and smooth working conditions for its workforce.
2. The Agency shall indemnify the National Institute TB from all encumbrances on this account.
3. The contractor shall be responsible for any injury or accident to the labour during the work and no claim shall be given by the Institute.
4. Any damage caused to the equipment or any Institute property during the work shall be made good by the contractor at his own cost.

**Penalty Clause:**

In case of delay in completion of the works, liquidated damages @0.5% of quoted price would be applicable per week (part week would be taken as full one) to a maximum at 10% of quoted price.

**Termination of Work Contract**

National Institute TB reserves the right to terminate the contract either in part or in full. Designated authority shall in such an event give one month's Notice in writing to the Agency of his decision to do so. The agency upon receipt of such Notice shall discontinue the work accordingly. In the event of such termination, the Agency shall be paid for the actual job/ time performed till the date specified in the Notice.

**Force Majeure**

If at any time, during the continuance of this contract performance in whole or in part by either party of any obligation under this contract shall be prevented or delayed by reason of any war or hostility, act of public enemy, civil commotion, sabotage, fires, floods, explosion, epidemics, quarantine restrict, strike, lockouts or act of God, provided notice of happenings of any such eventuality is given by the either party to the other within 10 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non-performances. The contract may be resumed as soon as practicable after such event has ended or ceased to exist and the decision of Director, National Institute TB New Delhi shall be final.

**Arbitration clause**

- a. This contract falls under the jurisdiction of Delhi courts all disputes and other connected matters with the company are to be settled in Delhi.
- b. In the event of any dispute arising out of this agreement of breach of any condition the matter would be resolved by head of the concerned department and representative of Company. In case, if it is not resolved, the matter would be resolved by the Director of the Institute and the Director of the Company.

**DIRECTOR**

**ANNEXURE –‘A’**

I/we (Name) \_\_\_\_\_ partner /sole proprietor (strike out word which is not applicable) of (Firm)\_\_\_\_\_do hereby declare and solemnly affirm to the fact that the individual firm/companies are not black-listed by the Union or State Government or any partner or shareholder thereof are not directly or indirectly connected with or has any subsisting inters in business of my/our firm.

DEPONENT

Address \_\_\_\_\_

I/we do hereby solemnly declare and affirm that the above declarations is true and correct to the best of my knowledge and beliefs. No part of it is false and nothing has been concealed.

Dated: DEPONENT

(Note: - To be furnished on non judicial stamp paper duly attested by the Oath Commissioner).

**NATIONAL INSTITUTE OF TUBERCULOSIS AND RESPIRATORY DISEASES**  
**SRI AUROBINDO MARG, NEW DELHI – 110 030.**

**(PRICE BID)**

S No.	Item Description	Unit	Qty.	Rate in figures & words.
1.	Providing and fixing chromium plated brass curtain rod having wall thickness of 1.25mm with two chromium plated brass brackets fixed with C.P. brass screws and PVC sleeves etc., wherever necessary complete a. 12 mm dia b. 20 mm dia c. 25 mm dia	Metre Metre Metre	01 01 01	
2.	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. a. Fixed to steel windows by welding b. Fixed to openings /wooden frames with rawl plugs screws etc	Kg Kg	01 01	
3.	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete. a. With 2nd class teak wood beading 62X19 mm	Sqm	01	
4.	Providing M.S. Piano hinges ISI marked IS: 3818 finished with nickel plating and fixing with necessary screws etc., complete. a. Overall width 35 mm	Metre	01	
5.	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete. a. 125x65x2.12 mm b. 100x58x1.90 mm c. 75x47x1.70 mm	Each Each Each	01 01 01	
6.	Providing and fixing ISI marked oxidised M.S. single acting spring hinges with necessary screws etc. complete: a. 150 mm	Each	01	
7.	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete: a. 300x16mm b. 250x16mm	Each Each	01 01	
8.	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. comp.: a. 250x10mm b. 200x10mm	Each Each	01 01	
9.	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete a. 125mm	Each	01	
10.	Providing and fixing special quality bright finished locks of approved brand and manufacture as per the direction of Engineer-in-Charge. a. Cupboard lock b. Almira lock c. Door lock	Each Each Each	01 01 01	
11.	Providing and fixing all fittings and fixture required for a computer table/wooden cabinete. Computer table having a keyboard tray and multiple use drawer i.e. handle, lock, hinges, tape etc required for the smooth functioning of tray/drawer made. Complete as per the direction of Engineer-in-Charge.	Each	01	
12.	Providing and making joint strong by welding with support Patti (If required) or screwing wherever required.	Job	01	

13.	<p>Repair and making good the functioning of wheel chair/food trolley/trunk/ patient screen/ revolving chair by replacing/repairing.</p> <ol style="list-style-type: none"> <li>Small wheel</li> <li>Small castor wheel</li> <li>Small wheel assembly replacement</li> <li>Big wheel replacement</li> <li>Big wheel repair including replacement of Bearing and cups.</li> <li>P/F new foot rest</li> <li>P/F seat/back (cushioned)</li> <li>Replacement of axle</li> <li>Big wheel assembly replacement</li> <li>Handle replacement</li> <li>Hook replacement</li> <li>Small wheel replacement.</li> <li>P/F stainless steel sheet 18 SWG</li> <li>P/L clamps/ Legs.</li> <li>Replacement of wheel assembly</li> <li>Replacement of Hand-rest</li> <li>Hydraulic pump complete set with wheel.</li> <li>Repair of wheel/assembly [ Bed].</li> <li>Replacement of wheel assembly [ Bed].</li> <li>Replacement of castor wheel [ Bed].</li> <li>Replacement of wheel [garbage trolley].</li> </ol>	<p>Each Each</p>	<p>01 01</p>	
14.	<p>Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.</p> <ol style="list-style-type: none"> <li>In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete</li> <li>In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works</li> </ol>	<p>Kg Kg</p>	<p>01 01</p>	
15.	<p>Providing and fixing structural steel frame (for dry cladding with 30 mm thick gang saw cut with machine cut edges sand stone) on walls at all heights using M.S. square/ rectangular tube in the required pattern as per architectural drawing, including cost of cutting, bending, welding etc. The frame work shall be fixed to the wall with the help of M.S. brackets/ lugs of angle iron/ flats etc. which shall be welded to the frame and embedded in brick wall with cement concrete block 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20 mm nominal size) of size 300x230x300 mm, including cost of necessary centring and shuttering and with approved expansion hold fasteners on CC/RCC surface, including drilling necessary holes. Approved cramps/ pins etc. shall be welded to the frame work to support stone cladding, the steel work will be given a priming coat of Zinc primer as approved by Engineer-in-charge and painted with two or more coats of epoxy paint (Shop drawings shall be submitted by the contractor to the Engineer-in-charge for approval before execution). The frame work shall be fixed in true horizontal &amp; vertical lines/planes. (Only structural steel frame work shall be measured for the purpose of payment, stainless steel cramps shall be paid for separately and nothing extra shall be paid).</p>	<p>Kg</p>	<p>01</p>	
16.	<p>Providing and fixing in wall lining flat pressed three-layer (medium density) particle board or graded wood pre-laminated one side decorative lamination and other side balancing lamination Grade I, Type II, IS: 12823 marked, including priming coat on unexposed arrangement and screws etc. complete:</p> <ol style="list-style-type: none"> <li>25 mm thick</li> </ol>	<p>Sqm</p>	<p>01</p>	
17.	<p>Making connection of G.I./CPVC distribution branch with G./CPVC main of following sizes by providing and fixing tee, union etc including cutting and threading the pipe or with adhesive etc. complete :25 to 40 mm nominal bore</p>	<p>Each</p>	<p>01</p>	



18.	<p>Providing and making of various types of cages, water storage tank cover, steel jaali, window etc using iron angles,iron mesh jaali etc BRC fabric having weight approx 3kg per sqm and angle of upto 40x40x6 with allied work as per the direction of Engineer-in-Charge. by following the steps below</p> <ol style="list-style-type: none"> <li>Providing and making iron angle frame.</li> <li>Fixing the frames into the opening or in floor or roof for providing strength. [if required]</li> <li>Providing/making opening or door in the cage or cover made.</li> <li>Making door using the same materials.</li> <li>Providing and fixing all required fittings and fixture for the door or the opening made.</li> <li>Applying iron primer on the whole cage/cover made to prevent rusting.</li> <li>Finishing with synthetic enamel paint of approved brand and manufacture.</li> </ol>	Sqft	01	
19.	<p>Repair and making good the functioning of IV stand by replacing/repairing</p> <ol style="list-style-type: none"> <li>Replacement of small wheel assembly.</li> </ol>	Each	01	
20.	<p>Dismantling old and providing and fixing new tiled false ceiling in true horizontal level with all allied work i.e. fixing light of 2x2 feet led {note- Approx 6 LED in 10 sqm False ceiling}, wiring required etc complete, 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 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 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, 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.</p> <ol style="list-style-type: none"> <li>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</li> <li>GI Metal Ceiling Lay in perforated Tegular edge global white color tiles of size 595x595 mm and 0.5 mm thick with 8 mm drop; made of GI sheet having galvanizing of 100 gms/sqm (both sides inclusive) and 20% perforation area with 1.8 mm dia holes and having NRC (Noise Reduction Coefficient ) of 0.5, electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending and perforation, and backed with a black Glass fiber acoustical fleece Celing (Make- Armstrong, dexune, globle, hunter douglas) (LED Make- syska, Crompton, bajaj)</li> </ol>	Sqm	01	
21.	<p>Repair and making good the functioning of patient trolley by replacing/repairing. Replacement of wheel 6 x 1.5 inch including repair of stretcher &amp; both side handle (complete).</p>	Each	01	

22.	<p>Replacement of upholstery of sofa, chairs etc. as per following procedure - (i) Taking out existing upholstery and disposal of unserviceable material within 50 metre lend. (ii) Providing and fixing 25mm thick form (density 25 to 30 kg/cm<sup>3</sup>), cashment cloth and/or markin fabric, and finally new uplholstery cloth/fabric of approved quality and manufacture (basic cost of fabric/cloth shall not be less than Rs.300/- per running metre having standard available width) including stitching as per existing pattern on seat, back, armrest etc. wherever required. (iii) Minor repairs to chairs comprises of re-welding of steel parts, fixing missing hardware viz screws, bolts etc. (Note: The rate shall include cost of all labour and material as above. Nothing extra shall be paid if the furniture item/s is to be taken to factory for replacement of upholstery or for minor repairs.</p> <p>a. Low back visitor chairs, computer chairs etc. (length of the fabric to be consumed shall be 1.50m ± 10% variation)</p> <p>b. High back executive chairs and like (length of the fabric to be consumed shall be 3.00m ± 10% variation)</p>	Each	01	
23.	<p>Supplying and fixing rolling shutters of approved make, made of required size M.S. laths, interlocked 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 complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters.</p> <p>a. 80x1.25 mm M.S. laths with 1.25 mm thick top cover</p>	Sqm	01	
24.	<p>Extra for providing mechanical device chain and crank operation for operating rolling shutters</p> <p>a. Exceeding 10.00 sqm and upto 16.80 sqm in the area</p>	Sqm	01	
25.	<p>Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm<sup>2</sup>), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame, concrete/ masonry, etc. as per direction of Engineer-in-charge.</p> <p>a. 10 x 60 mm</p> <p>b. 10 x 80 mm</p> <p>c. 10 x 120 mm</p> <p>d. 10 x 140 mm</p> <p>e. 10 x 160 mm</p>	Each	01	
26.	<p>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):</p> <p>a. With float glass panes of 4.0 mm thickness (weight not less than 10kg/sqm)</p> <p>b. With float glass panes of 5 mm thickness (weight not less than 12.50 kg/sqm)</p> <p>c. With float glass panes of 8 mm thickness (weight not less than 20 kg/sqm)</p>	Sqm	01	
27.	<p>Providing and fixing fly proof stainless steel grade 304 wire gauge, to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia. 0.50 mm all complete.</p> <p>a. With 2nd class teak wood beading 62 x 19 mm</p>	Sqm	01	
28.	<p>Making hole in the ground of required shape and depth and fixing steel pipes.</p>	Job	01	
29.	<p>Providing and fixing toughened glass of 12mm thick</p>	Sqm	01	

30.	Structural steel work in single section, fixed with or without connecting plate, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	Kg	01	
31.	Providing and fixing double glazed hermetically sealed glazing in aluminium windows, ventilators and partition etc. with 6 mm thick clear float glass both side, having 12 mm air gap, including providing EPDM gasket, perforated aluminium spacers, desiccants, sealant (Both primary and secondary sealant) etc. as per specifications, drawings and direction of Engineer-in-charge complete.	Sqm	01	
32.	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing	Each	01	
33.	Providing & fixing fly proof wire gauze to windows, clerestory windows & doors with M.S. Flat 15x3 mm and nuts & bolts complete. a. Stainless steel (grade 304) wire gauze of 0.5 mm dia wire and 1.4 mm aperture on both sides	Sqm	01	
34.	Providing and fixing specified wood frame work consisting of battens 50x25mm fixed with rawl plug and drilling necessary holes for rawl plug etc. including priming coat complete. a. Kiln seasoned and chemically treated hollock wood	Cum	01	
35.	Providing and fixing wood chowkhat by dismantling old and refixing new chowkhat will all allied work. a. Dismantling old chowkhat b. Refixing new chowkhat c. Repairing damaged walls by plaster and other required work.	RMT	01	
36.	Providing and fixing 4mm thick coir veneer board, ISI marked IS: 14842, plain lining with necessary screws, priming coat on unexposed surface etc., complete	Sqm	01	
37.	Providing and fixing skirting with Pre-laminated (one side decorative and other side balancing lamination) flat pressed 3 layer or graded particle board (medium density) Grade I, Type II, IS :12823 marked, with necessary fixing arrangements and screws, including drilling necessary holes for rawl plugs etc. and priming coat on unexposed surface complete: a. 18 mm thick b. 25 mm thick	Sqm Sqm	01 01	
38.	Toilet Doors including fixing & welding and screws etc a. MS Hinges 100 mm b. MS Hinges 150 mm c. MS Hinges 75 mm	Each Each Each	01 01 01	
39.	Providing and fixing frosted glass modi guard or equilant a. 4mm b. 6mm	Sqm Sqm	01 01	
40.	Steel work with MS tubes., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, approx weight 20kg in single length including welding and bolted with special shaped washers etc. complete. a. ½ to 1½ inch b. 1½ to 2½ inch c. 1½ to 2½ inch {Make- apollo, Jindal, tata}	Rft Rft Rft	01 01 01	
41.	Providing & fixing MS Sheet a. 14 SWG b. 16 SWG c. 18 SWG d. 20 SWG	Sqm	01	
42.	Providing and fixing to aluminium door. a. Beeding b. Rubber	Rmt Rmt	01 01	

43.	<p>Designing, fabricating, testing, installing and fixing in position Curtain Wall with Aluminium Composite Panel Cladding, with open grooves for linear as well as curvilinear portions of the building, for all heights and all levels etc. including:</p> <ol style="list-style-type: none"> <li>structural analysis &amp; design and preparation of shop drawings for pressure equalisation or rain screen principle as required, proper drainage of water to make it watertight including checking of all the structural and functional design</li> <li>Providing, fabricating and supplying and fixing panels of aluminium composite panel cladding in pan shape in metallic colour of approved shades made out of 4mm thick aluminium composite panel material consisting of 3mm thick FR grade mineral core sandwiched between two Aluminium sheets (each 0.5mm thick). The aluminium composite panel cladding sheet shall be coil coated, with Kynar 500 based PVDF / Lumiflon based fluoropolymer resin coating of approved colour and shade on face # 1 and polymer (Service) coating on face # 2 as specified using stainless steel screws, nuts, bolts, washers, cleats, weather silicone sealant, backer rods etc.</li> <li>The fastening brackets of Aluminium alloy 6005 T5 / MS with Hot Dip Galvanised with serrations and serrated washers to arrest the wind load movement, fasteners, SS 316 Pins and anchor bolts of approved make in SS 316, Nylon separators to prevent bi-metallic contacts all complete required to perform as per specification and drawing The item includes cost of all material &amp; labour component, the cost of all mock ups at site, cost of all samples of the individual components for testing in an approved laboratory, field tests on the assembled working curtain wall with aluminium composite panel cladding, cleaning and protection of the curtain wall with aluminium composite panel cladding till the handing over of the building for occupation. Base frame work for ACP cladding is payable under the relevant aluminium items The Contractor shall provide curtain wall with aluminium composite panel cladding, having all the ] performance characteristics all complete , as per the Architectural drawings, as per item description, as specified, as per the approved shop drawings and as directed by the Engineer-in-Charge. However, for the purpose of payment, only the actual area on the external face of the curtain wall with Aluminum Composite Panel Cladding (including width of groove) shall be measured in sqm. up to two decimal places.</li> </ol>	Sqm	01	
44.	<p>Repairing and making smooth the functioning of window by executing the said work.</p> <ol style="list-style-type: none"> <li>Replacement of Hinge</li> <li>Replacement of window section.</li> <li>Providing and fixing pipe of 1"-2" dia mtr in legs. {tower Bolt 4,6,9}</li> <li>Providing stay</li> <li>Handle</li> </ol>	Each Each Each Each Each	01 01 01 01 01	
45.	<p>Providing and fixing flush door shutters decorative type, core of block board construction with frame of 1st class hard wood and well-matched teak 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters</p> <ol style="list-style-type: none"> <li>35 mm thick including Stainless Steel butt hinges with necessary screws { Make- century, green ply, sainik }</li> </ol>	Sqm	01	

46.	Changing Door fittings & welding and screws etc. a. Replacement of pivot set b. Replacement of floor spring ISI c. Aluminium Section repair d. Door stopper (floor) e. Almn. Tower bolt 150 x 10 mm f. Sliding Bolt g. L Drop 300 x 16 mm h. Bob handle i. D. Handle j. Z. Handle k. Mortise lock l. Door closer m. Nova pan board	Each Each Each Each Each Each Each Each Each Each Each Each Each	01 01 01 01 01 01 01 01 01 01 01 01 01	
47.	Machine cleaning of upholstered chairs/Sofa by low moisture dry foam shampoo system as per following procedure: - a. Pre-cleaning the dust with suitable brush and vacuum cleaner. b. Deep cleaning of upholstery with spray injection/extraction method by using approved detergents (Taski TR -1 03 or equivalent) to remove stains, grease/oil etc. c. Cleaning of upholstery by applying approved fabric shampoo (Taski TR 1 01 or equivalent) manually and by pressure machine. d. Thorough vacuum cleaning of upholstery to remove any crystallized shampoo residue and drying the upholstery. e. Cleaning the PU/ wooden/ steel arm rests and framework of chairs/sofa complete as per the direction of Engineer in charge. OTE i. One chair of any type (computer chair, executive chair, visitor chair, high back, low back etc.) shall be counted as one unit. ii. For sofas, one seat shall be counted as one unit. iii. The work shall be carried out outside office hours or on holidays and agency has to make necessary arrangement for the same. The work may have to be done in parts as and when the chairs/ sofa are available.	Each	01	
48.	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately) a. Second class teak wood	Cum	01	
49.	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing & similar works, incl. applying priming coat of approved steel primer. a. M.S. tube b. E.R.W. tubes c. G.I. pipes	Kg Kg Kg	01 01 01	
50.	Providing and fixing wire gauge laminated veneer lumber shutters conforming to IS: 14616, and as per TADS 15 :2001 (Part B) using galvanised wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm as per IS :1568, for doors, windows and clerestory windows, fixing with butt hinges of required size with necessary screws, as per directions of Engineer-in-charge: (Note: - Butt hinges and necessary screws shall be paid separately) a. 35 mm thick shutters	Sqm	01	
51.	Repair of Oxygen stand with all allied work.	Job	01	
52.	Repair of Bedside locker Incl. fixing & welding & screws etc.	Job	01	
53.	Providing and fixing bright finished brass hanging type floor door stopper with necessary screws, etc. complete	Each	01	

54.	<p>Replacement of upholstery of sofa and like as per following procedure –</p> <ol style="list-style-type: none"> <li>a. Taking out existing upholstery and disposal of unserviceable material within 50 metre lend.</li> <li>b. Providing and fixing 25mm thick form, cashment cloth and/or markin fabric, and finally new upholstery cloth/fabric of approved quality and manufacture (basic cost of fabric/cloth shall not be less than Rs.250.00 per running metre having standard available width) including stitching as per existing pattern on seat, back, armrest etc. wherever required.</li> <li>c. French spirit polishing (wherever required) to exposed wooden surface to desired finish to give a good uniform look.</li> <li>d. Minor repairs to sofa or chairs such as nailing or fixing of loose joints, re-welding of steel parts, fixing missing screws, bolts etc. are included in item. The rate shall include cost of all labour and material as above. Nothing extra shall be paid if the furniture is to be taken to factory for replacement of upholstery or for minor repairs <ol style="list-style-type: none"> <li>i. Single seater full upholstery sofa seat of size up to 600 x 600 mm (length of the fabric to be consumed shall be 4.50m ± 10% variation)</li> <li>ii. Double seater full upholstery sofa seat of size up to 600 x 600 mm (length of the fabric to be consumed shall be 8.00m ± 10% variation)</li> <li>iii. Triple seater full upholstery sofa seat of size up to 600 x 600 mm (length of the fabric to be consumed shall be 8.00m ± 10% variation)</li> </ol> </li> </ol>	Each	01	
55.	<p>Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS: 14616 and TADS 15:2001 (Part B), fixing with butt hinges of required size with necessary screws, all complete as per directions of Engineer- in-charge and panelling with panels of: (Note: - Butt hinges and necessary screws shall be paid separately)</p> <ol style="list-style-type: none"> <li>a. 12 mm thick plain grade -1, medium density flat pressed three-layer particle board FPT - I or graded wood particle board FPT- I, IS: 3087 marked, bonded with BWP type synthetic resin adhesive as per IS: 848:</li> <li>b. 12 mm thick one side pre-laminated particle board (decorative lamination on one side and other sides balancing lamination) grade -1, medium density flat pressed, three-layer particle board FPT - I or graded wood particle board FPT-1 conforming to IS: 3087 bonded with BWP type synthetic resin adhesive as per IS: 848 and pre-laminated conforming to IS: 12823, Grade -1, Type II marked</li> </ol>	Sqm	01	
56.	<p>Extra for Providing and fixing flush doors with decorative veneering instead of non-decorative ISI marked flush door shutters conforming to IS: 2202 (Part I)</p> <ol style="list-style-type: none"> <li>a. On one side only</li> </ol>	Sqm	01	
57.	<p>Providing and fixing 18 mm thick, 150 mm wide pelmet of coir veneer board ISI marked IS: 14842, including top cover of 6 mm coir veneer board, nickle plated M.S. Pipe 20 mm dia. (heavy type) curtain rod with nickel plated brackets, including fixing with 25x3 mm M.S. Flat 10 cm long fixed to pelmet with hollock wood cleats of size 100 mm x 40 mm x 40 mm on both inner side of pelmet and rawl plugs 75 mm long etc. all complete.</p>	Metre	01	
58.	<p>Providing and fixing special quality bright finished locks of approved brand and manufacture as per the direction of Engineer-in-Charge.</p> <ol style="list-style-type: none"> <li>a. Cupboard lock</li> </ol>	Each	01	

59.	Providing and fixing Bamboo jaffery/ fencing consisting of superior quality 25mm dia (Average) half cut bamboo placed vertically and fixed together with three numbers horizontal running members of hollock wood in scantling of section 50X25 mm, fixed with nails and G.I wire on existing support complete as per direction of Engineer-in-charge	Sqm	01	
60.	Providing and fixing aluminum U beading of required size to Pre-laminated/ flush door shutter, including fixing etc. complete as per direction of Engineer-in-charge.	Kg	01	
61.	Providing and fixing factory made Fiberglass Reinforced plastics (F.R.P.) chajja 4 mm thick of required colour, size and design made by Resin Transfer Moulding (RTM) Machine Technology, resulting in void free compact laminate in single piece, having smooth gradual slope curvature for easy drainage of water and duly reinforced by 2 nos vertically and 1 nos horizontally 50x2 mm thick M.S. flat with 12 mm in built hole for grouting on the existing wall along with the 50 mm flanges duly inserted and sealed in the wall complete in one single piece casted monolithically, including all necessary fittings . The FRP Chajja should be manufactured using unsaturated Polyester resin as per IS: 6746, duly reinforced with fibre glass chopped strand mat (CSM) complete with protective Gel coat U/V coating on Top for complete resistance from the extreme of temperature, weather & sunlight (Only plan area of chajjas shall be measured for making payment). a. Area below 1 sqm b. Area of 1 sqm or more {Make- durain, astral window pvt ltd, gujcon, durofenter}	Sqm Sqm	01 01	
62.	Providing and fixing PVC door chowkhat of approved brand and manufacture as per the direction of Engineer-in-Charge.	RMT	01	
63.	Providing and fabricating wooden cupboard, table, almirah using 18 mm thick block board, ply of required thickness covered with mica on both sides of required shade. All work complete as per the direction of Engineer-in- Charge. [Make of ply/board- century, marino, sainik ]	Sqft	01	
64.	French spirit polishing a. Two or more coats on new works including a coat of wood filler	Sqm	01	
65.	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mm x 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture. M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2 ) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing a. 30 mm thick plain PVC door shutters b. 30 mm thick pre laminated PVC door shutters	Sqm Sqm	01 01	

66.	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt/ suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS: 2046 Type S, including cost of adhesive of approved quality. {Make- marino, greenlam, century, royal touch}	Sqm	01	
67.	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	Sqm	01	
68.	Providing and fixing cup board shutters 25 mm thick, with Pre-laminated flat pressed three layer particle board or graded wood particle board IS: 12823 marked, exterior grade (Grade I Type II), having one side decorative lamination and other side balancing lamination, including IInd class teak wood lipping of 25 mm wide x12 mm thick with necessary screws and bright finished stainless steel piano hinges, complete as per direction of the Engineer-in-Charge	Sqm	01	
69.	Providing and fixing fabric curtains, SS eyelet type, of approved quality cloth (having stanadrd width of 4'-0") with softer pleats and margin of top and bottom fold in required pattern, design, machine stitching complete all complete as per direction of the Engineer-in-charge	Sqm	01	
70.	Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross-section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame. {Make- durain, astral window pvt ltd, gujcon, durofenter}	Metre	01	
71.	Deep Cleaning up of toilet seat/trap/ /man hole/choked pipe layed in ground with the pipe line's associated with the sever including disposal of rubbish malba outside the permises and covering the sever after the work with the covers. Complete as per the direction of Engineer-in-charge.	Job	01	
72.	Providing and fixing to existing door frames {Make- durain, astral window pvt ltd, gujcon, durofenter} a. 30 mm thick Glass Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS: 14856, including fixing to frames. b. 30 mm thick Fiberglass Reinforced Plastic (F.R.P.) flush door shutter in different plain and wood finish made with fire retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate all around, with suitable wooden blocks inside at required places for fixing of fittings and polyurethane foam (PUF)/Polystyrene foam to be used as filler material throughout the hollow panel, casted monolithically with testing parameters of F.R.P. laminate conforming to table - 3 of IS: 14856, complete as per direction of Engineer-in-charge	Sqm	01	
73.	Rubber of wheel chair Rim	Rmtr	01	



74.	Providing and fixing bright finished 100 mm mortice lock with 6 levers without pair of handles of approved quality for aluminium door, with necessary screws etc complete as per direction of Engineer- in-charge.	Each	01	
75.	Providing and fixing panelling or paneling 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 rebated to be measured). Panelling for panelled and glazed shutters 25mm to 40mm thick: pre-laminated with decorative lamination on both side exterior Grade - I MDF Board 12 mm thick confirming to IS:14587	Sqm	01	
76.	Providing and fixing non load bearing fixed frame for fire resistant glazed Partition for 120 minutes Fire Rating, made out to a profile of dimension 60mm x 70 mm of 1.6 mm thick galvanised steel sheet as per test evidence suitable for fixing fire rated glass for 120 minutes of both integrity & radiation control (EW120) & minimum 20 minutes of insulation (EI20).The profile has to be fixed to the supporting construction by means of anchor fasteners of size M10 x 80, every 150 mm from the edges and every 500 mm (approx) c/c. Linear measurement of frame shall be measured for payment. The frame shall be filled with mineral wool insulation of density min 96kg/ m <sup>3</sup> . and finished with a approved fire resistant primer or Powder coating of not less than 30 micron in desired shade as per NBC 2016, IS 16231 (Part 3):2016 & direction of Eng.- in-charge.	Metre	01	
77.	Dismantling old choked pipes [CI/PVC] /trap by dismantling tiles, cement concrete, pipes etc and refixing new line with allied work for the same. a. Dismantling old floor tiles. b. Dismantling old cement concrete c. Dismantling old choked CI/PVC pipe. d. Dismantling old connections of pipe. e. Refixing new PVC/CI pipes. f. Making all required connection. g. Laying cement concrete upto 2 ft hight 2.5 feet width. h. Providing and laying floor tiles as dismantled using chemical. [Make- kajaria, somany, orient]. Finishing floor with applying apoxy/white cement to give an even shade.	RMT	01	
78.	Changing door fittings i.e. door closer, door stopper, handle, L drop etc complete wherever required as per the direction of Engineer-in-Charge.	Job	01	
79.	Providing and fixing glazing in fire resistant door shutters, fixed panels & partitions etc., with G.I. beading made out of 1.6 mm thick G.I. sheet (zinc coating not less than 120 gm/m <sup>2</sup> ) of size 20 x 33 mm screwed with M4 x 38 mm SS screws at distance 75 mm from the edges and 150 mm c/c , including applying a coat of approved fire resistant primer/ powder coating of not less than 30 micron on G.I. beading, & special ceramic tape of 5 x 20 mm size etc complete in all respect as per NBC 2016, IS 16231 (Part 3):2016 and as per direction of Engineer-in-charge with glass of required thickness having 120 minutes of fire resistance both integrity & radiation control (EW120) and minimum 20 minutes of insulation (EI20). The manufacturer have to give test report/certification of fire glass and the glass should have the stamp showing the value of E, EW & EI. The glass shall be tested in approved NABL accredited lab or by any other accreditation body which operates in accordance with ISO/IEC 17011 and accredits labs as per ISO/IEC 17025 for testing and calibration scopes shall be eligible. The maximum glazing size shall not be more than 1100x2200 mm (w x h) or 2.42 sqm.	Sqm	01	
80.	Complete repair of mattress (changing of jute, bostic & refilling of dumps & changing of 1-inch foam (lehar make).	Each	01	

81.	Providing and fixing chowkhat in the opening by fixing hallpass in chowkhat and fixing in the wall by repairing damaged surface all work complete as per the direction of Engineer-in-Charge.	Job	01	
82.	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/ cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm <sup>2</sup> , modulus of elasticity 850 N/mm <sup>2</sup> and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In-Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately) a. 35 mm thick	Sqm	01	
83.	Creating opening for provision of air conditioner in M.S. glazed windows/ventilators by cutting the window's main frames and grill & readjusting the main frame members as per the requirement/A.C size by welding work & grinding work for making the modified M.S glazing smooth. Work also includes providing & fixing M.S. frame of appropriate section in the final A.C. opening created as per above, so that window glass pane may also be fixed over it, in case air conditioner is removed.	Job	01	
84.	Providing and fixing HDF wooden laminated flooring 12mm thick of AC-5 HDF grade with 0.20 mm thick Polyurethane Sheet and 2mm thick PU foam as per approved colour, shade and design complete as per direction of Engineer-in-Charge.	Sqm	01	
85.	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/ wooden shade texture with following process in the sequence as detailed below: a. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. b. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12 hrs. c. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. b. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.)	Sqm	01	
86.	Repair/refixing of old aluminium window/door/partition with allied work and required material as per the direction of Engineer-in-Charge.	Job	01	

87.	Diamond polishing mechanically with wet diamond polishing pad on Italian marble work/Granite work/stone work in floor , dado, skirting etc. where ever required to give high gloss finish complete consist of : (i) Raking out irregular joints/gap developed in cracks with sharp edge tool, cleaning the joint/gap and subsequently filling the same with polyester Glue/ Mastics minimum @ 100 Gram per 10 Square Metre (minimum) and/or as per manufacturer's specifications in required shades (Tenax make) ii) Removing all rough scratches and cut marks and making the surface smooth as much as possible with course grit pad of size 100, 200, 400, 600 & 800 iii) After removal of all large scratches, finer grit pads of size 1000, 1200, 1500 & 3000 shall be used for smoothen the surface. iv) After this super finer grit pads of size 5000, 8000 & 12000 shall be used to achieve the desired quality of polishing. v) Subsequently after polishing the surface with pads, a paste of marble polishing powder (preferably of Surie Porex brand) mixed with water (in 1: 2 ratio) shall be applied on the floor and massaging the paste/solution into the floor with a red pad fitted under a single disc machine. Run the machine along any one side and then at right angle to it. Then spraying a small quantity of water if the powder dries too fast to avoid burn marks. (vi) Finally finishing the surface with buffing pads to enhance lusture finish. Note: Each polishing pad/s (preferably of Surie Porex brand) shall be used separately for a minimum time period of 30 to 45 minutes and this time limit, if required, suitably be increased if desired quality of diamond polishing not achieved all complete as per direction of the Engineer-incharge. (Rate includes cost of all material, labour, operation, tool & plant required.)	Sqm	01	
88.	Providing and fixing Rain water pipes upto 20 mtr height including the cost of pipe, scaffolding, clip clamps required as per the direction of Engineer-in-charge. a. Upto 10 inch. [ make- Astral, supreme, price]	RMT	01	
89.	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.)	Kg	01	
90.	Providing and laying underground drain water pipes and connecting them to the manhole/sewer line by executing all allied work for the same as peer the direction of Engineer-in-Charge. By following the steps below. a. Excavating soil/cement concrete. b. Making trench for dismantling and laying of new pipe line. c. Dismantling old choked/damaged pipe line. d. Making protective layer for the pipe line before laying new pipe line. e. Laying new pipe lines as required using pipes of required size and material. f. Making necessary connections. g. Laying cement concrete to prevent any extranal damages to the pipes. h. Filling up the excavated surface. i. Laying cement concrete to give strength to the surface and to provide even finish to the work.	Rmtr	01	
91.	Providing & fixing steel nut bolts full size as required.	Each	01	

92.	<p>Providing and fixing of new aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections, 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 with all fittings and fixtures required as per the site requirement. By following the given steps.</p> <ol style="list-style-type: none"> <li>Dismantling of old door and making the surface good/even for the new door if required.</li> <li>Providing/ making and fixing new door chowkhat.</li> <li>Making new door shutter/ partition/ window.</li> <li>Fixing of rubber of required shape and size wherever required.</li> <li>Providing and fixing clear float glass of approved thickness, shape and size.</li> <li>Providing and fixing other required fittings and fixture for the smooth functioning of the door i.e., door closer/door, stopper/ floor spring/ biddings/ door handle/ tower bolt/ sliding bolt etc.</li> </ol> <p>{Complete as approved by the Engineer-in-charge}</p>	Sqft	01	
93.	Providing and placing in position 10mm to 12mm thick Polyvinyl chloride antislip door matt with foamed backing of approved colour as per direction of the Engineer-in-Charge.	Sqm	01	
94.	<p>Spray Painting with electric compressor after removing rust &amp; priming with desired colour of approved brand.</p> <ol style="list-style-type: none"> <li>Trolley</li> <li>Wheel chair</li> <li>Patient bed</li> <li>Bed side locker</li> <li>IV stand</li> <li>Back rest</li> <li>Screen</li> <li>Sputum cup stand</li> <li>O2 stand</li> <li>Dining table</li> <li>Chair paediatric</li> <li>Office Table, Wooden almirah, File cabinet, X-ray view box, Notice board, Show case, Wooden bed, UPS box etc</li> <li>Mayo stand, towel stan, basin stand, cardiac table, over bed table, foot rest, shoe rack, patient stool, weighing machine, water cooler.</li> </ol>	Each	01 01 01 01 01 01 01 01 01 01 01 01 01	
95.	<p>Providing and fixing almirah fittings.</p> <ol style="list-style-type: none"> <li>Repair of lock</li> <li>New lock</li> <li>Leg</li> <li>P/F Partition (G.I.18 SWG)</li> </ol>	Each	01 01 01 01	
96.	<p>Repair of bed Mattress</p> <ol style="list-style-type: none"> <li>Rexene leather cover on the top of approved quality.</li> <li>Linen on the leather of approved quality.</li> <li>Providing and fixing foam sheet</li> </ol>	Each	01 01 01	
97.	Providing & fixing 2.0 mil thick sun control film (Night vision/Zed black or lighter shade) having total solar energy rejection above 70% or more over existing fixed/openable glass window panes including preparation of the surface all complete as per the direction of the Engineer-in-charge. (Garware, 3M or equivalent make)	Sqm	01	

98.	Painting exhaust fans including lovers, dismantling & refixing with anchor fastener or nuts bolts as required. a. 18inch b. 15 inch c. 12 inch	Each Each Each	01 01 01	
99.	Providing & fixing exhaust fan lovers with anchor fastener or as required. a. 18inch b. 15 inch c. 12 inch	Each Each Each	01 01 01	
100.	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer. Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement: 3 coarse sand: 6 graded stone aggregate 20 mm nominal size).	Kg	01	
101.	Providing and fixing new blinds for the window.	Sqm	01	
102.	Providing and fixing new PVC elbow for rain water pipes by following the steps. a. Dismantling old elbow. b. Dismantling old khurrah. c. Fixing new elbow upto 10 inch. d. Repairing wall using brick work, plaster to make the surface even. e. Repairing damaged khurrah. [Make- Astral, supreme, price]	Job	01	
103.	Painting of ceiling fans: 48 inch, 56 inch including dismantling & fixing and change rubber, nut bolts as required.	Each	01	
104.	Replacement of Rim of wheel chair.	Each	01	
105.	Providing and fixing 1mm thick M.S. sheet door with frame of 40x40x6 mm angle iron and 3mm M.S gusset plates at the junctions and corners, all necessary fittings complete, including applying a priming coat of approved steel primer. a. Using M.S. angle40x40x6mm for diagonal braces. b. Using flats 30x6mm for diagonal braces and central cross piece.	Sqm Sqm	01 01	
106.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: a. 1:5:10 (1 cement: 5 coarse sand (zone-III) derived from natural sources: 10 graded stone aggregate 40 mm nominal size derived from natural sources) b. 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) derived from natural sources: 3 graded stone aggregate 20 mm nominal size derived from natural sources)	Cum Cum	01 01	
107.	Providing and fixing readymade shelves made of M.S. sheet 18 gauge thick for steel almirah with necessary riveting/welding etc a. of finished size 890 to 910mm (W) x 400 to 410mm (D) b. of finished size 740 to 760mm (W) x 320 to 330mm (D)	Each	01 01	
108.	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. a. All kinds of soil	Cum	01	
	<b>Total Amount</b>			