



**OFFICE OF THE
PRINCIPAL CHIEF COMMISSIONER OF INCOME TAX,**

Aayakar Bhavan, 12, Sadhu Vaswani Road, Pune - 411 001.

Tel.: 020-2605 3336 PBX: 020-2612 7244

F.No. PN/Pr.CCIT/Infra/109-A/Bodhi Towers/2015-16/

Date: 17/05/2016

INVITATION OF BID

The Income Tax Department, Pune (hereinafter referred to as 'Department') has hired 7 floors of the building 'Bodhi Towers' at CTS No. 55/7B, Plot No. 1, FP No. 450/2B, Gultekadi, Salisbury Park, Pune. The landlord will give vacant possession of the building, second floor to 8th floor, as soon as this contract is awarded. The landlord will give the building in extended warm shell condition which will have the following works done by landlord

- i. All ceiling/flooring works
- ii. Highside Air-conditioning
- iii. False ceiling with AC ducting and ventilation.

The Department intends to furnish the 2nd floor to 8th floor (7 Floors) of the building and for this purpose, Furniture and Fixture work will be carried out through this Tender. The work will involve creating office cabins, cubicles, work stations, file units, storage space, other furniture etc. as per plan enclosed. The work will also involve Electrification and provision of Electrical Fittings (from Electrical Room on each floor to end user on same floor) and their switches etc. It will also involve providing Electrical Lights etc. in false ceiling. The work will have to be done as per Bill of Quantities (Annexure-A) in consultation with the Department in respect of the drawings for the work, specifications of materials, choice of colour and design for various Furniture Items. This work will have to be completed within 4 months. For delay in completion of work, at the discretion of the department, penalty of 1% of cost of work will be levied for first one month or part thereof. Penalty of 3% of cost of work will be levied for subsequent second one month or part thereof. Thereafter, there is steep penalty of 10% of cost of work will be levied for subsequent each month or part thereof. So, time is the essence of the work. Hence, the bidder should be in sound financial and liquidity condition as the non-completion of the work in time will result in penalty and losses to the bidder."

The Principal Chief Commissioner of Income Tax, Pune, on behalf of the President of India, invites sealed bids i.e. 1) Technical Bid and 2) Financial Bid, **for Furniture & Fixture Work (Annexure 'A')** to be done on 2nd to 8th Floors of Bodhi Tower Building, from reputed concerns having rendered services to reputed organizations and having good track record and work experience.

2. SCOPE OF WORK

Scope of Furniture & Fixture Work including electrical fittings are detailed in **Annexure – A** and broadly includes:

- i. Supply and installation of DB's (Distribution Board) power outlets.
- ii. Supply and installation testing & commissioning Light point wiring in Fire Retardant PVC (FRPVC) Conduits (junction & pull boxes), etc.
- iii. Supply and installation of lighting fixtures.
- iv. Supply and Installation of Race ways / Junction box / pull box, blank conduit for Telephone / TV cables.
- v. Supply and Installation of power point wiring in Fire Retardant PVC [FRPVC] (MMS) Conduit.
- vi. Supply and Installation of TV & Telephone wiring in FRPVC (MMS) Conduit.
- vii. Works like chasing & making pockets for grouting, if necessary, grouting of panels DB's etc. are included in scope.
- viii. Installation of vertical & horizontal sleeves & slabs wherever required as per drawing.
- ix. Scope includes commissioning of all items as per BOQ and thereafter necessary testing after installation.

3. Eligibility Criteria (For Technical Bid):

(i) The bidder should have satisfactorily completed sufficient number of similar interior work in the last three years i.e. F.Y. 2012-13, 2013-14 & 2014-15 with the State/Central Govt. Departments/PSUs/ Reputed Private Organizations/Local Body/ Agencies (minimum single contract amounting to Rs. 2 Crore) The applicant bidder should furnish details of such jobs done with documentary proof viz. work order and TDS certificates in respect of payments received from the client.

(ii) The bidder shall provide a list of their client's alongwith contact details & telephone numbers whose projects they have completed in the past.

(iii) The bidder's **annual turnover** should not be less **than Rs. 20 crore** for each of the last **three** financial years (FY 2012-13, 2013-14 and 2014-15). The bidder should furnish copies of audit reports, P&L A/Cs, Balance Sheets as a documentary proof. The certificate of turnover duly signed by Chartered Accountant should be enclosed with technical bid. The bidder should also have filed Income Tax Returns for last 03 financial years i.e. FY 2012-13, 2013-14 and 2014-15 (Documentary proof should be submitted with the Technical bid).

(iv) The bidder must have all the required Registrations & Permissions from State/Central Govt. Department such as PAN/Service Tax /VAT/TIN/TAN/PF/ESI etc. Photocopies of these registrations should be enclosed with the Bid.

(v) The bidder should not have been blacklisted or debarred from participating in the tenders at any point of time by any of the Central or State Government, semi government or local body/ agencies at any point of time.

(vi) A self certificate to these effects (on all the above points as per Annexure-B should accompany the technical bid.

4. Earnest Money Deposit (EMD):-

- i) The bidder is required to enclose an EMD of Rs. 10,00,000/- (Rupees Ten Lacs only) with the Technical Bid in the form of demand draft from a scheduled commercial Bank in favour of '**Zonal Accounts Officer, CBDT**' payable at Pune. No interest is payable on this EMD.
- ii) The EMD of unsuccessful bidder will be refunded without interest.

5. Process

Selection of successful vendor/Service provider will involve a Eight (8) stage approach before issuance of Work order/letter of appointment. The approach follows the Indian Government's Central Vigilance Commission (CVC) guidelines.

Stage-I	Stage-II	Stage-III	Stage-IV	Stage-V	Stage-VI	Stage-VII	Stage-VIII
Issue Notification	Issue Tender Document	Site Inspection	Pre-bid Meeting	Receipt Of Tender	Opening Technical Bid	Opening Financial Bid	Awarding of Contract

6. SUBMISSION OF BIDS

The Bids are to be submitted in two parts in separate sealed envelopes, i.e. Technical Bid and Financial Bid.

6.1 The bidders should submit their bids in two bid system i.e. **Technical Bid** and **Financial Bid**. Both the envelopes should be properly sealed, and should mention thereon the 'Bid for Furniture & Fixture Work & Electrical Fittings at Bodhi Tower Building, Pune-Technical Bid/Financial Bid' as the case may be.

6.2 The name, address and telephone numbers/cell nos. and email-id of the authorized contact person should be clearly mentioned on the outer side of the sealed envelopes.

6.3 All the Bid documents submitted shall be serially page numbered, duly signed and sealed on each page and contain the table of contents with page numbers indicating on it.

6.4 Both the inner envelopes should be mentioned as 'Technical Bid' and 'Financial Bid' and shall bear the name, address, phone no. and cell no., e-mail id of the bidder.

6.5 If the outer and inner envelopes are not duly sealed and marked as required, the Department shall assume no responsibility for the bid's misplacement or premature opening.

6.6 Financial bid will be opened only in respect of bidders whose Technical Bid has been qualified. Financial bids will be opened only when there are at least two successful Technical bids.

6.7 If for any reason, it is found that the Technical bid reveals the Financial Bid related details in any manner whatsoever or the Financial Bid is enclosed in the envelope super-scribed '**Technical Bid**', the Bid document will be summarily rejected in the first instance itself.

7. Site Inspection:- The interested bidder may carry out necessary inspection on the site of work/measurement of work space on **26/05/2016 between 11.00 Hrs. to 17.00 Hrs.** before submitting tender, in co-ordination with Income Tax Officer (Infrastructure) (020-26053336), Office of the Principal Chief Commissioner of Income Tax, Aayakar Bhavan, 12, Sadhu Vaswani Chowk, Pune.

8. Pre-bid Meeting:- A pre-bid meeting of all the intending bidders desirous of attending shall be held on **31/05/2016 at 11.00 a.m.** at Conference Hall, Aayakar Bhavan, 12, Sadhu Vaswani Chowk, Pune, where the intended bidders can have detailed dialogue regarding the tender, procedure for filling-in the Technical Bid, financial Bid or any other matter/clarifications concerning the tender. The Department reserves the right to modify the tender document by issuing addendum, if it is needed to be done after discussion with the bidders in the pre-bid meeting.

9. Receipt and Opening of Tender

i) The two separate sealed envelopes i.e. (i) Technical bid and (ii) Financial bid should be placed in a third larger sealed envelope and the same should be submitted/dropped in the box kept in Room NO. 212, office of the Income Tax Officer (Infrastructure), 2nd floor, Aayakar Bhavan, 12, Sadhu Vaswani Road, Pune- 411 001 **up to 6:00 P.M. on or before 08/06/2016.**

ii) Bids must be received by the Department at the address specified not later than the time and date specified above. In the event of the specified date for the submission of Bids being declared a holiday for the Department, bids will be received up to given time on the next working day.

iii) The Department may, at its discretion, extend the deadline for submission of bids which will be binding on all the bidders.

iv) Any bid received after the deadline for submission of bids prescribed by the department in the tender document will be rejected and will not be opened.

v) If, in case of unforeseen circumstances or administrative requirements, the bids cannot be opened on the above mentioned date and time, the same will be opened on a subsequent date and would be informed to the bidders.

vi) Tenders received will be opened by the Tender Evaluation Committee ((hereinafter referred as 'TEC') constituted by the Department at 11.00 A.M. on **09/06/2016** in the Conference hall, 2nd floor Aayakar Bhavan, Sadhu Vaswani Chowk, Pune- 411 001 in the presence of such bidders and / or their authorized representatives duly authorized by the bidders who are present at the time of opening of tenders. The valid bids will be processed in two parts. Details furnished in the Technical Bid shall be assessed/evaluated by a TEC appointed by the Department. Further, a list of vendors who are eligible in Technical Bids will be placed on the Notice Board at Ground Floor of the Aayakar Bhavan, Pune **by 4:00 P.M. on 13/06/2016.**

The Financial Bids of the eligible bidders will be opened **on 14/06/2016 at 11.00 A.M.** in the Conference hall, 2nd floor Aayakar Bhavan, Sadhu Vashwani Chowk, Pune- 411 001 in the presence of such bidders and / or their authorized representatives duly authorized by the bidder who are present at the time of opening of Financial Bids.

10 SUBMISSION OF BIDS:

(A) Technical Bid

- i. The Technical Bid should be as per **Annexure 'C'** and should be supported by the documents indicated in the said Annexure.
- ii. Bid document should be duly signed & stamped by authorized person on each page.
- iii. The Demand Draft in respect of 'Earnest Money Deposit' should be submitted with the 'Technical Bid'.
- iv. The TEC appointed by the Department will open all Technical Bids in the first instance on the appointed date, time & venue and will select bids which qualify the eligibility criteria as laid down here or the criteria devised by the TEC.
- v. During evaluation of bids, the Department may, at its discretion, ask the Bidder for clarification of the bid.
- vi. No bidder shall contact the Department on any matter relating to his bid from the time of the bid opening to the time of issue of work order. All bidders are strongly advised to furnish all material information in the bid itself.
- vii. Technical bid should not have information relating to Financial bid.
- viii. Canvassing in any form will disqualify the bidder.
- ix. The self certificate on the eligibility criteria as mentioned in point **3(vi)** should be attached to the technical bid as per **Annexure-'C'**.
- x. The TEC considering Technical Bids may obtain feedback from the clients for whom bidder has executed similar works in the past. TEC will have the discretion to disqualify the bidders based on the feedback received. Decision of the TEC will be final in this regard.
- xi. TEC considering Technical Bids may examine the financial and liquidity position of the bidder based on P&L, B/S and annexure submitted with the bid for qualification.
- xii. Selection of the bidder would be made after taking into account together all the relevant factors like past performance, credentials, responsible business practices, financial capacity etc.
- xiii. Without affecting the sanctity of the above criteria, the Department, reserves rights to relax any condition of eligibility criteria qualifying the bid(s) based on merit of each case and if the situation so warrants in the interest the department.

(B) Financial Bid

- i. Initially, only the technical bid will be opened. The Financial bid will be opened, only if, the bidder is selected in the technical bid.
- ii. The tender document, marked as **Annexure-‘D’** is a ‘Financial Bid’.
- iii. The bidders are required to submit bid in respect of entire tender work i.e. Furniture & Fixture works including electrical fittings Work.
- iv. Rates quoted should be all inclusive and no separate claims will be entertained towards delivery charges, testing charges, taxes, duties etc.
- v. The price quoted will be valid during the execution of award of contract and value of contract will not be modified.
- vi. The work will be awarded to the party bidding the lowest cost.
- vii. The Financial Bid shall comprise the price component for all the services indicated in the bid document. The price quoted by the bidders shall include all applicable taxes. The bidder shall include all taxes and surcharge etc. as applicable on this works that are provided under this contract in the lump-sum rates quoted and Department would not bear any additional liability on this account.
- viii. The Department shall however, deduct such tax at sources as per the rules and issue necessary certificates to the bidder.
- ix. Prices shall be quoted in Indian rupees only (₹).
- x. The decision of the TEC will be final in respect of correction of typographical and arithmetical errors.

11. Terms of payment: Payment against Bill/Invoice shall be released only after satisfaction of the Department about the work done. The Department may consider making interim payment after 50% of the work is completed. However, the execution of work should not suffer in case of delay in payment and it cannot be a ground for extending the time line for completion of work.

12. General Instructions

- i) The Department, reserves the right to accept or reject any or all bids without assigning any reasons.
- ii) The Department also reserves the right to reject any bid (including the lowest one) which in its opinion is not responsive or violating any of the conditions/specifications or which is found to be adopting unethical business practices; without bearing any liability or any loss whatsoever it may cause to the bidder in the process.
- iii) The material/ items supplied should be of standard and reputed manufacturers/ suppliers as mentioned in BOQ.

iv) The Department reserves the right to cancel or postpone the tender at any stage without assigning any reason thereof. The decision of the Department will be final.

13. RIGHTS & RESPONSIBILITIES OF THE PARTIES

i) No child labour shall be employed by the bidder. The Department shall not be responsible for any breach of laws by the bidder.

ii) Bidders will provide all safety equipments to the workers at site and the Department shall not be responsible for any eventuality with the workers.

iii) In case of any dispute, during the tender process, the decision of the Department would be final.

14. Material & Workmanship:

All the materials to be supplied / installed for execution of the work shall be of first quality , new and strictly as per specification mentioned in BOQ. The materials used will strictly have to be of the brands/make specified in the BOQ. All the work shall be executed with highest quality of workmanship, as per drawings and as directed by the Department.

15. Inspection and measurement of Work:-

15.1 A qualified Architect, having minimum 10 years of experience in profession, should be appointed by the successful bidder , in consultation with the Department. The Architect shall be responsible for monitoring of work at site, its quality, workmanship and as to whether the work is being done as per specification mentioned in the tender document or not? The Architect shall report about the work on regular basis to the Department.

15.2 The Department will have the right to inspect the quality of material and workmanship at any point of time and ask the bidder to take corrective steps if any work is not found to the satisfaction of the Department. The Department will issue a completion certificate after its satisfaction on completion of entire work.

15.3 Quantity of Bid Work indicated is subject to increase or decrease as per actual requirement and at the discretion of the Department. The rate quoted by the Bidder shall be applicable for any increase / decrease of the quantity of work. Actual measurement/ quantity of all items under BOQ shall be jointly taken at site on completion and quantified for final billing.

16. Post Completion Handing over documents:

Bidder's scope of work also covers post completion handing over documents, which will cover.

- a) As Built Drawings.
- b) Installation & maintenance manuals of all equipments.
- c) Test & warranty certificates of all bought out items.
- d) Test certificates for all installations.
- e) Audit for electric safety & with Govt. recognized agency viz. MITCON etc.
- f) Completion certificate will be issued only after submission of the above mentioned documents.

17. Warranty/ Repairs of the work:- Warranty / Repairs of the work is to be assured by the bidder for a period of one Year from the date of issue of completion certificate by the Department. In case of non attendance of work, such as any defects, faults, deterioration in performance of the material etc., by the Bidder in stipulated time the work shall be completed by the Department by appointing another vendor and accordingly retention money would be deductible against the cost of such work done.

18. Retention Money:- 5% of the contract amount shall be kept as retention money and will be released after 01 year (One year) from the completion of the work. No interest is payable on this amount.

19. ISSUE OF NOTIFICATION AND TENDER DOCUMENT:

19.1 Tender will also be available on department website www.incometaxindia.gov.in & <http://eprocure.gov.in> and tender Documents can also be obtained from the ITO(Infra), Room no. 212 Aayakar Bhavan, 12, Sadhu Vaswani Road, Pune-411001 during the regular office hours i.e. 10:00 A.M. to 6:00 P.M. **upto 08/06/2016** on payment of non-refundable tender fee of Rs.10,000/- by **Cash** or **DD drawn in favour of ZAO, CBDT, Pune payable at Pune. For the purpose of downloading drawings the bidders can visit the link https://drive.google.com/open?id=0Bzt0sGyQl_37cG1vZHN2WHppTWs** In case the tender document is downloaded from the Department's website, a non-refundable tender fee of Rs.10,000/- has to be paid by way of **DD drawn in favour of ZAO, CBDT, Pune payable at Pune** at the time of submission of the duly filled in tender application.

19.2 Drawings can be downloaded free of cost from the website given above. However, those desirous of obtaining physical copy of the drawings can obtain the same on payment of non-refundable fees of Rs. 25000/- (Rs. Twenty Five Thousand only) by Cash or DD drawn in favour of ZAO, CBDT, Pune payable at Pune.

(GAURAV BATHAM)
Addl. Commissioner of Income Tax(HQ)(Admn&TPS)
For Pr. Chief Commissioner of Income Tax, Pune

ANNEXURE-A

BILL OF QUANTITY (BOQ)

Note : All material used shall be strictly of brands/make as specified in the material specification list provided at the end of BOQ

A	<u>FURNITURE AND FIXTURES</u>	
a) (i)	<p>P/F of 87 mm (3 3/8") thick Half Height Wooden Partition (TYPE A+C) 122 cm or (7'H) in staff areas of varying lengths/ shapes/ bends/ curves (as per drg.) in staff areas constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides/ door jambs in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ wall/ other partition or furniture unit, floor etc with necessary slots for passage of electrical conduits/ cables and covered with 12 mm thick Commercial Plywood MR grade (IS 303), from both sides then with 6 mm Ex. Grade MDF panels from ONE side only with 8 mm grooves (matching color melamine polish finish) & finished with 1 mm thick Laminate from both sides etc. and 12 mm toughened clear glass with acid wash / film in part areas (as per drg.) fitted in place by 1/2" BTC lipping in melamine polish from inner side, complete. All floors Total -9743 sq ft. COLOR ON DRG - MAGENTA</p>	905 Sq. Mtr
(ii)	<p>P/F of 87 mm (3 3/8") thick Full Ht. Wooden Partition (TYPE A+C) Floor up to 213 cm or (4' H) Description Same as a (i) All floors Total - 862 sq ft COLOR ON DRG - RED</p>	80 Sq. Mtr
b) (i)	<p>P/F of 81 mm (3 1/8") thick Full Ht. Wooden Partition (TYPE C+C) From Floor up to 213 cm or (7' ht.) of varying lengths/ shapes/ bends/ curves (as per drg.) in hall / staff areas constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides/ door jambs in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ floor/ wall/ other partition or furniture unit, etc. with necessary slots for passage of electrical conduits/ cables and covered with 8mm thick Commercial Plywood MR grade (IS 303) finished with 1 mm thick Laminate (NO MDF) with 12 mm toughened clear glass with acid wash / film in part areas (as per drg.) fitted in place by 1/2" BTC lipping in melamine polish from inner side, including fixing & sealing of wooden partition to existing aluminium box pipes on glazing side by sealants, screws, hardware to make it sound proof etc. complete.</p> <p>All floors Total - 9081 sq ft COLOR ON DRG - BLACK</p>	844 Sq. Mtr
(ii)	<p>P/F of 81 mm (3 1/8") thick part Height Wooden Partition (TYPE C+C) 83 cm or (4'H) (from floor up to 6' ht.)...description same as I a) All floors Total - 2210 sq ft COLOR ON DRG - BLACK</p>	205 Sq. Mtr

c (i)	<p>P/F of 93 mm (3 5/8") thick Full Ht. Wooden Partition (TYPE A+A) From Floor up to 213 cm or (7' ht.) of varying lengths/ shapes/ bends/ curves (as per drg.) in hall / staff areas constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides/ door jambs in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ floor/ wall/ other partition or furniture unit, etc. with necessary slots for passage of electrical conduits/ cables and covered with 8mm thick Commercial Plywood MR grade (IS 303) from both sides, then with 6 mm Ex. Grade MDF panels from BOTH sides, (matching color melamine polish finish) with 8 mm grooves & finished with 1 mm thick Laminate and 12 mm toughened clear glass with acid wash / film in part areas (as per drg.) fitted in place by 1/2" BTC lipping in melamine polish from inner side, including fixing & sealing of wooden partition to existing aluminium box pipes on glazing side by sealants, screws, hardware to make it sound proof etc. complete. (1079 sq ft)</p> <p>COLOR ON DRG - GREEN</p>	100.24 Sq. Mtr
(ii)	<p>P/F of 93 mm (3 5/8") thick part Height Wooden Partition (TYPE A+A) 83 cm or (4'H) (from floor up to 6' ht.)...description same as b) i) in waiting area. Total Area 50 sq ft COLOR ON DRG - GREEN</p>	4.64 Sq. Mtr.
d (i)	<p>P/F of 81 mm (3 3/8") thick height Wooden Partition (TYPE B+B) (from 7' ht. up to False Ceiling - 61 cm or (2'0" H) of varying lengths/ shapes/ bends/ curves(as per drg.) constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ wall/ floor/ other partition or furniture unit, etc. with necessary slots for passage of electrical conduits/ cables and covered with 8mm thick Commercial Plywood MR grade (IS 303), then with 6 mm Ex. Grade MDF panels with 8 mm grooves from both sides, 4" x 2" ply box in 1 mm laminate finish (see Partition section drawing) & 6 mm MDF finished with 3 coats of luster paint from both sides etc. complete.</p> <p>Total Area 8744 sq ft</p>	812.33 Sq. Mtr.
e (i)	<p>P/F Panelling to walls / columns in 12 mm ply as base level screwed to wall with 6 mm Ex. Grade MDF panels with 8 mm grooves (matching color melamine polish finish) & MDF finished with 1 mm thick Laminate. COLOR ON DRG - DARK BLUE Total Area 4747 sq ft</p>	441 Sq. Mtr
(ii)	<p>P/F Panelling on existing 12 mm from rear side of 9' file units ply....description same as d (i) COLOR ON DRG -CYAN</p>	25 Sq. Mtr.

f (i)	<p>P/F of 35 mm thick Flush doors (213 cm x 84 cm) 7'Ht. x 2'9"W (or as per drg) confirming to IS 2202 for cabins with 1½" x ½" full length BTC lipping on all edges, 1 mm laminate finish on both sides, 4 no - (100X28X4 mm) heavy gauge railway butt brass hinges, 10" aldrop, 10" handle set (screw fixing type/ as approved), door stopper, magnetic door stay and Dorma/Yale door closer, glass panel (as per drg.), hardware, hung in true plumb and smooth working operation, melamine polish to lipping etc. complete.</p> <p>a) 84 cm (2'9") width - 130 no b) 91.5 cm (3'0") width - 3 no</p>	<p>Width 84 cm - 130 no</p> <p>Width 91.5 cm - 3 no</p>
(ii)	<p>P/F of 35 mm thick Flush doors - overall door size - 213 cm x 175 cm or (7' ht. x 5'9" W) door shutter width - 107 cm or 42" (see drg) confirming to IS 2202 for halls/ cabins with 1½" x ½" BTC lipping on all edges, 1 mm laminate finish on both sides, 6 mm glass panels as per design, heavy duty Hettich/Dorma/Yale Floor Spring, 10" aldrop, door stay, 18" handle set (screw fixing type/ as approved), door stopper, magnetic door stay, hardware, hung in true plumb and smooth working operation with fixed glass + ply/ laminate panels, melamine polish to lipping etc. complete.</p>	5 no.
g	<p>P/F of Workstations 122 x 61 x 79 cm (4' W x 2' D x 2'7" H) or size as per drg. constructed in commercial plywood having 18mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, 18 mm ply box movable Drawer Pedestal Unit with Europa drawer locks, Hafele / Hettich telescopic Channels / hinges, 4" ht. sturdy brass handle, Rehau edge banding, 1/2" lipping to all members touching the floor and 12 mm thick, as per shape glass divider 53 x 38 cm (1'9"x1'3") fixed with 4 no. heavy 'D' brackets, machine polished edges etc. complete.</p> <p>i) 122 cm or 4' L - 378 no ii) 114 cm or 3'9" L - 3+3+3+2+3 = 14 no iii) 145 cm or 4'9" L - 1no iv) 221 cm or 7'3" L - 1 no</p>	<p>1.22 m - 378 no 1.14 m - 14 no 1.45 m - 1no 2.21 m - 1 no</p>
h	<p>P/F of File Units 46 x 124 cm (1'6" D x 4'3/4" H) in staff areas of varying lengths (as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shelves shutters / boxing, 8 mm back ply finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate, including Europa drawer locks, 4" ht. sturdy brass handles, auto-locking cam bolt / tower bolt, magnetic ball catch, Rehau edge banding, 1/2 " lipping to all members touching the floor, necessary hardware etc. complete.</p> <p>All floors Total - 192.86 r m 633'2" r ft x4' = 2533 sq ft</p>	235.28 Sq. Mtr.

i	<p>P/F of File Units 46 x 122 cm (1'6" D x 4' H) in cabins of varying lengths (as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shutters, shelves, 8 mm back ply finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa cupboard locks, 4" ht. sturdy brass handles, auto-locking cam bolt / tower bolt, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, necessary hardware etc. complete.</p> <p>All floors Total - 45'6" r ft x 4' ht =182 sq ft 13.85 r m x 1.22 m = 16.89 sq m</p>	16.89 Sq. Mtr.
j	<p>P/F of File Units 46 x 213 cm (1'6"D x 7'H) of varying lengths (as per drg.) open able (part) from either sides or totally from 1 side, 18 mm commercial plywood MR grade (IS 303) carcass & shutters, 18 mm shelves inside carcass & 12 mm glass shelves from outside carcass, 8 mm back ply, finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa drawer locks, sturdy brass handles (4" brass handles for shutters below 3'6" & 8" for shutters above 3'6" ht.), auto-locking cam bolt / tower bolt, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, necessary hardware, etc. complete.</p> <p>All floors Total - 266'7" r ft x7' ht. = 1862sq ft</p>	173 Sq. Mtr.
k	<p>P/F of Full Ht. File Units 46 x 274 cm (1'6"D x 9'H) False Ceiling ht. - of varying lengths /shapes (as per drg.) open able from 1 side or (part) from either sides, 7' ht shutters only constructed in 18 mm commercial plywood MR grade (IS 303) carcass, shelves, shutters, 4" x 2" ply boxing at 7' ht., 8/12 mm back ply, finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate (SF up to 7' ht and 1 mm HG to above 7' shutters including Europa cupboard locks, Hafele / Hettich hinges, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, (4" brass handles for shutters below 3'6" & 8" for shutters above 3'6" ht.), auto-locking cam bolt/ tower bolt, necessary hardware, etc. complete.</p> <p>All floors Total - 183.59 r m x 2.74 m =503.03q m</p>	503.03 Sq. Mtr.
l	<p>P/F Xerox machine units + Lofts (as per drawings) up to 9' ht. constructed in 18 mm commercial plywood MR grade (IS 303) carcass, shutters with 1 mm laminate externally and 1 1/4" edges, internal boxing/shelves finished in 0.9 mm thick laminate including Hafele/ Hettich telescopic Channels / hinges, Europa drawer locks, 4" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor and necessary hardware etc. complete.(Central unit to be movable)</p>	<p>All floors</p> <p>A TYPE - 32.83 sq Mtr.</p> <p>B TYPE - 43.03 sq Mtr.</p> <p>(See drawings)</p>

m	P/F Pergola (as per drawings) constructed in 18 mm commercial plywood MR grade (IS 303) boxing of 6" x 2" size, finished in Floor Works strips finish and necessary hardware for fixing to wall/ beam/ file unit/ partitions etc. complete.	3/4/6/7/8 th Floor - A type - 5 no 2/5th Floor B type - 2 no
n	P/F of Reception Counter in Lift Lobby (shape as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, movable drawer pedestal unit, 9" ledge @ 3'9" level in Floor Works finish, saloon door, 3" small partition, side table with drawers and shutters below, shelves, finished all sides with 1 mm thick Laminate including Europa locks, Hafele/Hettich hinges, magnetic ball catch, Rehau edge banding, 12 mm glass top with EP to counter top only, 1/2" lipping to all members touching the floor, 4" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, magnetic ball catch, necessary hardware, etc. complete.	7 no 3.43 x 7 no = 24 R. Mtr
o	P/F of 7' ht. File Unit behind Reception Desk in Lift Lobby (shape as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) carcass, shutters shelves, finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate, including Europa locks, Rehau edge banding, 1/2" lipping to all members touching the floor, 4"+8" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, magnetic ball catch, necessary hardware, etc. complete. (8' L x 7' ht) =56 sq ft x 7= 392 sq ft. 2.43 x 2.13 x 7 floors = 36.19 sq m	36.19 Sq. Mtr.
p	3' deep Cupboard + Loft in Conference Room on 5th Floor constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shelves, 25 mm thick Pine Block Board shutters , finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa locks, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, 4" + 8" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, necessary hardware, etc. complete. 3' x 7'=21 sq ft. 3'x 2'0" =6 sq ft.	Cupboard 1.94 sq m Loft 0.55 sq m
q	Cupboard in R. Room (2' D x 7' H) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shelves, 25 mm thick Pine B/B shutters , finished all sides internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa cupboard lock, hanger rod, drawers with Europa cupboard / drawer locks, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, 8" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, necessary hardware polish 6'6"+5'6"=12'x7'=84 sq ft.	7.77 Sq. Mtr.

r	P/F Single cots (as per design) (size as in drawing) in 18 mm commercial plywood MR grade (IS 303) boxing, finished externally with 1 mm thick Laminate including wooden supports below to arrest sagging, 1/2" lipping to all members touching the floor, necessary hardware etc complete. (without mattress)	8 Nos.
s	P/F Side Tables to Single Cots of varying lengths (see drawing) 18" Ht. x 18" deep with 1 drawer with Europa drawer lock, 1/2" lipping to all members touching the floor, Hafele/Hettich telescopic Channels, 4" ht. sturdy brass handles, necessary hardware, etc. complete.	8 Nos.
t	Entrance Doors - Renovating Existing Entrance Doors to all floors including pasting 6 mm ply/MDF on existing door from both sides, pasting new 1 mm laminate from both sides, new railway butt hinges, handles, aldrip, locking arrangement, door closer, door stopper & stay, BTC lipping, glass, door closer, door stay hook, melamine polish, labor etc. complete.	7 Nos.
u (i)	Airport Lounger Sofa in Stainless Steel frame, power coated m.s. seat (as approved) in ASK centre and in all floors hall waiting areas.	3 Seater - 15 no 2 Seater - 6 no
(ii)	Wooden Armchair sofas with cushion seats (see drawing)	6 no.
v	P/F Cushioned Sofa in Pine/Deodhar wood framing, 4"+1" (40 density) Sleepwell Feather Foam seat with 3"+1" (32 density) for back, Recron filling to seat and back, Zigzag/ jalebi spring, with Synthetic Foam Leather finish cover material (as approved) of Mayur Uniquoters ltd. or Emporio make, 3" wooden legs (as per deco. Shape) with melamine polish etc.	
(i)	Addl. / Dy. CIT Cabin (6'1") 3 Seater - 13 no (4'4") 2 Seater - 15 no (2'7") 1 Seater - 38 no	(6'1") 3 Seater - 13 no (4'4") 2 Seater - 15 no (2'7") 1 Seater - 38 no
(ii)	CIT / DIT Cabin & CCIT/DGIT Visiting Cabin (6'6") 3 Seater - 9 no (4'6") 2 Seater - 5 no (2'9") 1 Seater - 15 no (11'8") Ante room ('L') - 6 no	3 Seater - 9 no 2 Seater - 5 no 1 Seater - 15 no Ante room - 6 no

w	P/F Cushioned Sofa in Lift Lobby Pine / Deodhar wood framing, 4"+1" (40 density) Sleepwell Feather Foam seat with 3"+1" (32 density) for back, Recron filling to seat and back, Zigzag/ jalebi spring, with Synthetic Foam Leather finish cover material (as approved) of Mayur Uniquoters Ltd. or Emporio make, 3" s.s. legs (as approved). 3 Seater - 35 no 2 Seater - 14 no	3 Seater - 35 no 2 Seater - 14 no
x	P/F Centre Tables	
(i)	Addl. / Dy. CIT Cabin/ Lift Lobby (2'x3') All laminate, 12 mm glass top.	29 no
(ii)	CIT / DIT Cabin / All Ante Rooms (2'x3') Laminate+ Floor Works, 12 mm glass top.	15 no
(iii)	CCIT / DGIT visiting Cabin (23"x3'6") Laminate+ Floor Works, 19 mm bend glass top.	2 no
y	P/F Corner Tables	
i)	Addl. / Dy. CIT Cabin/ Lift Lobby (2'x2') (specifications same as Centre Tables in x (i))	62 no
ii)	CIT / DIT Cabin (2'x2') (specifications same as Centre Tables in x (ii))	9 no
iii)	CCIT / DGIT visiting Cabin (2'x2') (specifications same as Centre Tables in x (iii))	4 no
II	CABINS (Type - C) (PS / AO/ ITO)	
a (i)	P/F Working Tables (6' TO 7') for Officers (see drawing) in 18 mm ply frame + 12 mm strips (as per drg), as per size, shape in 1 mm laminate finish in color scheme on all visible sides, 12 mm glass top with all sides EP with 3" dia. semi circle cut out, 1/2" lipping at ground touch points, Hafele / Hettich telescopic Channels / hinges, 4" ht. brass handles, Ebco readymade key board with mouse pad, Europa (common key) drawer locks to all drawers, Rehau edge banding, necessary hardware etc. complete. 7'x 3' - 49 no 6'6"x 3' - 10no 6'x 3' - 6 no	49 no 10 no 6 no
(ii)	P/F of movable Drawer Pedestals Units under workstations (Godrej or approved make) with 2+1 configuration, five wheels, lockable, to be attached to the workstation, etc. complete.	65 Nos.

b	<p>P/F Side Table Units (1'6"D x 2'4" Ht.) attached to Working Tables (as per drawing) in varying shape/3'-4' length, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, (common/master key) Europa drawer locks, 4" ht. brass handles, Rehau edge banding, 5"H x 2 1/2"D front side, mirror screw open-able box strip (as per drg.) for electrical connections in some units and necessary hardware etc. (unit not to be fixed to the ground)</p> <p>3' x 34 no=102 rft + 3'6" x 5 no =17'6" R.ft +4' x 26 no=104 rft = 223'6"x2'4"= 521 sq ft</p>	48.40 Sq. Mtr.
c	<p>P/F Rear Table Units (1'6"D x 2'4" Ht.) attached to Side Tables (as per drawing) in varying shape, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich hinges, 4" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc. complete. (unit not to be fixed to the ground)</p> <p>165'9" x 2'4" = 386 sq ft</p>	35.86 Sq. Mtr.
d (i)	<p>Computer Tables</p> <p>P/F of Computer Tables (4'- 4'6" W x 2' D x 2'7" H) or size as per drg. (see drawing) with Movable Drawer Pedestals, floor standing file unit constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, 1/2" lipping to all members touching the floor, hardware etc. complete.</p> <p>4' - 41 no 4'5" - 10 no All floors Total - 51 no</p>	1.2 m - 41 no 1.35 m -10 no
(ii)	<p>Overhead File Unit above Computer Tables (4'-4'6"L)...(See drawing)...description same as 18" File Units</p> <p>4'x 2'3"x 16 =144 sq ft 4'5"x 2'3" x10 =101sq ft Total - 245 sq ft</p>	22.76 Sq. Mtr.

e	<p>P/F 2'6" ht. Glass Glazing side File Units (1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing /shelves /shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, common key Europa drawer locks, 4" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc. complete.</p> <p>Total - 62'1" x 2'6" = 155 sq ft</p>	14.4 Sq. Mtr.
III	CABINS (Type - B) (DY.CIT/ AD.CIT)	
a (i)	<p>P/F Exe. Tables for Officers in 18 mm ply frame + 12 mm strips (as per drg), size, shape in 1 mm laminate finish in color scheme, with 12 mm glass top, all sides EP with 3" dia. semi circle cut out for wall touch tables, 12 mm glass with all sides EP, 1/2" lipping at ground touch points, Hafele / Hettich hinges, 8" ht. brass handles, readymade key board with mouse pad, Europa common key drawer locks to all drawers, Rehau edge banding, necessary hardware etc.</p> <p>8'6" x 3'6" - 16 no 8' x 3'6" - 2 no 8' x 3'0" - 8 no 7'3" x 3'0" - 5 no</p>	2.59 x 1.07m - 16 no 2.44 x 1.07m - 2 no 2.44 x 0.91 m - 8 no 2.21 x 0.91 m - 5 no
(ii)	<p>P/F of movable Drawer Pedestals Units under workstations (Godrej or approved make) with 2+1 configuration, five wheels, lockable, to be screwed to the workstation, etc. complete.</p>	31 no
b	<p>P/F Side Table Units (1'9"D) attached to Working Tables (as per drawing) in varying shape 3'6"/4' length, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels, magnetic ball catch, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, 5"H x 2.5"D front side mirror screw open able box strip (as per drg.) for electrical connections in some units and necessary hardware etc. (unit not to be fixed to the ground)</p> <p>115'6" x 2'4" ht =269 sq ft.</p>	25 Sq. Mtr.
c	<p>P/F Rear Table Units (1'6"D) attached to Side Tables (as per drawing) in varying shape, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc. (unit not to be fixed to the ground)</p>	
	i) With Ply shutters (2'4" ht) 119'1" x 2'4" = 277 sq ft.	25.73 Sq. Mtr.
	ii) With Alu. Profile shutters in 1 mm Laminate finish (3' ht) - 50'8" x 3'0" ht=152 sq ft	14.12 Sq. Mtr.

d	<p>P/F 2'6" ht. Glass Glazing side File Units (1'6"D), (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing / shelves / shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc.</p> <p>-102'1"x2'6" ht = 255 sq ft.</p>	23.69 Sq. Mtr.
e	<p>P/F of Computer Tables with Movable Drawer Pedestals (4'- 4'6" W x 2' D x 2'7" H) or size as per drg. constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, Europa drawer locks, Hafele / Hettich telescopic Channels / hinges, 8" ht. sturdy brass handles, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, hardware etc. complete.</p>	29 no.
IV	CABINS (Type - A) (CIT/DIT/ CIT(A) & Visiting Room for CCIT/ DGIT	
a	<p>P/F Exe. Tables for Commissioners in 18 mm ply frame + 12/18 mm ply strips (as per drg), size, shape in 1 mm laminate finish / part in 3 mm 'Floor Works' PVC floor strips (6" X 36") in approved color scheme pasted with Fevicol SR, 19 mm glass tops with all sides beveled/ pencil molding with acid wash engraved Logo/ design, with ply boxing fixed Drawer Pedestal (2+1) Unit, 1/2" lipping at ground touch points, Hafele / Hettich soft close telescopic Channels, 8" ht. brass handles, readymade key board with mouse pad, Europa common dimple key drawer locks to all drawers, Rehau edge banding, necessary hardware etc. 9'x3'6" - 9 no and 10'x 4' - 2 no</p>	2.74 x 1.07m - 9 no. 3.05 x 1.22m - 2 no
b	<p>P/F Side Table Units attached to Executive Tables (1'9"D) (as per drawing) in varying shape 4'6"/4' length, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/ Hettich soft close telescopic Channels & hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, 5"H x 2.5"D front side mirror screw open-able box strip (as per drg.) for electrical connections in some units and necessary hardware etc. (unit not to be fixed to the ground or to the partition)</p> <p>47'x 2'4" ht =110 sq ft.</p>	10.22 Sq. Mtr.

c	P/F Rear Table Units attached to Side Tables (1'6"D) (as per drawing) in varying shape, lengths, heights, depths constructed in 18 mm commercial plywood boxing/shelves/shutters, part box with clear glass Aluminium Profile shutters finished in 3 mm Floor Works strips from inside and outside, all ply shutters with 0.9 mm thick laminate internally & externally with 1 mm thick Laminate including Hafele /Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc. (unit not to be fixed to the ground or to the partition)	
i)	Laminate finish (2'4" ht) - 65'10" x 2'4" = 153.40 sq ft	14.25 Sq. Mtr.
ii)	Alu. Profile shutters in 3 mm Floor Works finish from inside & outside (3' ht) - 46' 2" x 3' 0" = 138.45 sq ft	12.86 Sq. Mtr.
d	P/F 2'6" ht. File Units - Glass Glazing side (1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing / shelves / shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, and necessary hardware etc. (unit not to be fixed to the ground...) 2nd - nil +3rd - 24'2" + 4th - 24'2" + 5th-24'2" + 6th-24'2" + 7th-31'5" + 8th - 24'2" All floors Total - 152'3" x 2'6" ht = 381 sq ft.	35.36 Sq. Mtr.
e	P/F open Niche above Rear Table units (1'3" deep) in 18 mm ply with 3 mm Floor Works PVC strips finish to 1 1'4" strips and 1 mm laminate to other niche sides etc. complete. 10'11" x 1'8" x 1 no + 6'6" x 2'9" x 1 no = Total 36 sq ft (Total on all floors)	3.35 Sq. Mtr.
f	P/F of Computer Tables with Drawer Pedestals [In CIT (Appeal) Cabins only] (4'- 4'6" W x 2' D x 2'7" H) or size as per drg. constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, Europa drawer locks, Hafele / Hettich soft close telescopic Channels / hinges, 8" ht. sturdy brass handles, Rehau edge banding, 1/2" lipping to all members touching the floor, hardware etc. complete.	6 no.
g	General Store / Display / File Units (4'/3' H x 1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate / 3 mm Floor Works strips, part in Alu. Profile shutters with 12 mm glass shelves, including Hafele/Hettich soft close telescopic Channels / hinges, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, and necessary hardware etc. 6' x 4' = 3 no = 72 sq ft. (Total of all floors) (unit not to be fixed to the ground)	6.69 Sq. Mtr.

V	ASK CENTRE	
a(i)	P/F of Main Counter Table / Enquiry Counter (4'W x 2' D x 2'7" / 3'9"H) or as per size in Ask Centre (see detailed drg.) constructed in 18 mm commercial plywood MR grade (IS 303) carcass, movable drawer pedestal unit, 9" ledge @ 3'9" ht finished in granite (Tel. Black/Cats Eye brown) with pencil molding, all items below working top lvl to be finished internally with 0.9 mm thick laminate & all other areas with 1 mm thick Laminate including Europa locks, Hafele/Hettich hinges/ tel. channels, Rehau edge banding, 1" x 1/2" BTC lipping to all members touching the floor, 4" ht. sturdy brass handles, magnetic ball catch, necessary hardware, etc complete.	6 no.
(ii)	Extra Items Set Saloon door 2'6" x 3'6" - 1 no 1 1/2" small 'L' partition - 6' x 4' 3" partition 4' / 9' - 51 sq ft	1 Set
b	Books Display Unit (7'4"L x 7'2" Ht. x 1'4"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing/12 mm glass shelves /Alu. Profile shutters with built in handles, carcass finished internally & externally with 1 mm thick laminate including Hafele/Hettich telescopic soft close hinges, common key Europa drawer locks, Rehau edge banding, and necessary hardware etc. 7'4" x 7'2" = 53 sq.ft.	1 no. 4.87 Sq. Mtr.
c	P/F of Officer's Tables (4' x 2' D) or size as per drg. (without Drawer Pedestal) with 4" x 1 1/2" thick vertical, Movable Drawer Pedestal constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with finished in granite (Tel. Black/Cats Eye brown) other external sides in 1 mm thick Laminate including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray etc. complete.	2 no.
d	P/F Round Tables (3'6" dia) for Form Filling in Ply base / verticals, BTC runner with 12 mm glass top in circular shape with pencil molding fitted with studs with clear araldite / glass silicon fitting etc. complete.	2 no.
VI	LIBRARY	
a	Books Display Unit (6'2"L x 7'2" Ht. x 1'4"D) (as per drawing) in varying lengths, constructed in 18 mm plywood carcass, 12 mm glass shelves, approved Alu. Profile shutters with clear glass, carcass finished internally & externally with 1 mm thick laminate including Hafele/Hettich soft close hinges, Rehau edge banding, and necessary hardware etc. complete. 44 sq ft x 3 no= 132 sq ft	12.26 Sq. Mtr.

b	P/F Study Table (4'9" L x 1'6" / 2' D x 2'7" H) and shape as per drg. constructed in commercial plywood having edge thickness as 1 ¼", 18mm +12 mm thick top & verticals, in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, ½" lipping to all members touching the floor, hardware etc. complete.	1 no.
c	P/F of Reception Counter (4'W x 2' D x 2'7" H) or as per size in Ask Centre (see ASK centre counter detailed drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, drawer pedestal unit, 9" ledge @ 3'9", all items finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa locks, Hafele/Hettich hinges/ Tel. channels, Rehau edge banding, 1/2" lipping to all members touching the floor, 6" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, necessary hardware, etc complete.	1 no.
d	P/F 2'6" ht. File Units (Glass Glazing side) (1'6"D) (as per drawing) in varying shapes, lengths. 7'5" x 2'6" x 2 no + 5'4" x 2'6" = 51 sq ft	4.74 Sq. Mtr.
e	P/F Round (3'6" dia) Tables for Form Filling in Ply base / verticals, BTC runner with 12 mm glass top in circular shape with pencil molding fitted with studs with clear araldite / glass silicon fitting etc. complete. (see drawing)	5 no.
VII	CONFERENCE ROOMS	
a (i)	P/F Conference Table (29 seater 5 part modular assembly) in 18 mm ply frame + 12 mm ply strip on edges (as per drg), size, curve, shape, supports, in 1 mm laminate finish in color scheme, ½" lipping at ground touch points, 2 no. Ebco keyboards, s.s. wire managers for all, carpentry related arrangement for PA system, necessary hardware etc.	1 no.
(ii)	P/F Conference Table (21 seater 3 part modular assembly) in 18 mm ply frame + 12 mm ply strip on edges (as per drg), size, curve, shape, supports, in 1 mm laminate finish in color scheme, ½" lipping at ground touch points, 2 no. Ebco keyboards, s.s. wire managers for all, carpentry related arrangement for PA system for all, necessary hardware etc.	1 no.
b	General Store / Display / File Units (4' H x 1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate/ Floor Works including Hafele/ Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, and necessary hardware etc.	2 no.
i)	Laminate finish (Combined)	
ii)	Alu. Profile shutters in 3 mm Floor Works finish from inside & outside (3' ht) - 46' 2" x 3' 0" = 138.45 sq ft (Combined)	

VIII	EXTRA ITEMS	
a	CHAIRS	
(i)	High Back top Premium Optima Ergonomic Chair for Commissioners/ Conference Head (base price – price range approx 20000)	11 no.
(ii)	CCIT/CIT Visitor’s chairs - (approx 6000/-)	44 no.
(iii)	Ad./Dy. CIT High Back/ Chairs - (approx 12500/-)	28 no.
(iv)	Visitors / Conference Chairs (approx 5000/-)	156 no.
(v)	AO/ITO/PS/ ASK officers Chairs (approx 9000/-)	56 no.
(vi)	Visitors in AO/ITO/PS /Staff Chairs/Comp Table chairs /ask/ library/ Ladies Room / Reception (approx 4000/-)(with or without wheels)	717 no.
	NOTE - All chairs as per the selection of the Department.	
b	P/F of Roller Blinds 182’ x 8’ x 7 floors = 10192 s ft Marvel /Ferrari/ Techno fab / J Delux	947 Sq. Mtr.
c	Name Plates outside all cabins	200 no.
d	Main Floor name Boards in Lift Lobby Area (white painted glass) 7’ x 4’ x 2no x 7 floors=392 sft s.s. pipe with ends, studs for fixing with screw down caps, 12 mm toughened glass, vinyl pasted lettering.	36.42 Sq. Mtr. 14 no.
e	Base Unit for Lift Lobby Television	7 no
f	P/F ready purchase Personal Locker Units for Ladies Room with lock (Godrej make) 6 door models, olive green color (457 mm D x 380 mm W) 1+2 Multi unit configurations Set.	2 set
g i)	P/F Jaguar (VGS-WHT-81951) wall hung commode, company seat cover, kit, accessories. (Exe. Toilet)	5 Nos
ii)	P/F Jaguar SOLO Half Pedestal Basin with waste coupling, bottle trap & accessories. (SLS-WHT-6801/6305) (Exe. Toilet)	7 Nos
iii)	P/F Jaguar FLS-WHT-5951 wall hung commode, company seat cover, kit, accessories. (Common Toilets)	35 Nos
iv)	P/F Jaguar Sensor Urinal (URS-WHT-13255) with Sensor (SNR-CHR-51097) with all accessories. (Common Toilets)	20 Nos
v)	P/F Jaguar Continental (CNS-WHT-701) counter sunk wash basins with waste coupling, bottle trap & accessories. (Common Toilets)	42 Nos
vi)	P/F Jaguar continental Angle Stop cocks with flange. (059)	49 Nos
vii)	P/F Jaguar 2 in 1 Bib Cock (39041) with health faucet (573)	42 Nos
viii)	P/F Jaguar Pressmatic Taps (PRS-CHR-031L65)	43 Nos
ix)	P/F Jaguar Sensor Tap (SNR-CHR-51011)	6 Nos

<u>B</u>	<u>ELECTRIFICATION & ELECTRICAL FITTINGS</u>	
<u>I</u>	<u>LIGHTING CIRCUIT</u>	-
A.]	POINT WIRING	
1	Supply, Installation, Testing & Commissioning of point wiring for Primary light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 5 Meters)	448 Nos.
2	Supply, Installation, Testing & Commissioning of point wiring for Secondary light points using 2 x 1.5 + 1 x 1.5 sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 5 Meters)	679 Nos.
3	Supply, Installation, Testing & Commissioning of point wiring for Exhaust Fan points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 6 Meters)	30 Nos.
4	Supply, Installation, Testing & Commissioning of point wiring for Emergency Primary light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires in MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed with wall and or through partitions with Ceiling rose.(Average length considered 6 Meters)	180 Nos
5	Supply, Installation, Testing & Commissioning of point wiring for Emergency Secondary light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed in wall and or through partitions with Ceiling rose. (Average length considered 7 Meters)	62 Nos.
6	Supply, Installation, Testing & Commissioning of point wiring for Primary Wall light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed in wall and or through partitions with Ceiling rose.(Average length considered 6 Meters)	110 Nos.

7	Supply, Installation, Testing & Commissioning of point wiring for Secondary Wall light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 4 Meters)	225 Nos.
8	Supply, Installation, Testing & Commissioning of fan points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.; surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete with fan Regulator.	10 Nos
II	POWER POINT	
1	Supply, Installation, Testing & Commissioning of 6A Switch & socket, independent with required concealed metal box, plate & concerned accessories complete for Raw Power outlet- wires to be used 2x4 +1x4 Sqmm FRLS	962 Nos.
2	Supply, Installation, Testing & Commissioning of 20A 3 pin SP moulded socket with switch, independent with required concealed metal box, plate & concerned accessories complete- wires to be used 2x4 +1x4 Sqmm FRLS	15 Nos.
3	Supply, Installation, Testing & Commissioning of 16A Switch & 6/16A 3 pin socket, independent with required concealed metal box, plate & concerned accessories complete for Hand Dryer, oven, xerox machine, pantry etc. -wires to be used 2x4 +1x4 Sqmm FRLS	52 Nos.
4	Supply, Installation, Testing & Commissioning of 6A Switch & 2 nos. of 3 pin socket, independent with required concealed metal box, plate & concerned accessories complete for UPS power outlet- wires to be used 2x4 +1x4 Sqmm FRLS	707 Nos.
III	TELEPHONE & TV	
1	Supply, Installation, Testing & Commissioning of Telephone outlet, fixed on modular switch board in wall, including all accessories to complete the Telephone outlet	402 Nos.
2	Supply, Installation, Testing & Commissioning of TV outlet, fixed on modular switch board in wall, including all accessories to complete the TV outlet	37 Nos.
3	Supply, Installation, Testing & Commissioning of RG-6 wire for TV point with 25 mm PVC conduit	2912 Mtrs.
4	Supply, Installation, Testing & Commissioning of 100 pair jelly filled 0.5 sq mm cable	330 Mtrs.

IV	CABLES & WIRES	
1	Supply, Installation, Testing & Commissioning of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire mains for lighting circuit from Lighting DB to individual switch board with MMS, surface & concealed(on wall)25mm PVC conduit for Raw as well as Emergency	9405 Mtrs.
2	Supply, Installation, Testing & Commissioning of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire for 6A 3 pin socket & switch from power DB to 3 pin, 6A Socket + switch(through raceway)[for Raw Point]	5049 Mtrs.
3	Supply, Installation, Testing & Commissioning 2 x 4 + 1 x 4 sqmm FRLS Cu. Wire for set of 2 nos. of 6A 3 pin socket & single switch from power DB to 6A Socket + switch(for UPS)(through raceway)	5049 Mtrs.
4	Supply, Installation, Testing & Commissioning of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire for 20A 3pin SP moulded socket with switch from power DB to 20A socket; with 25mm MMS PVC conduit; concealed in wall or through partitions.	385 Mtrs.
5	Supply, Installation, Testing & Commissioning of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire for 6/16A 3 pin socket & 16A switch from power DB to 6/16A socket; with 25mm MMS PVC conduit; concealed in wall or through partitions.	847 Mtrs.
6	Supply, Installation, Testing & Commissioning of CAT-6 wire for telephone from Krone Box to each/ individual telephone outlet with required end terminations complete .[for Staff]	12705 Mtrs.
7	Supply, Installation, Testing & Commissioning of CAT-6 wire for telephone from Krone Box to each/ individual telephone outlet with required end terminations complete .[for Cabins]	3388 Mtrs.
8	Supply, Installation, Testing & Commissioning of 4C X 16sqmm, FRLS Copper flexible cable from Panel to UPS & from UPS to UPS Panel	200 Mtrs.
9	Supply, Installation, Testing & Commissioning of 4C X 16sqmm, Aluminium armoured cable from UPS PANEL to UPS DBs & from Panel to Power DBs	1100 Mtrs.
10	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 4C X 16sqmm, copper flexible cable	50 Nos.
11	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 4C X 16sqmm, Al. armoured cable	60 Nos.
12	Supply, Installation, Testing & Commissioning of 4C X 10sqmm, Aluminium armoured cable from Panel to Lighting DB	500 Mtrs.
13	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 4C X 10sqmm,Al. armoured cable	35 Nos.
14	Supply, Installation, Testing & Commissioning of 3C X 4sqmm, Cu. armoured cable from UPS outgoing Panel to Emergency Lighting DB	550 Mtrs.
15	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 3C X 4sqmm, Cu. armoured cable	35 Nos.

16	Supply, Installation, Testing & Commissioning of 1C x 10sqmm Cu. Flexible cable with 25mm PVC conduit for earthing	1400 Mtrs.
17	Supply, Installation, Testing & Commissioning of CAT6 wire for Camera with 25mm MMS PVC conduit	748 Mtrs.
V	RACEWAY, CABLE TRAY, PVC TRUNKING, JUNCTION BOX, KRONE BOX,UPS	
1	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge (150 x 25mm) for Raw Power & UPS Power including all accessories.	1082 Mtrs.
2	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge (200 x 25mm) for Data & Telephone including all accessories.	1006 Mtrs.
3	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge(300 x 25mm) for Data & Telephone including all accessories.	54 Mtrs.
4	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge(100 x 25mm) for Data & Telephone including all accessories.	248 Mtrs.
5	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge(100 x 25mm) for Raw & UPS power including all accessories.	247 Mtrs.
6	Supply, Installation, Testing & Commissioning of 150 x 50mm GI perforated cable tray for laying cable from Panel to Lighting & Power DB	123 Mtrs.
7	Supply, Installation, Testing & Commissioning of 100 x 50mm PVC trunking inside Electrical & Server Room	242 Mtrs.
8	Supply, Installation, Testing & Commissioning of metal Junction Box(300x300x40)mm for Data & Telephone Raceway with required accessories like bracket, riser, coupler etc.	203 Nos.
9	Supply, Installation, Testing & Commissioning of metal Junction Box(150x150x40)mm for Data & Telephone Raceway with required accessories like bracket, riser, coupler etc.	48 Nos.
10	Supply, Installation, Testing & Commissioning of metal Junction Box(200x200x40)mm for Raw Power & UPS Power with required accessories like bracket, riser, coupler etc.	224 Nos.
11	Supply, Installation, Testing & Commissioning of metal Junction Box(150x150x40)mm for Raw Power & UPS Power with required accessories like bracket, riser, coupler etc.	42 Nos.
12	Supply, Installation, Testing & Commissioning of Flyover metal Junction Box(450x450x40)mm, to ensure data & power crossover at 90 degrees; with required accessories like bracket, riser, coupler etc.	126 Nos.
13	Supply, Installation, Testing & Commissioning of 100 Pair Telephone Krone Box.	7 Nos.
14	Supply, Installation, Testing & Commissioning of 15 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up	1 Nos.
15	Supply, Installation, Testing & Commissioning of 20 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up	2 Nos.
16	Supply, Installation, Testing & Commissioning of 30 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up	4 Nos.

17	Supply, Installation, Testing & Commissioning of 30 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up for Server Room	1 Nos.
18	Supply, Installation, Testing & Commissioning of 25mm PVC conduit	2972 Nos.
VI	LIGHT FITTINGS, EXHAUST, CCTV	
1	Supply, Installation, Testing & Commissioning of Recessed Type Downlight Fixture(LED lighting Fixture), 12W fitting, luminous flux- 900lm to 1070lm :frosted glass	642 Nos.
2	Supply, Installation, Testing & Commissioning of tube light fitting (LED lighting Fixture) :frosted glass	26 Nos.
3	Supply, Installation, Testing & Commissioning of Recessed Type Light Fixture- 600 mm x600 mm Grid Light, 36W fitting, luminous flux- 3000lm to 3200lm (LED lighting Fixture) :frosted glass	779 Nos.
4	Supply, Installation, Testing & Commissioning of 300mm dia. Exhaust Fan with louvers	14 Nos.
5	Supply, Installation, Testing & Commissioning of wall lighting fixtures	225 Nos.
6	Supply, Installation, Testing & Commissioning of CCTV Camera;3 Megapixels Fixed Lens Indoor Network Dome Type IR Camera: Full HD, 3D DNR, DWDR , H.264/MJPEG, dual-stream, DWDR, 3D DNR, 1/2.8" Progressive Scan CMOS , 4mm lens@ F2.0, Angle of view: 75.8°, IR cut filter with auto switch, Digital WDR, BLC, Alarm Trigger :- Motion detection, Dynamic analysis, Tampering alarm, Power :- 12 V DC \pm 10% , PoE (802.3af), IP66 Weather Proof, IR Range upto 15 Mtr. as per Data Sheet; which includes:-	
i.)	CCTV Camera	14 Nos.
ii.)	16 Channel NVR	1 Nos.
iii.)	Hard Disk, 4TB	1 Nos.
iv.)	POE switch	1 Nos.
7	Supply, Installation, Testing & Commissioning of Ceiling Fans(1200 mm dia)	10 Nos.
VII	DISTRIBUTION BOARDS	
1	Supply, Installation, testing & commissioning of 4 way TPN DB(Lighting DB) 25A, 30mA, 4P RCCB incomer and 6 to 10A , SP MCB as outgoing as per SLD (Single Line Diagram) .	14 Nos.
2	Supply, Installation, testing & commissioning of 6 way TPN DB(Raw Power DB) 40A, 4P MCB incomer and 10A to 20A , SP MCB as outgoing as per SLD (Single Line Diagram) .	14 Nos.
3	Supply, Installation, testing & commissioning of 6way TPN DB(UPS DB) 40A 4P MCB as incomer and 10A to 20A , SP MCB as outgoing as per SLD (Single Line Diagram).	14 Nos.
4	Supply, Installation, Testing & Commissioning of 8 way SPN DB (Emergency Lighting DB) with 25A,2P RCCB as incomer & 6A SP MCBs as outgoing as per SLD (Single Line Diagram).	14 Nos.

5	Supply, Installation, Testing & Commissioning of MS fabricated, Indoor Panel with 63A, 4P MCB as incomer & 2 nos. of 32A, 4P MCBs as outgoing for UPS DB & 25A, DP MCB, 2 nos. for Emergency Lighting DB.	7 Nos.
6	Supply, Installation, testing & commissioning of 8way TPN DB(UPS DB) 63A 4P MCB as incomer and 10A to 20A , SP MCB as outgoing as per SLD. (for Server)	2 Nos.
7	Supply, Installation, testing & commissioning of 63A, 4 pole MCB with enclosure.	7 Nos.
VIII	FIRE Alarm system	
1	Supply, installation, Testing & commissioning of Addressable manual call point. No Glass included.	15 Nos
2	Supply, nstallation, Testing & commissioning of Analog Addressable multi-sensor detector .	225 Nos.
3	Supply, Installation, Testing & Commissioning of Hooter	15 Nos.
4	Supply, Installation, Testing & Commissioning of loop in loop out, 2 core, 1.5sqmm Cu. Armoured cable for Smoke Detector	3178 Mtrs.
5	Supply, installation, Testing & commissioning of fire Alarm panel; 8 loop.(Specification as per Data sheet)	1 No.
IX	EPABX, KRONE BOX	
1	Supply, Installation, Testing & Commissioning of EPABX System as per Data Sheet[Matrix/ Siemens/ Alcatel makes]	1 Nos.
	1. 08 Analog Trunks	
	2. 04Digital Extensions	
	3. 408 Analog Extensions	
	4. PRI CARDS (SINGLE PORT 2 NOS.)	
	5. Digital Phone: EON 48 S (2 NOS)	
	6. DSS 64 FOR EXT. DISPLAY(2 NOS)	
2	Supply, Installation, Testing & Commissioning of MDF BOX WITH KRONE (300+300PAIR)	1 Nos.
X	Projector System	
1	Supply, Installation, Testing & Commissioning of LCD Projector; 4000 Lumens	2 Nos.
2	Supply, Installation, Testing & Commissioning of Ceiling Mount Kit	2 Nos.
3	Supply, Installation, Testing & Commissioning of HDMI Cable 15 Mtr.	4 Nos.
4	Supply, Installation, Testing & Commissioning of VGA Cable 15 Mtr.	4 Nos.
5	Supply, Installation, Testing & Commissioning of Power Cable 15 Mtr.	2 Nos.
6	Supply, Installation, Testing & Commissioning of MDF BOX WITH KRONE (300+300PAIR)	1 Nos.
7	Supply, Installation, Testing & Commissioning of Projector Screen, 7' x 5'	1 Nos.

XI	Public Address System [For 5th & 7th floors]	
1	For DIRECTOR:- High Sensitivity, table top gooseneck microphone at least 17.6" long, priority switch, current consumption-< 50mA Max., Windshield, 1.5m Interconnecting Cable[Bosch/ Sennheiser/ Ahuja]	5 Nos.
2	For PARTICIPANT:- High Sensitivity, table top gooseneck microphone at least 17.6" long, headphone output, built-in speaker, Windshield, 1.5m Interconnecting Cable, volume control switch, talk switch	50 Nos.
3	Amplifier For Conference System:- 3 Mic input & aux output, ability to connect up to 80 speaker Mics simultaneously, power output 48 Watts or better @ 2% THD, ability to connect to MP3 player, SD Card slot, Rack mountable chassis, junction boxes included	2 Nos.
4	6W Ceiling Mount Speaker:- SITC of 6W Recessed Ceiling speakers with following features:- Complete Metal speaker with metal grill, variable wattage tappings of 6/3/1.5, effective frequency range 18Hz- 18Khz complete with necessary mounting hardware & accessories.	12 Nos.
5	Required Accessories, junction boxes, interconnecting cables, required for commissioning of above system.	2 Nos.
6	Supply, Installation, Testing & Commissioning of speaker wire in 25 mm FR PVC conduit	200 Mtrs.
XII	Access Control Systems	
1	4 Reader Access Control Panel with Built in 5 Amps Supply, on board TCP/IP, remote up gradation of firmware, a very strong NetXS Access Control software. Can connect to all readers which gives wiegand or Clock & Data outputs. 8500 users & 56500 transactions. [Honeywell / Spectra]	2 Nos.
2	Fingerprint Reader with HID Prox reader, 1900 templates (Option available for 9000 templates). Can be connected to any controller thru a wiegand interface. Ideal for smaller door frames, tripods etc.[Honeywell / Spectra]	7 Nos.
3	Exit Switch for OUT Extry [Honeywell / Spectra]	7 Nos.
4	MS Access, SQL and Oracle based access control software; Need to download online[Honeywell / Spectra]	1 Nos.
5	Prox II cards - 1326. Clampshell type thick card. Cannot be printed on directly.[HID]	50 Nos.
6	Electromagnetic lock 600 LBS with LED[BELL / CAPTURE / ESSL]	7 Nos.
XIII	Earthing	
1	Supply, Installation, Testing & Commissioning of Cu earthing station:-as per IS: using 600 x 600 x3 mm thick Cu Plate electrode, with 25 x 3 mm Cu strips from earth electrode to inspection chamber, 25mm dia medium class GI pipe, CI funnel with 20 gauge GI wire mesh etc. Prices should include excavation-3m deep, back filling, CI earthing chamber 450 x 450 mm with concrete base, cast Iron cover, test links, disconnecting link etc.	4 Nos.

MATERIAL SPECIFICATIONS OF FURNITURE ITEMS

- 1) All Plywood shall be Duro Tech (Sarda Plywood Industries), Century Sainik, Sonear Ply or Trojan make.
(All plywood shall be full core, full panel MR grade ply conforming to IS: 303.)
- 2) All 19 mm Partition framing (only) plywood shall be of Gurjan category of Duro, Century or Sonear Ply.
- 3) All laminates (1 mm and 0.9 mm) shall be of Royal Touch, Green lam, Century or Sonear make.
- 4) All Flush Doors (35 mm thick) shall be of Duro, Century, or Sonear make IS: 2202 (Part 1).
- 5) All 6 mm Exterior grade MDF board shall be of Action or Century make.
- 6) Heavy butt railway hinges for all Cabin Flush door (100x28x4) shall be of Chetna, Apple, Forte make and door accessories like Aldrop, 10" handle set, door stopper, 10 mm - 10" tower bolt shall be of approved make.
- 7) All Door Closers/ Floor Springs shall be of Yale or Dorma XLC make (65 kg and above).
- 8) All Telescopic Drawer channels/ Hinges shall be of Hettich / Hafele make.
- 9) All drawer / cupboard locks shall be Europa (dimple key) make.
- 10) All keyboards / CPU stands shall be Ebco make.
- 11) All Cam Bolts shall be of Pine or similar approved make behind all double leaf shutters.
- 12) All Float glass shall be of Modi Guard Float, Saint-Gobain make with toughening where specified.
- 13) All aluminum profile shutters shall be of Onyx or CNR make.
- 14) All wood / lipping patti shall be of full length BTC - 1st quality.
- 15) All s.s. screws shall be of Hettich make.
- 16) All Synthetic Foam Leather shall be of Mayur Uniquoters or Emperio make

MATERIAL SPECIFICATIONS OF ELECTRIFICATION / ELECTRICAL FITTING ITEMS

SR. NO.	DESCRIPTION	APPROVED MAKE		
1	SWITCH SOCKETS	LEGRAND(MYLINC)	SCHNEIDER (Opel)	HAVELLS (CRABTREE)
2	MCB	LEGRAND	SCHNEIDER	L&T
3	MCCB	LEGRAND	SCHNEIDER	L&T
4	RCCB	LEGRAND	SCHNEIDER	L&T
5	MCBDB	LEGRAND	SCHNEIDER	L&T
6	WIRES (FR ONLY)	POLYCAB	KEI	FINOLEX
7	CABLES AL/CU CONDUCTOR (XLPE / PVC)	POLYCAB	KEI	FINOLEX
8	CABLES CU CONDUCTOR UNAROURED)	POLYCAB	KEI	FINOLEX
9	GLANDS (HEAVY DUTY)	HMI	JAINSON	BRACO
10	TELEPHONE CABLES	POLYCAB	KEI	FINOLEX
11	TELEPHONE TAG BLOCKS	ITI	KRONE.	
12	TELEPHONE SOCKETS	LEGRAND(MYLINC)	SCHNEIDER(Opel)	HAVELLS (CRABTREE)
13	PVC CONDUIT & ACCESSORIES	PRECISION	DIAMOND	ASIAN
14	CASING CAPPING	MODI	DIAMOND	ASIAN
15	CEILING ROSE, HOLDERS	ANCHOR	VINAY	HAVELLS
16	CEILING FANS	CROMPTON	ORIENT	HAVELLS
17	EXHAUST FANS	CIRRACO	ALMONARD	CROMPTON
18	WALL / PEDASTAL FANS	CROMPTON	HAVELLS	ALMONARD
19	UPS	APC	CHAMPIAN	SUKAM
20	INVERTER	MICRO-TECK	APC	SUKAM
21	LIGHTING FIXTURES	PHILLIPS	CROMPTON	HAVELLS
22	EMERGENCY LIGHT	PRESTO LIGHT	EQUIV	BPL
23	PROJECTOR	HITACHI	EPSON	SONY
24	EPABX SYSTEM	MATRIX	SEIMENS	ALCATEL
25	FIRE ALARM PANEL (addressable)	HONYWELL	RAVEL	FIRELIGHT
26	SMOKE DETECTOR (addressable)	HONYWELL	RAVEL	FIRELIGHT
27	PUBLIC ADDRESS SYSTEM	BOSCH	SENROHISER	AHUJA

To,

The Pr. Chief Commissioner of Income Tax,
Pune.

Sir,

This is to certify that

- (i) I/We _____ have completed similar work in the past with the state/Central Govt. Departments/ private organizations/MNCs (Work experience with documentary proof attached).
- (ii) I/We _____ have enclosed a list of customers alongwith contact details & telephone numbers whose projects have completed in the past.
- (iii) I/We _____ have average annual turnover is not be less than Rs. 20 crore for the last three financial years. I/We have furnished copies of audit reports, P&L A/c & Balance Sheet as a documentary proof. I/We have also filed Income Tax Returns for last 03 financial years(Documentary proof submitted with Technical bid).
- (iv) I/We _____ have _____years of experience in all relevant fields specified in Scope of Work.
- (v) I/We _____have all the required Registrations & Permissions from State/Central Govt. Department wherever required such as PAN/Service Tax /VAT/TIN. (Photocopies submitted with Technical Bid)
- (vi) I/We _____have not been blacklisted or debarred from participating in the tenders at any point of time by any of the Central or State Government, semi government or local body agencies at any point of time.

(Name and Signature of Authorized Signatory with date)

TECHNICAL BID DOCUMENT

1	Name of the bidder	
2.	Complete address of the concern along with Tel No., Fax No. and e-mail id	
3.	Name & address of the proprietors/partners and/or Directors of the concern with Tel. No.	
5	Details of Contact person(s)	
	Name and address of the person	Telephone No.
a)		
b)		
c)		
6	A brief note on the related business carried by your concern in the last 3 years (not to exceed 100 words).	
7	Annual Turnover during last three financial year i.e F.Y. 12-13,13-14& 14-15 (copy of Return of Income filed along with P & L A/c., Balance Sheet & Audit Report etc. should be enclosed as evidence). Annual accounts should be submitted with all annexure giving details of all items till the level of parties.	
8	List of all Clients (along with documentary evidence of address, phone nos. PAN, TAN of client for which work above 20 crs has been done in last 3 years) with nature and value of job done.	
9	Permanent Account Number (PAN)	
10	Sales Tax / VAT Registration Number	
11	Details of Demand Draft in respect of Earnest Money payable at Pune (Demand Draft should be enclosed)	
12	Details of Demand Draft in respect of Tender Fee payable at Pune or receipt of cash payment (Demand Draft/ receipt from O/o Pr.CCIT, Pune should be enclosed)	

DECLARATION

I/We hereby certify that the information furnished above is full and correct to the best of my/our knowledge and belief. I/We understand that in case any deviation is found in the above statement at any stage, the company will be blacklisted and will not have any dealing with the Department in future.

(Name and Signature of Authorized Signatory with date)

FINANCIAL BID

A	<u>FURNITURE AND FIXTURES</u>	Qty.	Rate	Amt.
a) (i)	P/F of 87 mm (3 3/8") thick Half Height Wooden Partition (TYPE A+C) 122 cm or (7'H) in staff areas of varying lengths/ shapes/ bends/ curves(as per drg.) in staff areas constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides/ door jambs in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ wall/ other partition or furniture unit, floor etc with necessary slots for passage of electrical conduits/ cables and covered with 12 mm thick Commercial Plywood MR grade (IS 303), from both sides then with 6 mm Ex. Grade MDF panels from ONE side only with 8 mm grooves (matching color melamine polish finish) & finished with 1 mm thick Laminate from both sides etc. and 12 mm toughened clear glass with acid wash / film in part areas (as per drg.) fitted in place by 1/2" BTC lipping in melamine polish from inner side, complete. All floors Total -9743 sq ft.	905 Sq. Mtr		
(ii)	P/F of 87 mm (3 3/8") thick Full Ht. Wooden Partition (TYPE A+C) Floor up to 213 cm or (4' H) Description Same as a (i) All floors Total - 862 sq ft	80 Sq. Mtr		
b (i)	P/F of 81 mm (3 1/8") thick Full Ht. Wooden Partition (TYPE C+C) From Floor up to 213 cm or (7' ht.) of varying lengths/ shapes/ bends/ curves (as per drg.) in hall / staff areas constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides/ door jambs in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ floor/ wall/ other partition or furniture unit, etc. with necessary slots for passage of electrical conduits/ cables and covered with 8mm thick Commercial Plywood MR grade (IS 303) finished with 1 mm thick Laminate (NO MDF) with 12 mm toughened clear glass with acid wash / film in part areas (as per drg.) fitted in place by 1/2" BTC lipping in melamine polish from inner side, including fixing & sealing of wooden partition to existing aluminum box pipes on glazing side by sealants, screws, hardware to make it sound proof etc. complete. All floors Total - 9081 sq ft	844 Sq. Mtr.		

(ii)	P/F of 81 mm (3 1/8") thick part Height Wooden Partition (TYPE C+C) 83 cm or (4'H) (from floor up to 6' ht.)...description same as I a) All floors Total - 2210 sq ft	205 Sq. Mtr.		
c (i)	P/F of 93 mm (3 5/8") thick Full Ht. Wooden Partition (TYPE A+A) From Floor up to 213 cm or (7' ht.) of varying lengths/ shapes/ bends/ curves (as per drg.) in hall / staff areas constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides/ door jambs in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ floor/ wall/ other partition or furniture unit, etc. with necessary slots for passage of electrical conduits/ cables and covered with 8mm thick Commercial Plywood MR grade (IS 303) from both sides, then with 6 mm Ex. Grade MDF panels from BOTH sides, (matching color melamine polish finish) with 8 mm grooves & finished with 1 mm thick Laminate and 12 mm toughened clear glass with acid wash / film in part areas (as per drg.) fitted in place by 1/2" BTC lipping in melamine polish from inner side, including fixing & sealing of wooden partition to existing aluminum box pipes on glazing side by sealants, screws, hardware to make it sound proof etc. complete. (1079 sq ft)	100.24 Sq. Mtr.		
(ii)	P/F of 93 mm (3 5/8") thick part Height Wooden Partition (TYPE A+A) 83 cm or (4'H) (from floor up to 6' ht.)...description same as b) i) in waiting area. Total Area 50 sq ft	4.64 Sq. Mtr.		
d (i)	P/F of 81 mm (3 3/8") thick height Wooden Partition (TYPE B+B) (from 7' ht. up to False Ceiling - 61 cm or (2'0" H) of varying lengths/ shapes/ bends/ curves(as per drg.) constructed out of 2 no x 19 mm Gurjan plywood framework grid at inner supports and 3 no x 19 mm Gurjan plywood framework at all exterior sides in 2' or lesser spacing screwed firmly to the RCC slab/ beam/ wall/ floor/ other partition or furniture unit, etc. with necessary slots for passage of electrical conduits/ cables and covered with 8mm thick Commercial Plywood MR grade (IS 303), then with 6 mm Ex. Grade MDF panels with 8 mm grooves from both sides, 4" x 2" ply box in 1 mm laminate finish (see Partition section drawing) & 6 mm MDF finished with 3 coats of luster paint from both sides etc.complete. Total Area 8744 sq ft	812.33 Sq. Mtr.		

e (i)	P/F Paneling to walls / columns in 12 mm ply as base level screwed to wall with 6 mm Ex. Grade MDF panels with 8 mm grooves (matching color melamine polish finish) & MDF finished with 1 mm thick Laminate. Total Area 4747 sq ft	441 Sq. Mtr		
(ii)	P/F Paneling from rear side of 9' file units on existing 12 mm ply....desc. same as d (i)	20 Sq. Mtr.		
f (i)	P/F of 35 mm thick Flush doors (213 cm x 84 cm) 7'Ht. x 2'9"W (or as per drg) confirming to IS 2202 for cabins with 1½" x ½" full length BTC lipping on all edges, 1 mm laminate finish on both sides, 4 no - (100X28X4 mm) heavy gauge railway butt brass hinges, 10" aldrop, 10" handle set (screw fixing type/ as approved), door stopper, magnetic door stay and Dorma/Yale door closer, glass panel (as per drg.), hardware, hung in true plumb and smooth working operation, melamine polish to lipping etc. complete. a) 84 cm (2'9") width - 130 no b) 91.5 cm (3'0") width - 3 no	Width 84 cm - 130 no Width 91.5 cm - 3 no		
(ii)	P/F of 35 mm thick Flush doors - overall door size - 213 cm x 175 cm or (7' ht. x 5'9" W) door shutter width - 107 cm or 42" (see drg) confirming to IS 2202 for halls/ cabins with 1½" x ½" BTC lipping on all edges, 1 mm laminate finish on both sides, 6 mm glass panels as per design, heavy duty Hettich/Dorma/Yale Floor Spring, 10" aldrop, door stay, 18" handle set (screw fixing type/ as approved), door stopper, magnetic door stay, hardware, hung in true plumb and smooth working operation with fixed glass + ply/ laminate panels, melamine polish to lipping etc. complete.	5 no.		
g	P/F of Workstations 122 x 61 x 79 cm (4' W x 2' D x 2'7" H) or size as per drg. constructed in commercial plywood having 18mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, 18 mm ply box Drawer Pedestal Unit with Europa drawer locks, Hafele / Hettich telescopic Channels / hinges, 4" ht. sturdy brass handle, Rehau edge banding, ½" lipping to all members touching the floor and 12 mm thick, as per shape glass divider 53 x 38 cm (1'9"x1'3") fixed with 4 no. heavy 'D' brackets, machine polished edges etc. complete. i) 122 cm or 4' L - 378 no ii) 114 cm or 3'9" L - 3+3+3+2+3 = 14 no iii) 145 cm or 4'9" L - 1no iv) 221 cm or 7'3" L - 1 no	1.22 m - 378 no 1.14 m - 14 no 1.45 m - 1no 2.21 m - 1 no		

h	<p>P/F of File Units 46 x 124 cm (1'6" D x 4'3/4" H) in staff areas of varying lengths (as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shelves / boxing finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate, 25 mm thick pine B/B shutters including Europa drawer locks, 4" ht. sturdy brass handles, auto-locking cam bolt / tower bolt, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, necessary hardware etc. complete. All floors Total - 192.86 r m 633'2"r ft x4' = 2533 sq ft</p>	235.28 Sq. Mtr.		
i	<p>P/F of File Units 46 x 122 cm (1'6" D x 4' H) in cabins of varying lengths (as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shutters, shelves finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa cupboard locks, 4" ht. sturdy brass handles, auto-locking cam bolt / tower bolt, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, necessary hardware etc. complete. All floors Total - 45'6" r ft x4' ht =182 sq ft 13.85 r m x 1.22 m = 16.89 sq m</p>	16.89 Sq. Mtr.		
j	<p>P/F of File Units 46 x 213 cm (1'6"D x 7'H) of varying lengths (as per drg.) open able (part) from either sides or totally from 1 side constructed in 25 mm thick pine B/B shutters, 18 mm commercial plywood MR grade (IS 303) carcass, 18 mm shelves inside carcass & 12 mm glass shelves from outside carcass finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa drawer locks, sturdy brass handles (4" brass handles for shutters below 3'6" & 8" for shutters above 3'6" ht.), auto-locking cam bolt / tower bolt, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, necessary hardware, etc. complete. All floors Total - 266'7" r ft x7' ht. = 1862sq ft</p>	173 Sq. Mtr.		

k	<p>P/F of Full Ht. File Units 46 x 274 cm (1'6"D x 9'H) False Ceiling ht. - of varying lengths /shapes (as per drg.) open able from 1 side or (part) from either sides, 7' ht shutters only constructed in 25 mm thick pine B/B shutters, 18 mm commercial plywood MR grade (IS 303) carcass, shelves, 4" x 2" ply boxing at 7' ht., finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate (SF up to 7' ht and 1 mm HG to above 7' shutters including Europa cupboard locks, Hafele / Hettich hinges, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, (4" brass handles for shutters below 3'6" & 8" for shutters above 3'6" ht.), auto-locking cam bolt/ tower bolt, necessary hardware, etc. complete.</p> <p>All floors Total - 183.59 r m x 2.74 m =503.03q m</p>	503.03 Sq. mtr.		
l	<p>P/F Xerox machine units + Lofts (as per drawings) up to 9' ht. constructed in 18 mm commercial plywood MR grade (IS 303) carcass, shutters with 1 mm exterior laminate externally and 1 1/4" edges, internal boxing/shelves finished in 0.9 mm thick laminate including Hafele/ Hettich telescopic Channels / hinges, Europa drawer locks, 4" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor and necessary hardware etc. complete.</p>	<p>All floors</p> <p>A TYPE - 32.83 sq m</p> <p>B TYPE - 43.03 sq m</p> <p>(See drawings)</p>		
m	<p>P/F Pergola (as per drawings) constructed in 18 mm commercial plywood MR grade (IS 303) boxing of 6" x 2" size, finished in Floor Works strip finish and necessary hardware for fixing to wall/ beam/ file unit/ partitions etc. complete.</p>	<p>3/4/6/7/8 th Floor - A type - 5 no</p> <p>2/5th Floor B type - 2 no</p>		
n	<p>P/F of Reception Counter in Lift Lobby (shape as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, drawer pedestal unit, 9" ledge @ 3'9" level in Floor Works finish, saloon door, 3" small partition, side table with drawers and shutters below, shelves, finished all sides with 1 mm thick Laminate including Europa locks, Hafele/Hettich hinges, magnetic ball catch, Rehau edge banding, 12 mm glass top with EP to counter top only, 1/2" lipping to all members touching the floor, 4" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, magnetic ball catch, necessary hardware, etc. complete.</p>	<p>7 no</p> <p>3.43 x 7 no = 24 R. m.</p>		

o	<p>P/F of 7' ht. File Unit behind Reception Desk in Lift Lobby (shape as per drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shutters shelves, finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate, 25 mm thick pine B/B shutters including Europa locks, Rehau edge banding, 1/2" lipping to all members touching the floor, 4" +8" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, magnetic ball catch, necessary hardware, etc. complete. (8' L x 7' ht) =56 sq ft x 7= 392 sq ft. 2.43 x 2.13 x 7 floors = 36.19 sq m</p>	36.19 Sq. Mtr.		
p	<p>3' deep Cupboard + Loft in Conference Room on 5th Floor constructed in 18 mm commercial plywood MR grade (IS 303) boxing, 25 mm thick pine B/B shutters, shelves, finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa locks, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, 4" + 8" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, necessary hardware, etc. complete. 3' x 7'=21 sq ft. 3'x 2'0" =6 sq ft.</p>	<p>Cupboard 1.94 sq m</p> <p>Loft 0.55 sq m</p>		
q	<p>Cupboard in R. Room (2' D x 7' H) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, shelves, 25 mm thick Pine B/B shutters, finished all sides internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa cupboard lock, hanger rod, drawers with Europa cupboard / drawer locks, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, 8" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, necessary hardware polish 6'6"+5'6"=12'x7'=84 sq ft.</p>	7.77 Sq. Mtr.		
r	<p>P/F Single cots (as per design) (size as in drawing) in 18 mm commercial plywood MR grade (IS 303) boxing, finished externally with 1 mm thick Laminate including wooden supports below to arrest sagging, 1/2" lipping to all members touching the floor, necessary hardware etc complete. (without mattress)</p>	8 Nos.		
s	<p>Cot Side Tables - P/F Side Tables to Single Cots of varying lengths (see drawing) 18" Ht. x 18" deep with 1drawer with Europa drawer lock, 1/2" lipping to all members touching the floor, Hafele/Hettich telescopic Channels, 4" ht. sturdy brass handles, necessary hardware, etc. complete.</p>	8 Nos.		

t	Entrance Door – Renovating Existing Entrance Doors to all floors including pasting 6 mm ply on existing door from both sides, pasting new 1 mm laminate from both sides, new railway butt hinges, handles, aldrops, locking arrangement, door closer, door stopper & stay, BTC lipping, glass, door closer, door stay hook, melamine polish, labor etc. complete.	7 Nos.		
u (i)	Airport Lounger Sofa in Stainless Steel frame, power coated m.s. seat (as approved) in ASK centre, hall waiting areas	3 Seater – 15 no 2 Seater – 6 no		
(ii)	Wooden Armchair sofas with cushion seats (single seater)	6 no.		
v	P/F Cushioned Sofa in Pine/Deodhar wood framing, 4”+1” (40 density) Sleepwell Feather Foam seat with 3”+1” (32 density) for back, Recron filling to seat and back, Zigzag/ jalebi spring, with Synthetic Foam Leather finish cover material (as approved) of Mayur Uniquoters ltd. or Emporio make, 3” wooden legs (as per deco. Shape) with melamine polish etc.			
(i)	Adnl. / Dy CIT Cabin (6’1”) 3 Seater – 13 no (4’4”) 2 Seater – 15 no (2’7”) 1 Seater – 38 no	(6’1”) 3 Seater – 13 no (4’4”) 2 Seater – 15 no (2’7”) 1 Seater – 38 no		
(ii)	CIT / DIT Cabin & CCIT/DGIT visiting cabin (6’6”) 3 Seater – 9 no (4’6”) 2 Seater – 5 no (2’9”) 1 Seater – 15 no (11’8”) Ante room (‘L’) - 6 no	3 Seater – 9 no 2 Seater – 5 no 1 Seater – 15 no Ante room - 6 no		
w	P/F Cushioned Sofa in Lift Lobby Pine / Deodhar wood framing, 4”+1” (40 density) Sleepwell Feather Foam seat with 3”+1” (32 density) for back, Recron filling to seat and back, Zigzag/ jalebi spring, with Synthetic Foam Leather finish cover material (as approved) of Mayur Uniquoters ltd. or Emporio make, 3” wooden legs (as per deco. Shape) with melamine polish etc. 3 Seater – 35 no 2 Seater – 14 no	3 Seater – 35 no 2 Seater – 14 no		
x (i)	P/F Centre Tables -Adnl. / Dy CIT Cabin/ Lift Lobby (2’x3’) All laminate, 12 mm glass top	29 no		

x (ii)	P/F Centre Tables - CIT / DIT Cabin / All Ante Rooms (2'x3') Laminate+ Floor Works, 12 mm glass top	15 no		
x (iii)	P/F Centre Tables- CCIT / DGIT visiting Cabin (23''x3'6'') Laminate+ Floor Works, 19 mm bend glass top	2 no		
y	P/F Corner Tables -Adnl. / Dy CIT Cabin/ Lift Lobby (2'x2') CIT / DIT Cabin (2'x2') CCIT / DGIT visiting Cabin (2'x2') (specifications same as Centre Tables)	62 no 9 no 4 no		
II	CABINS (Type - C) (PS /AO/ ITO)			
a (i)	P/F Working Tables (6' TO 7') for Officers (see drawing) in 18 mm ply frame + 12 mm strips (as per drg), as per size, shape in 1 mm laminate finish in color scheme on all visible sides, 12 mm glass top with all sides EP with 3'' dia. semi circle cut out, 1/2'' lipping at ground touch points, Hafele / Hettich telescopic Channels / hinges, 4'' ht. brass handles, Ebco readymade key board with mouse pad, Europa (common key) drawer locks to all drawers, Rehau edge banding, necessary hardware etc. complete. 7'x3' - 49 no 6'6''x3' - 10no 6'x3' - 6 no	49 no 10 no 6 no		
(ii)	P/F of movable Drawer Pedestals Units under workstations (Godrej or approved make) with 2+1 configuration, five wheels, lockable, to be screwed to the workstation, etc. complete.	65 Nos.		
b	P/F Side Table Units (1'6''D x 2'4'' Ht.) attached to Working Tables (as per drawing) in varying shape / 3' - 4' length, constructed in 18 mm commercial plywood boxing/ shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, (common/master key) Europa drawer locks, 4'' ht. brass handles, Rehau edge banding, 5''H x 2 1/2''D front side, mirror screw open-able box strip (as per drg.) for electrical connections in some units and necessary hardware etc. 3' x 34 no=102 rft + 3'6'' x 5 no =17'6'' rft + 4' x 26 no=104 rft = 223'6''x2'4''= 521 sq ft	48.40 Sq. Mtr.		

c	P/F Rear Table Units (1'6"D x 2'4" Ht.) attached to Side Tables (as per drawing) in varying shape, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich hinges, 4" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc. complete. 165'9" x 2'4" = 386 sq ft	35.86 Sq. Mtr.		
d (i)	Computer Tables with open shelf above P/F of Computer Tables (4'- 4'6" W x 2' D x 2'7" H) or size as per drg. (see drawing) with Drawer Pedestals, floor standing file unit constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, 1/2" lipping to all members touching the floor, hardware etc. complete. 4' - 41 no 4'5" - 10 no All floors Total - 51 no	1.2 m - 41 no 1.35 m -10 no		
(ii)	Overhead File Unit above Computer Tables (4' - 4'6"L)...(See drawing)...description same as 18" File Units 4'x 2'3"x 16 =144 sq ft 4'5"x 2'3" x10 =101sq ft Total - 245 sq ft	22.76 Sq. Mtr.		
e	P/F 2'6" ht. Glass Glazing side File Units (1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing /shelves /shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, common key Europa drawer locks, 4" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc. complete. Total - 62'1"x 2'6" = 155 sq ft	14.4 Sq. Mtr.		

II	CABINS (Type - B) (DY.CIT/ AD.CIT)			
a (i)	<p>P/F Exe. Tables for Officers in 18 mm ply frame + 12 mm strips (as per drg), size, shape in 1 mm laminate finish in color scheme, with 12 mm glass top, all sides EP with 3" dia. semi circle cut out for wall touch tables, with drawer pedestal (2+1) unit, 12 mm glass with all sides EP, 1/2" lipping at ground touch points, Hafele / Hettich hinges, 8" ht. brass handles, readymade key board with mouse pad, Europa common key drawer locks to all drawers, Rehau edge banding, necessary hardware etc.</p> <p>8'6"x3'6" - 16 no 8'x3'6" - 2 no 8'X3'0" - 8 no 7'3"X3'0" - 5 no</p>	2.59 x 1.07m- 16 no 2.44 x 1.07m - 2 no 2.44 x 0.91 m - 8 no 2.21 x 0.91 m - 5 no		
(ii)	P/F of readymade movable Drawer Pedestals Units under workstations (Godrej or approved make) (646 x 390 x 440 mm) with 2+1 configuration, five wheels, lockable, to be screwed to the workstation, etc. complete.	31 no		
b	P/F Side Table Units (1'9"D) attached to Working Tables (as per drawing) in varying shape 3'6" / 4' length, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels, magnetic ball catch, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, 5"H x 2.5"D front side mirror screw open able box strip (as per drg.) for electrical connections in some units and necessary hardware etc. 115'6"x 2'4" ht =269 sq ft.	25 Sq. Mtr.		
c	P/F Rear Table Units (1'6"D) attached to Side Tables (as per drawing) in varying shape, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc.			
	i) With Ply shutters (2'4" ht) 119'1" x 2'4" = 277sq ft.	25.73 Sq. Mtr.		
	ii) With Alu. Profile shutters in 1 mm Laminate finish (3' ht) - 50'8"x3'0" ht=152 sq ft	14.12 Sq. Mtr.		

d	P/F 2'6" ht. Glass Glazing side File Units (1'6"D), (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing / shelves / shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc. -102'1"x2'6" ht = 255 sq ft.	23.69 Sq. Mtr.		
e	P/F of Computer Tables with Drawer Pedestals (4'-4'6" W x 2' D x 2'7" H) or size as per drg. constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, Europa drawer locks, Hafele / Hettich telescopic Channels / hinges, 8" ht. sturdy brass handles, magnetic ball catch, Rehau edge banding, 1/2" lipping to all members touching the floor, hardware etc. complete.	29 no.		
III	CABINS (Type - A) (CIT/ DIT/ CIT(A) & CCIT/ DGIT visiting)			
a	P/F Exe. Tables for Commissioners in 18 mm ply frame + 12/18 mm ply strips (as per drg), size, shape in 1 mm laminate finish / part in 3 mm 'Floor Works' PVC floor strips (6" X 36") in approved color scheme pasted with Fevicol SR, 19 mm glass tops with all sides beveled/ pencil molding with acid wash engraved Logo/ design, with ply boxing Drawer Pedestal (2+1) Unit, 1/2" lipping at ground touch points, Hafele / Hettich soft close telescopic Channels, 8" ht. brass handles, readymade key board with mouse pad, Europa common dimple key drawer locks to all drawers, Rehau edge banding, 1.5" / 2" s.s. studs, necessary hardware etc. 9'x3'6" - 9 no and 10'x 4' - 2 no	2.74 x 1.07m - 9 no. 3.05 x 1.22m - 2 no		
b	P/F Side Table Units (1'9"D) attached to Executive Tables (as per drawing) in varying shape 4'6" / 4' length, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/ Hettich soft close telescopic Channels & hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, 5"H x 2.5"D front side mirror screw open-able box strip (as per drg.) for electrical connections in some units and necessary hardware etc. 47'x 2'4" ht =110 sq ft.	10.22 Sq. Mtr.		

c	P/F Rear Table Units (1'6"D) attached to Side Tables (as per drawing) in varying shape, lengths, heights, depths constructed in 18 mm commercial plywood boxing/shelves/shutters, part box with clear glass Aluminum Profile shutters finished in 3 mm Floor Works strips from inside and outside, all ply shutters with 0.9 mm thick laminate internally & externally with 1 mm thick Laminate including Hafele /Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, magnetic ball catch, Rehau edge banding, and necessary hardware etc.			
	i) Laminate finish (2'4" ht) - 65'10" x 2'4" = 153.40 sq ft	14.25 Sq. Mtr.		
	ii) Alu. Profile shutters in 3 mm Floor Works finish from inside & outside (3' ht) - 46' 2" x 3' 0" = 138.45 sq ft	12.86 Sq. Mtr.		
d	P/F 2'6" ht. File Units - Glass Glazing side (1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing / shelves / shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Hafele/Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, and necessary hardware etc. 2nd - nil +3rd - 24'2" + 4th - 24'2" + 5th-24'2" + 6th-24'2" + 7th-31'5" + 8th - 24'2" All floors Total - 152'3" x 2'6" ht = 381 sq ft.	35.36 Sq. Mtr.		
e	P/F open Niche (1'3" deep) above Rear Table units in 18 mm ply with 3 mm Floor Works PVC strips finish to 1 1'4" strips and 1 mm laminate to other niche sides etc. complete. 10'11" x 1'8" x 1 no + 6'6" x 2'9" x 1 no = Total 36 sq ft (Total on all floors)	3.35 Sq. Mtr.		
f	P/F of Computer Tables with Drawer Pedestals (4'-4'6" W x 2' D x 2'7" H) or size as per drg. constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray, Europa drawer locks, Hafele / Hettich soft close telescopic Channels / hinges, 8" ht. sturdy brass handles, Rehau edge banding, 1/2" lipping to all members touching the floor, hardware etc. complete.	6 no.		

g	General Store / Display / File Units (4' H x 1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate / 3 mm Floor Works strips, part in Alu. Profile shutters with 12 mm glass shelves, including Hafele/Hettich soft close telescopic Channels / hinges, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, and necessary hardware etc. 6' x 4' = 3 no = 72 sq ft. (Total of all floors)	6.69 Sq. Mtr.		
V	ASK CENTRE			
a(i)	P/F of Main Counter Table / Enquiry Counter (4'W x 2' D x 2'7" / 3'9"H) or as per size in Ask Centre (see detailed drg.) constructed in 18 mm commercial plywood MR grade (IS 303) carcass, drawer pedestal unit, 9" ledge @ 3'9" ht finished in granite (Tel. Black/Cats Eye brown) with pencil molding, all items below working top lvl to be finished internally with 0.9 mm thick laminate & all other areas with 1 mm thick Laminate including Europa locks, Hafele/Hettich hinges/ tel. channels, Rehau edge banding, 1" x 1/2" BTC lipping to all members touching the floor, 4" ht. sturdy brass handles, magnetic ball catch, necessary hardware, etc complete.	6 no.		
(ii)	Extra Items Set Saloon door 2'6" x 3'6" - 1 no 1 1/2" small 'L' partition - 6' x 4' 3" partition 4' / 9' - 51 sq ft	1 Set		
b	Books Display Unit (7'4"L x 7'2" Ht. x 1'4"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing/12 mm glass shelves / Alu. Profile shutters with built in handles, carcass finished internally & externally with 1 mm thick laminate including Hafele/Hettich telescopic soft close hinges, common key Europa drawer locks, Rehau edge banding, and necessary hardware etc. 7'4" x 7'2" = 53 sq.ft.	1 no. 4.87 Sq. Mtr.		
c	P/F of Officer's Tables (4' x 2' D) or size as per drg. (without Drawer Pedestal) with 4" x 1 1/2" thick vertical, Drawer Pedestal constructed in commercial plywood having 18 mm thick top & verticals in MR grade (IS 303) ply finished with finished in granite (Tel. Black/Cats Eye brown) other external sides in 1 mm thick Laminate including s.s. wire manager, Ebco or approved m.s. powder coated keyboard tray with mouse tray etc. complete.	2 no.		

d	P/F Round Tables (3'6" dia) for Form Filling in Ply base / verticals with 12 mm glass top in circular shape with pencil molding fitted with studs with clear araldite / glass silicon fitting etc. complete.	2 no.		
VI	LIBRARY			
a	Books Display Unit (6'2"L x 7'2" Ht. x 1'4"D) (as per drawing) in varying lengths, constructed in 18 mm plywood carcass, 12 mm glass shelves, approved Alu. Profile shutters with clear glass, carcass finished internally & externally with 1 mm thick laminate including Hafele/Hettich soft close hinges, Rehau edge banding, and necessary hardware etc. complete. 44 sq ft x 3 no= 132 sq ft	12.26 Sq. Mtr.		
b	P/F Study Table (4'9" L x 1'6" / 2' D x 2'7" H) and shape as per drg. constructed in commercial plywood having edge thickness as 1 1/4", 18mm +12 mm thick top & verticals, in MR grade (IS 303) ply finished with 1 mm thick Laminate from all sides including s.s. wire manager, 1/2" lipping to all members touching the floor, hardware etc. complete.	1 no.		
c	P/F of Reception Counter (4'W x 2' D x 2'7" H) or as per size in Ask Centre (see ASK centre counter detailed drg.) constructed in 18 mm commercial plywood MR grade (IS 303) boxing, drawer pedestal unit, 9" ledge @ 3'9", all items finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate including Europa locks, Hafele/Hettich hinges/ tel. channels, Rehau edge banding, 1/2" lipping to all members touching the floor, 6" ht. sturdy brass handles, auto-locking cam bolt/ tower bolt, necessary hardware, etc complete.	1 no.		
d	P/F 2'6" ht. File Units (Glass Glazing side) (1'6"D) (as per drawing) in varying shapes, lengths. 7'5" x 2'6" x 2 no + 5'4" x 2'6" = 51 sq ft	4.74 Sq. Mtr.		
e	P/F Round (3'6" dia) Tables for Form Filling in Ply base / verticals with 12 mm glass top in circular shape with pencil molding fitted with studs with clear araldite / glass silicon fitting etc. complete. (see drawing)	5 no.		
VII	CONFERENCE ROOMS			
a (i)	P/F Conference Table (29 seater 5 part modular assembly) in 18 mm ply frame + 12 mm ply strip on edges (as per drg), size, curve, shape, supports, in 1 mm laminate finish in color scheme, 1/2" lipping at ground touch points, 2 no. Ebco keyboards, s.s. wire managers for all, carpentry related arrangement for PA system, necessary hardware etc.	1 no.		

(ii)	P/F Conference Table (21 seater 3 part modular assembly) in 18 mm ply frame + 12 mm ply strip on edges (as per drg), size, curve, shape, supports, in 1 mm laminate finish in color scheme, ½" lipping at ground touch points, 2 no. Ebco keyboards, s.s. wire managers for all, carpentry related arrangement for PA system for all, necessary hardware etc.	1 no.		
b	General Store / Display / File Units (4' H x 1'6"D) (as per drawing) in varying shapes, lengths, constructed in 18 mm commercial plywood boxing/shelves/shutters finished internally with 0.9 mm thick laminate & externally with 1 mm thick Laminate/ Floor Works including Hafele/ Hettich telescopic Channels/ hinges, common key Europa drawer locks, 8" ht. brass handles, Rehau edge banding, and necessary hardware etc.	2 no.		
i)	Laminate finish (Combined)			
ii)	Alu. Profile shutters in 3 mm Floor Works finish from inside & outside (3' ht) - 46' 2" x 3' 0" = 138.45 sq ft (Combined)			
VIII	EXTRA ITEMS			
a	Chairs			
(i)	High Back top Premium Optima Ergonomic Chair for Commissioners/ Conference Head (base price - price range approx 20000)	11 no.		
(ii)	CCIT/CIT Visitor's chairs - (approx 6000/-)	44 no.		
(iii)	Ad./Dy. CIT High Back/ Chairs - (approx 12500/-)	28 no.		
(iv)	Visitors / Conference Chairs (approx 5000/-)	156 no.		
(v)	AO/ITO/PS/ ASK officers Chairs (approx 9000/-)	56 no.		
(vi)	Visitors in AO/ITO/PS /Staff Chairs/Comp Table chairs /ask/ library/ Ladies Room / Reception (approx 4000/-)	717 no.		
	NOTE - All chairs as per the selection of the Department.			
b	P/F of Roller Blinds 182' x 8' x 7 floors = 10192 s ft Marvel /Ferrari/ Techno fab / J Delux	947 Sq. Mtr.		
c	Name Plates outside all cabins	200 no.		
d	Main Floor name Boards in Lift Lobby Area (white painted glass) 7' x 4' x 2no x 7 floors=392 sft s.s. pipe with ends, studs for fixing with screw down caps, 12 mm toughened glass, vinyl pasted lettering.	36.42 Sq. Mtr. 14 no.		
e	Base Unit for Lift Lobby Television	7 no		
f	P/F ready purchase Personal Locker Units for Ladies Room with lock (Godrej make) 6 door models, olive green color (457 mm D x 380 mm W) 1+2 Multi unit configurations Set.	2 set		

g i)	P/F Jaguar (VGS-WHT-81951) wall hung commode, company seat cover, kit, accessories. (Exe. Toilet)	5 Nos		
ii)	P/F Jaguar SOLO Half Pedestal Basin with waste coupling, bottle trap & accessories. (SLS-WHT-6801/6305) (Exe. Toilet)	7 Nos		
iii)	P/F Jaguar FLS-WHT-5951 wall hung commode, company seat cover, kit, accessories. (Common Toilets)	35 Nos		
iv)	P/F Jaguar Sensor Urinal (URS-WHT-13255) with Sensor (SNR-CHR-51097) with all accessories. (Common Toilets)	20 Nos		
v)	P/F Jaguar Continental (CNS-WHT-701) counter sunk wash basins with waste coupling, bottle trap & accessories. (Common Toilets)	42 Nos		
vi)	P/F Jaguar continental Angle Stop cocks with flange. (059)	49 Nos		
vii)	P/F Jaguar 2 in 1 Bib Cock (39041) with health faucet (573)	42 Nos		
viii)	P/F Jaguar Pressmatic Taps (PRS-CHR-031L65)	43 Nos		
ix)	P/F Jaguar Sensor Tap (SNR-CHR-51011)	6 Nos		
B	<u>ELECTRIFICATION & ELECTRICAL FITTINGS</u>			
I	<u>LIGHTING CIRCUIT</u>	-		
A.]	POINT WIRING			
1	Supply, Installation, Testing & Commissioning of point wiring for Primary light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 5 Meters)	448 Nos.		

2	Supply, Installation, Testing & Commissioning of point wiring for Secondary light points using 2 x 1.5 + 1 x 1.5 sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 5 Meters)	679 Nos.		
3	Supply, Installation, Testing & Commissioning of point wiring for Exhaust Fan points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 6 Meters)	30 Nos.		
4	Supply, Installation, Testing & Commissioning of point wiring for Emergency Primary light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires in MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed with wall and or through partitions with Ceiling rose.(Average length considered 6 Meters)	180 Nos		
5	Supply, Installation, Testing & Commissioning of point wiring for Emergency Secondary light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed in wall and or through partitions with Ceiling rose. (Average length considered 7 Meters)	62 Nos.		
6	Supply, Installation, Testing & Commissioning of point wiring for Primary Wall light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed in wall and or through partitions with Ceiling rose.(Average length considered 6 Meters)	110 Nos.		
7	Supply, Installation, Testing & Commissioning of point wiring for Secondary Wall light points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete.(Average length considered 4 Meters)	225 Nos.		

8	Supply, Installation, Testing & Commissioning of fan points using 2 x 1.5 + 1 x 1.5 Sq.mm copper conductor, FRLS PVC insulated wires with MMS PVC conduits of 25mm dia.;surface mounted on ceiling, concealed in wall and or through partitions with necessary boxes, Ceiling rose, 6A modular type switch, mounting plate and concealed Metal Box and proper clamping complete with fan Regulator.	10 Nos		
II	POWER POINT			
1	Supply, Installation, Testing & Commissioning of 6A Switch & socket, independent with required concealed metal box, plate & concerned accessories complete for Raw Power outlet- wires to be used 2x4 +1x4 Sqmm FRLS	962 Nos.		
2	Supply, Installation, Testing & Commissioning of 20A 3 pin SP moulded socket with switch, independent with required concealed metal box, plate & concerned accessories complete- wires to be used 2x4 +1x4 Sqmm FRLS	15 Nos.		
3	Supply, Installation, Testing & Commissioning of 16A Switch & 6/16A 3 pin socket, independent with required concealed metal box, plate & concerned accessories complete for Hand Dryer, oven, xerox machine, pantry etc.- wires to be used 2x4 +1x4 Sqmm FRLS	52 Nos.		
4	Supply, Installation, Testing & Commissioning of 6A Switch & 2 nos. of 3 pin socket, independent with required concealed metal box, plate & concerned accessories complete for UPS power outlet- wires to be used 2x4 +1x4 Sqmm FRLS	707 Nos.		
III	TELEPHONE & TV			
1	Supply, Installation, Testing & Commissioning of Telephone outlet, fixed on modular switch board in wall, including all accessories to complete the Telephone outlet	402 Nos.		
2	Supply, Installation, Testing & Commissioning of TV outlet, fixed on modular switch board in wall, including all accessories to complete the TV outlet	37 Nos.		
3	Supply, Installation, Testing & Commissioning of RG-6 wire for TV point with 25mm PVC conduit	2912 Mtrs.		
4	Supply, Installation, Testing & Commissioning of 100 pair jelly filled 0.5 sqmm cable	330 Mtrs.		
IV	CABLES & WIRES			
1	Supply, Installation, Testing & Commissioning of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire mains for lighting circuit from Lighting DB to individual switch board with MMS, surface & concealed (on wall) 25mm PVC conduit for Raw as well as Emergency	9405 Mtrs.		

2	Supply, Installation, Testing & Commissioning of of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire for 6A 3 pin socket & switch from power DB to 3 pin, 6A Socket + switch(through raceway)[for Raw Point]	5049 Mtrs.		
3	Supply, Installation, Testing & Commissioning of of 2 x 4 + 1 x 4 sqmm FRLS Cu. Wire for set of 2 nos. of 6A 3 pin socket & single switch from power DB to 6A Socket + switch(for UPS)(through raceway)	5049 Mtrs.		
4	Supply, Installation, Testing & Commissioning of of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire for 20A 3pin SP moulded socket with switch from power DB to 20A socket; with 25mm MMS PVC conduit; concealed in wall or through partitions.	385 Mtrs.		
5	Supply, Installation, Testing & Commissioning of of 2 x 4 + 1 x 4 sqmm FRLS Cu. wire for 6/16A 3 pin socket & 16A switch from power DB to 6/16A socket; with 25mm MMS PVC conduit; concealed in wall or through partitions.	847 Mtrs.		
6	Supply, Installation, Testing & Commissioning of CAT-6 wire for telephone from Krone Box to each/ individual telephone outlet with required end terminations complete .[for Staff]	12705 Mtrs.		
7	Supply, Installation, Testing & Commissioning of CAT-6 wire for telephone from Krone Box to each/ individual telephone outlet with required end terminations complete .[for Cabins]	3388 Mtrs.		
8	Supply, Installation, Testing & Commissioning of 4C X 16sqmm, FRLS Copper flexible cable from Panel to UPS & from UPS to UPS Panel	200 Mtrs.		
9	Supply, Installation, Testing & Commissioning of 4C X 16sqmm, Aluminium armoured cable from UPS PANEL to UPS DBs & from Panel to Power DBs	1100 Mtrs.		
10	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 4C X 16sqmm, copper flexible cable	50 Nos.		
11	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 4C X 16sqmm, Al. armoured cable	60 Nos.		
12	Supply, Installation, Testing & Commissioning of 4C X 10sqmm, Aluminium armoured cable from Panel to Lighting DB	500 Mtrs.		
13	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 4C X 10sqmm,Al. armoured cable	35 Nos.		
14	Supply, Installation, Testing & Commissioning of 3C X 4sqmm, Cu. armoured cable from UPS outgoing Panel to Emergency Lighting DB	550 Mtrs.		
15	Supply, Installation, Testing & Commissioning of end terminations with lugs & glands for 3C X 4sqmm, Cu. armoured cable	35 Nos.		

16	Supply, Installation, Testing & Commissioning of 1C x 10sqmm Cu. Flexible cable with 25mm PVC conduit for earthing	1400 Mtrs.		
17	Supply, Installation, Testing & Commissioning of CAT6 wire for Camera with 25mm MMS PVC conduit	748 Mtrs.		
V	RACEWAY, CABLE TRAY, PVC TRUNKING, JUNCTION BOX, KRONE BOX,UPS			
1	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge (150 x 25mm) for Raw Power & UPS Power including all accessories.	1082 Mtrs.		
2	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge (200 x 25mm) for Data & Telephone including all accessories.	1006 Mtrs.		
3	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge(300 x 25mm) for Data & Telephone including all accessories.	54 Mtrs.		
4	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge(100 x 25mm) for Data & Telephone including all accessories.	248 Mtrs.		
5	Supply, Installation, Testing & Commissioning of GI Raceway 16 Gauge(100 x 25mm) for Raw & UPS power including all accessories.	247 Mtrs.		
6	Supply, Installation, Testing & Commissioning of 150 x 50mm GI perforated cable tray for laying cable from Panel to Lighting & Power DB	123 Mtrs.		
7	Supply, Installation, Testing & Commissioning of 100 x 50mm PVC trunking inside Electrical & Server Room	242 Mtrs.		
8	Supply, Installation, Testing & Commissioning of metal Junction Box(300x300x40)mm for Data & Telephone Raceway with required accessories like bracket, riser, coupler etc.	203 Nos.		
9	Supply, Installation, Testing & Commissioning of metal Junction Box(150x150x40)mm for Data & Telephone Raceway with required accessories like bracket, riser, coupler etc.	48 Nos.		
10	Supply, Installation, Testing & Commissioning of metal Junction Box(200x200x40)mm for Raw Power & UPS Power with required accessories like bracket, riser, coupler etc.	224 Nos.		
11	Supply, Installation, Testing & Commissioning of metal Junction Box(150x150x40)mm for Raw Power & UPS Power with required accessories like bracket, riser, coupler etc.	42 Nos.		
12	Supply, Installation, Testing & Commissioning of Flyover metal Junction Box(450x450x40)mm, to ensure data & power crossover at 90 degrees; with required accessories like bracket, riser, coupler etc.	126 Nos.		
13	Supply, Installation, Testing & Commissioning of 100 Pair Telephone Krone Box.	7 Nos.		

14	Supply, Installation, Testing & Commissioning of 15 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up	1 Nos.		
15	Supply, Installation, Testing & Commissioning of 20 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up	2 Nos.		
16	Supply, Installation, Testing & Commissioning of 30 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up	4 Nos.		
17	Supply, Installation, Testing & Commissioning of 30 KVA UPS, 3 phase 4 wire IN & 3 phase 4 wire OUT, 20min Battery Back Up for Server Room	1 Nos.		
18	Supply, Installation, Testing & Commissioning of 25mm PVC conduit	2972 Nos.		
VI	LIGHT FITTINGS, EXHAUST, CCTV			
1	Supply, Installation, Testing & Commissioning of Recessed Type Downlight Fixture(LED lighting Fixture), 12W fitting, luminous flux- 900lm to 1070lm :frosted glass	642 Nos.		
2	Supply, Installation, Testing & Commissioning of tubelight fitting (LED lighting Fixture)- :frosted glass	26 Nos.		
3	Supply, Installation, Testing & Commissioning of Recessed Type Light Fixture- 600 mm x600 mm Grid Light, 36W fitting, luminous flux- 3000lm to 3200lm (LED lighting Fixture) :frosted glass	779 Nos.		
4	Supply, Installation, Testing & Commissioning of 300mm dia. Exhaust Fan with louvers	14 Nos.		
5	Supply, Installation, Testing & Commissioning of wall lighting fixtures	225 Nos.		
6	Supply, Installation, Testing & Commissioning of CCTV Camera;3 Megapixels Fixed Lens Indoor Network Dome Type IR Camera: Full HD, 3D DNR, DWDR , H.264/MJPEG, dual-stream, DWDR, 3D DNR, 1/2.8" Progressive Scan CMOS , 4mm lens@ F2.0, Angle of view: 75.8°, IR cut filter with auto switch, Digital WDR, BLC, Alarm Trigger :- Motion detection, Dynamic analysis, Tampering alarm, Power :- 12 V DC ± 10% , PoE (802.3af), IP66 Weather Proof, IR Range upto 15 Mtr. as per Data Sheet; which includes:-			
i.)	CCTV Camera	14 Nos.		
ii.)	16 Channel NVR	1 Nos.		
iii.)	Hard Disk, 4TB	1 Nos.		
iv.)	POE switch	1 Nos.		
7	Supply, Installation, Testing & Commissioning of Ceiling Fans(1200 mm dia)	10 Nos.		

VII	DISTRIBUTION BOARDS			
1	Supply,Installation, testing & commissioning of 4 way TPN DB(Lighting DB) 25A, 30mA, 4P RCCB incomer and 6 to 10A , SP MCB as outgoing as per SLD(Single Line Diagram).	14 Nos.		
2	Supply,Installation, testing & commissioning of 6 way TPN DB(Raw Power DB) 40A, 4P MCB incomer and 10A to 20A , SP MCB as outgoing as per SLD(Single Line Diagram).	14 Nos.		
3	Supply,Installation, testing & commissioning of 6way TPN DB(UPS DB) 40A 4P MCB as incomer and 10A to 20A , SP MCB as outgoing as per SLD(Single Line Diagram).	14 Nos.		
4	Supply, installation, Testing & Commissioning of 8 way SPN DB(Emergency Lighting DB) with 25A,2P RCCB as incomer & 6A SP MCBs as outgoing as per SLD(Single Line Diagram).	14 Nos.		
5	Supply, Installation, Testing & Commissioning of MS fabricated, Indoor Panel with 63A, 4P MCB as incomer & 2 nos. of 32A, 4P MCBs as outgoing for UPS DB & 25A, DP MCB, 2 nos. for Emergency Lighting DB	7 Nos.		
6	Supply,Installation, testing & commissioning of 8way TPN DB(UPS DB) 63A 4P MCB as incomer and 10A to 20A , SP MCB as outgoing as per SLD. (for Server)	2 Nos.		
7	Supply,Installation, testing & commissioning of 63A, 4 pole MCB with enclosure.	7 Nos.		
VIII	FIRE Alarm system			
1	Supply,installation,Testing & commissioning of Addressable manual call point. No Glass included.	15 Nos		
2	Supply,installation,Testing & commissioning of Analog Addressable mutisensor detector .	225 Nos.		
3	Supply, Installation, Testing & Commissioning of Hooter	15 Nos.		
4	Supply, Installation, Testing & Commissioning of loop in loop out, 2 core, 1.5sqmm Cu. Armoured cable for Smoke Detector	3178 Mtrs.		
5	Supply,installation,Testing & commissioning of fire Alarm panel; 8 loop.(Specification as per Data sheet)	1 No.		
IX	EPABX, KRONE BOX			
1	Supply, Installation, Testing & Commissioning of EPABX System as per Data Sheet[Matrix/ Siemens/ Alcatel makes]	1 Nos.		
	1. 08 Analog Trunks			
	2. 04Digital Extensions			
	3. 408 Analog Extensions			
	4. PRI CARDS (SINGLE PORT 2 NOS.)			
	5. Digital Phone: EON 48 S (2 NOS)			
	6. DSS 64 FOR EXT. DISPLAY(2 NOS)			

2	Supply, Installation, Testing & Commissioning of MDF BOX WITH KRONE (300+300PAIR)	1 Nos.		
X	Projector System			
1	Supply, Installation, Testing & Commissioning of LCD Projector; 4000 Lumens	2 Nos.		
2	Supply, Installation, Testing & Commissioning of Ceiling Mount Kit	2 Nos.		
3	Supply, Installation, Testing & Commissioning of HDMI Cable 15 Mtr.	4 Nos.		
4	Supply, Installation, Testing & Commissioning of VGA Cable 15 Mtr.	4 Nos.		
5	Supply, Installation, Testing & Commissioning of Power Cable 15 Mtr.	2 Nos.		
6	Supply, Installation, Testing & Commissioning of MDF BOX WITH KRONE (300+300PAIR)	1 Nos.		
7	Supply, Installation, Testing & Commissioning of Projector Screen, 7' x 5'	1 Nos.		
XI	Public Address System[For 5th & 7th floors]			
1	For DIRECTOR:- High Sensitivity, table top gooseneck microphone atleast 17.6" long, priority switch, current consumption-< 50mA Max., Windshield, 1.5m Interconnecting Cable[Bosch/ Sennheiser/ Ahuja]	5 Nos.		
2	For PARTICIPANT:- High Sensitivity, table top gooseneck microphone atleast 17.6" long, headphone output, built-in speaker, Windshield, 1.5m Interconnecting Cable, volume control switch, talk switch	50 Nos.		
3	Amplifier For Conference System:- 3 mic input & aux output, ability to connect upto 80 speaker mics simultaneously, power output 48 Watts or better @ 2% THD, ability to connect to MP3 player, SD Card slot, Rack mountable chassis, junction boxes included	2 Nos.		
4	6W Ceiling Mount Speaker:- SITC of 6W Recessed Ceiling speakers with following features:- Complete Metal speaker with metal grill, variable wattage tapings of 6/3/1.5, effective frequency range 18Hz-18Khz complete with necessary outng hardware & accessories.	12 Nos.		
5	Required Accessories, junction boxes, interconnecting cables, required for commissioning of above system.	2 Nos.		
6	Supply, Installation, Testing & Commissioning of speaker wire in25mm FR PVC conduit	200 Mtrs.		

XII	Access Control Systems			
1	4 Reader Access Control Panel with Built in 5 Amps Supply, on board TCP/IP, remote upgradation of firmware, a very strong NetXS Access Control software. Can connect to all readers which gives wiegand or Clock & Data outputs. 8500 users & 56500 transactions. [Honeywell / Spectra]	2 Nos.		
2	Fingerprint Reader with HID Prox reader, 1900 templates (Option available for 9000 templates). Can be connected to any controller thru a weigand interface. Ideal for smaller door frames, tripods etc.[Honeywell / Spectra]	7 Nos.		
3	Exit Switch for OUT Extry [Honeywell / Spectra]	7 Nos.		
4	MS Access, SQL and Oracle based access control software; Need to download online[Honeywell / Spectra]	1 Nos.		
5	Prox II cards - 1326. Clampshell type thick card. Cannot be printed on directly.[HID]	50 Nos.		
6	Electromagnetic lock 600 LBS with LED[BELL / CAPTURE / ESSL]	7 Nos.		
XIII	Earthing			
1	Supply, Installation, Testing & Commissioning of Cu earthing station-:as per IS: using 600 x 600 x3 mm thick Cu Plate electrode, with 25 x 3 mm Cu strips from earth electrode to inspection chamber, 25mm dia medium class GI pipe, CI funnel with 20 gauge GI wire mesh etc. Prices should include excavation-3m deep, back filling, CI earthing chamber 450 x 450 mm with concrete base, cast Iron cover, test links, disconnecting link etc.	4 Nos.		
	TOTAL AMOUNT (Including All Taxes and Surcharge etc. as applicable)			
	TOTAL AMOUNT IN WORDS (Including All Taxes and Surcharge etc. as applicable)			

TECHNICAL DATA SHEET FOR FIRE ALARM SYSTEM

System Capacity	
Intelligent Signaling Line Circuits	1 expandable to 10
Programmable software zones	over 2000
ACS annunciators	per CPU2-303032 address x 64 or 96 points
Specifications	
Primary input power	
AMPS-24:	110-120 VAC, 50/60 Hz, 4.5 Amps maximum.
AMPS-24E:	240 VAC, 50/60 Hz, 2.25 Amps maximum.
DC output	
Main	24 VDC: Up to 5.0 A
Aux 24 VDC	: Up to 5.0 A
5 VDC:	Up to 0.15 A.
Battery charger range:	7 AH - 200 AH.
Float Rate:	27.6 V.
Temperature and Humidity Ranges	This system meets NFPA requirements for operation at 0 - 49°C/32 - 120°F and at a relative humidity 93% ± 2% RH(noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperatureranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environmentwith a normal room temperature of 15 - 27°C/60 - 80°F.

TECHNICAL SPECIFICATIONS FOR LCD PROJECTOR

OSD languages	English, French, German, Spanish, Italian, Japanese, Portuguese, Simplified Chinese, Traditional Chinese, Korean, Swedish, Russian, Finnish, Polish, Turkish, Norwegian, Dutch, Arabic, Persian, Czech, Danish, Hungarian, Romanian, Slovenian, Croatian, Greek, Lithuanian, Estonian, Latvian, Thai, Portuguese (Brazil), Indonesian, Vietnamese
Digital input	1 x HDMI (HDCP compatible)
Computer input	1 x 15-pin Mini D-sub (shared with analogue component video input) 1 x 15-pin Mini D-sub (shared with analogue component video input and Monitor Out)
Monitor output	1 x 15-pin Mini D-sub (shared with analogue computer In 2 and analogue component video input)
Video input	1 x 15-pin Mini D-sub (shared with analogue computer In 1 and analogue computer In 2) 1 x RCA for composite
Audio input	1 x pair RCA (L/R)
Audio output	1 x pair RCA (L/R)
Control	1 x 9-pin D-sub for RS-232C control

TECHNICAL DATA SHEET FOR LED DOWN LIGHT ROUND TYPE 12W

Electrical	
Input Voltage	230V, 50 Hz
Operating Voltage range	100V ~ 285V AC
Input Frequency	45~55 Hz
Input Current	55 mA
Power factor	0.9
Athd	15%
Driver Efficiency	85%
Optical	
Luminous Flux	960 lm900 lm1070 lm
Optics Used	Diffuser (Milky)
Thermal	
Temperature rise	Temperature rise in Heat sink from ambient (25°C) shall be @ 25°C
Safety	
Protections	Open Loop Short Circuit Surge up to 2.5kv
LED	
Type	SMD
LED Lumen	110lm/w
LED Beam angle	Wide beam angle (120°)
LED Life	50,000 Hours
Working Temperature & Humidity	0 °C ~ 50 °C , 10% ~ 90% RH

TECHNICAL DATA SHEET FOR LED PANEL LIGHT 36W

Electrical	
Total System Wattage	40W + 10%
Input Voltage	230V, 50Hz
Operating Voltage range	100V ~ 285V AC
Input Frequency Range	45~55 Hz
Input Current	200 mA
Power factor	0.95
Athd	15%
Driver Efficiency	85%
Optical	
Luminous Flux	3200 lm 3000 lm 2800 lm
Optics used	Diffuser (Milky)
Type of Mounting	Recessed
LED	
Type of LED	SMD
LED Lumen	More than 110 lm/w
LED Life	50,000 Hours
Working Temperature & Humidity	0°C ~ 50°C, 10% ~ 90% RH

TECHNICAL DATA SHEET FOR 20 KVA UPS

<u>Output</u>	
Nominal Output Voltage	400V nominal output voltage
Efficiency at Full Load	92%
Output Frequency(sync to mains)	50/60 Hz +/- 3 Hz user adjustable
Output Power Capacity	16kW
Output Connections	Hardwire 5-wire (3PH + N + G);
<u>Input</u>	
Nominal Input Voltage	230V or 400V
Input Frequency	45-65 Hz (auto sensing)
Input Connections	Hardwire 5-wire (3PH + N + G)
Bypass	Automatic and Manual (Built In)
Communications and Management	
Interface Port(s)	RJ-45 10/100 Base-T, RJ-45 Serial, SmartSlot
Pre-Installed SmartSlot Card	AP9631
Emergency Power Off (EPO)	Yes
Control panel	LCD Display
<u>Physical</u>	
Maximum Height	432 mm
Maximum Width	432 mm
Maximum Depth	736mm
Net Weight	247.70 kg
<u>Battery</u>	
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte: leak proof
Replacement Battery	RBC44

TECHNICAL DATA SHEET FOR 15 KVA UPS

<u>Output</u>	
Nominal Output Voltage	400V nominal output voltage
Efficiency at Full Load	92%
Output Frequency(sync to mains)	50/60 Hz +/- 3 Hz user adjustable
Output Power Capacity	12kW
Output Connections	Hardwire 5-wire (3PH + N + G);
<u>Input</u>	
Nominal Input Voltage	230V or 400V
Input Frequency	45-65 Hz (auto sensing)
Input Connections	Hardwire 5-wire (3PH + N + G)
Bypass	Automatic and Manual (Built In)
Communications and Management	
Interface Port(s)	RJ-45 10/100 Base-T, RJ-45 Serial, SmartSlot
Pre-Installed SmartSlot Card	AP9631
Emergency Power Off (EPO)	Yes
Control panel	LCD Display
<u>Physical</u>	
Maximum Height	432 mm
Maximum Width	432 mm
Maximum Depth	736mm
Net Weight	247.70 kg
<u>Battery</u>	
Battery Type	Maintenance-free sealed lead-acid battery with suspended electrolyte: leak proof
Replacement Battery	RBC44

TECHNICAL DATA SHEET FOR 30 KVA UPS

<u>Output</u>	
Nominal Output Voltage	400V nominal output voltage
Efficiency at Full Load	93%
Output Frequency(sync to mains)	57-63 Hz
Output Power Capacity	24kW
Output Connections	Hardwire 5-wire (3PH + N + G); Screw Terminals
<u>Input</u>	
Nominal Input Voltage	230V or 400V
Input Frequency	45-65 Hz (auto sensing)
Input Connections	Hardwire 5-wire (3PH + N + G)
Bypass	Built In Maintenance By Pass, Built In Static Bypass
Communications and Management	
Interface Port(s)	DB-9 RS-232, Smart- Slot
Pre-Installed SmartSlot Card	AP9619
Emergency Power Off (EPO)	Yes
Control panel	Multi- function LCD Status & Control Console
<u>Physical</u>	
Maximum Height	1499mm
Maximum Width	523mm
Maximum Depth	925mm
Net Weight	629.09kg
<u>Battery</u>	
Battery Type	VRLA
Replacement Battery	SYBT4