

**THE ORIENTAL INSURANCE COMPANY LIMITED
REGIONAL OFFICE INDORE IDA BUILDING
4TH FLOOR 7, RACE COURSE ROAD
INDORE, MP,452001**



**TENDER DOCUMENT
FOR
RENOVATION WORK
OF
OIC REGIONAL OFFICE, INDORE**



CONSULTING ARCHITECTS AND ENGINEERS

AKA CONSULTANTS (INDIA) PVT. LTD.

8, S.B.I. Officers Colony,

Near Bima Nagar,

Indore – 452 001(M.P.)

Email id: - akakem@akaconsultants.in



THE ORIENTAL INSURANCE COMPANY LIMITED
TELEPHONE NO. : 0731-2549061 CIN NO. : U66010DL1947GOI007158

NOTICE INVITING TENDER

TENDER DOCUMENT FOR PROPOSED OFFICE RENOVATION WORK OF
REGIONAL OFFICE, INDORE ,

THE ORIENTAL INSURANCE COMPANY LIMITED
REGIONAL OFFICE INDORE IDA BUILDING
4th FLOOR 7, RACE COURSE ROAD
INDORE, MP. 452001

NOTE: IT IS MANDATORY THAT THE BIDDERS SUBMIT THE BID DOCUMENTS IN
PHYSICAL FORM (HARD COPY)

TO BE DROPPED IN THE TENDER BOX

Regional In charge, Regional Office, The Oriental Insurance Company Limited, INDORE invites Sealed Tenders in '**Two Bid System**' as mentioned hereunder in the attached prescribed format from Interested and Reputed Contractors/Firms. Bidders are advised to study this tender document carefully. Submission of bid shall be deemed to have been done after careful study and examination of the tender document with full understanding of its implications. The response to this tender should be full and complete in all respects. Incomplete or partial bids shall be rejected.

1. Interested parties may submit bids in two separate envelopes duly superscribed as "**Technical Bid**" and "**Financial Bid**". Both these bids should be put in **one big envelope super-scribed "TENDER FOR PROPOSED WORK OF RO INDORE OFFICE RENOVATION"**. The Bidder/Tenderer is requested to sign all the papers comprising Technical Bid, Financial Bid and the Annexures attached, and addressed to **Regional Manager, Establishment Deptt., Regional Office Indore, The Oriental Insurance Company Limited, IDA Building, 4th floor , 7 Race Course Road, Indore , MP .452001**, shall be deposited in the Tender Box placed at Establishment Deptt., on the above address, **on or before 10.01.2024 up to 4.00 PM. The tender received in any manner other than prescribed in the Tender Document shall be summarily rejected. Any tender received after the scheduled date and time shall not be**

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(Signature & Seal of the Contractor)

considered. The Company will not accept any responsibility for the tender lost in transit or delivered elsewhere.

The Bidder/Tenderer is requested to quote rates in the 'Financial Bid' keeping in view the terms and conditions of this Tender Document and the tender is liable to be rejected if any change in the terms and conditions is proposed. The Bidder/Tenderer has to submit Earnest Money Deposit of Rs.8,05,000/-(Rupees Thousand Only) through Demand Draft only(payment by cheque or any other mode is not acceptable) in favour of "The Oriental Insurance Company Limited" payable at INDORE along with the Technical Bid. Tenders without the Earnest Money Deposit (through Demand Draft Only) will be deemed rejected.

Interested and Reputed Contractors/Firms can obtain the detailed Tender Document, containing detailed Terms and Conditions, drawings, Financial Bid etc. to be attached with bids, against a written request on their letter head from the Office of Regional Manager, Establishment Deptt., Regional Office Indore, The Oriental Insurance Company Limited, IDA Building , 4th floor , 7 Race Course Road, Indore , MP .452001 , along with submission of a non-refundable Demand Draft only of Rs. 5000/- (Rupees Five Thousand Only) drawn on any Nationalized/ Scheduled Bank in favor of "**The Oriental Insurance Company Limited**" payable at Indore on all working days (Monday to Friday) between 10.30 A.M. to 5.00 P.M. The time schedule of tendering is specified below:-

1	Issue of Tender Document	From 26.12.2023 to 08.01.2024 between 10.30 AM to 05.00 PM on all working days (Monday to Friday)
2	Tender Document Fee (Non-refundable)	Rs.5000/- (Rs. Five Thousand Only). Pay through Demand Draft Only drawn on any Nationalized / Scheduled Bank favoring " The Oriental Insurance Company Limited " payable at INDORE
3	Last Date and Time for submission of Tender.	10.01.2024 up to 4.00 PM
4	Date of Pre-bid meeting	03.01.2024 at 3.00 PM at OIC Regional Office, IDA Building, 4th Floor, 7 Racecourse Road, Indore.
5	Date and Time of opening of Technical Bid.	11.01.2024 at 3:00 PM at OIC Regional Office, IDA Building, 4th Floor, 7 Racecourse Road, Indore.
6	Date and Time of opening of Financial Bid.	Will be intimated to Technically Qualified Bidders at a later date.

7	Earnest Money Deposit (EMD).	Demand Draft only of Rs. 8,05,000/- (Rupees Eight Lacs Five Thousand Only) to be placed in sealed Envelope of "Technical Bid". Payment of EMD through any other mode is not acceptable.
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The Tender Document can also be downloaded from the website www.orientalinsurance.org.in and the same will be accepted along with the Tender Fee of Rs. 5000/- (Rupees Five Thousand Only) through a separate Demand Draft Only drawn on any Nationalized / Scheduled Bank favoring "**The Oriental Insurance Company Limited**" payable at INDORE, which is required to be placed in the envelope containing Technical Bid.

All amendments / information with respect to this Tender will be uploaded on the Company's Website www.orientalinsurance.org.in . All Tenderers are, therefore, advised to visit the website regularly for updates. The Oriental Insurance Company Limited, reserves the right to reject all or any tender without assigning any reason, whatsoever.

(DY.GENERAL MANAGER)
REGIONAL OFFICE, INDORE

**The Oriental Insurance Company Ltd.
Regional office ,IDA Building , 4th floor,
7 Race course Road Indore (M.P)**

Tender Document

Name of work : Interior Civil, Sanitary, Plumbing, Electrical, HVAC and Fire Fighting etc. of Oriental Insurance company Ltd. at IDA Building, 4th Floor Race Course Road Indore (M.P.)

Consultant : **M/s Aka Consultants India Private Limited**

8, State Bank of India Officers Colony,
Near Beema Nagar, Anand bazar,
Indore, Madhya Pradesh 452001
585/2B, M. G. Road,

THE ORIENTAL INSURANCE COMPANY LTD.
Regional office ,IDA Building , 4th floor,
7 Race course Road Indore (M.P)

Name of work: Interior Civil, Sanitary, Plumbing, Electrical, HVAC etc of Oriental Insurance Company Ltd., at IDA Building 4th Floor 7 racecourse road Indore (M.P.).

1. Sealed tenders on item rate basis on behalf of Deputy General Manager, Oriental Insurance Co. Ltd., Indore, are invited from contractors with adequate financial, technical expertise and manpower resources for the following works:-

1.0 Civil Works

1.1 Plumbing, Sanitary and Fire fighting System

1.2 Interior furnishing

1.3 Electrical and HVAC System

2. Signing of agreement : Within 7 days of Date of Acceptance of offer

3. Estimated cost of work : **Rs 161.06 Lacks**

4. Earnest money : **Rs 8,05,000/-**

5. Interim bill value : **Rs 40.00 Lacks**

6. Times of Start of work : Within 10 days of Work order.

7. Time of completion : Within 120 days of Date of Work Order

8. Issue of Tender Document : 26/12/2023 to 08/01/2024 in working days (Monday to Friday).

9. Date of Pre bid meeting : 03/01/2024 at 3 pm at OIC Regional Office IDA Building 4th Floor 7 racecourse road Indore (M.P.).

10. Time & Date & place of Submission : 10/01/2024 at 4 pm at OIC Regional Office IDA Building 4th Floor 7 racecourse road Indore (M.P.).

11. Date and place of opening of Tender : 11/01/2024 at 3 pm at OIC Regional Office IDA Building 4th Floor 7 racecourse road Indore (M.P.).
12. Retention Amount : 5% from Each R.A Bill .
13. Tax Deducted at Source : As Applicable.
14. Price / Rate to Include : All and Every tax Including Insurance cover as detailed, But excluding GST.
15. Period of final measurement : **45 days** from date of completion.
16. cost of Tender Document : Rs. 5000/- by Pay order/ DD (nonrefundable) in favour of Oriental Insurance Co. Ltd., Indore.
17. Method of selection : The offers shall be scrutinized as per the pattern decided by the contracting authority.

Note

: No Offer Shall be considered Without E. M. D. Which shall be submitted along with Technical Bid.
Oriental Insurance reserves the right to reject all or any tender without assigning any reason.

Issued to: : -----

Issued by: : -----

PRE-QUALIFICATION CRITERIA

The contractors must satisfy and submit the followings for qualifying themselves for the opening of financial bid:

1. Bank certificate certifying that they are financially sound for carrying out the work under consideration (specify the name of work) for estimated value of Rs.200.00 lacs.
2. They must have executed at least two works of similar nature amounting to the 50% of estimated value in Madhya Pradesh and must submit client's satisfaction certification for these works along with cost of work and the period of completion Within 7 years.
3. List of work in hand / Ongoing- only interior work to be mentioned.
4. Similar nature means contractor who has completed the interior, civil, MEP work in last 7 year shall only be qualified as eligible contractors.

Any false information shall make the Technical Bid invalid and if the same is found during the execution the work contract shall become voidable on the sole discretion of employer and the money in hands of employer at that time shall be forfeited.

The tenderers must satisfy themselves that they have adequate experience to handle this comprehensive multi-disciplinary project within the stipulated time. They should produce documentary proof of satisfactorily completing at least two jobs of similar nature costing not less than Rs. 80 lacs each in the last 7 years.

Tenderer shall visit the site, check the actual site condition prevailing at site. The tender shall visit the site and acquaint himself fully at the site condition and no claim whatsoever will be entertained on the plea of ignorance or difficulties involved in the execution of the work or for carriage of material storage, stocking etc. of material.

The tender document for the above work are prepared in two bid system viz. Part – 1 Technical Part of tender document, consisting of form for tender, agreement, conditions of contract, specifications, construction time schedule and list of drawings. Part II Financial Part of tender document consists of schedule of quantities for quoting rates and amount.

1. The stipulated completion period is 120 days from the date of award of work or from the date of release of site whichever is earlier.
2. The tender document containing terms and conditions including drawings and Price Bid etc. should be obtained from the office of the Deputy General Manager, Oriental Insurance company Regional Office IDA building 4th floor 7 Racecourse Road Indore during the office hours (10.30 AM to 5.00 PM) on all working days from against Pay

Order/ D.D of Rs. 5000/- nonrefundable in favor of Oriental Insurance Co. Ltd. Indore.

3. The Earnest Money Deposit of Rs.8,05,000/- (Rupees Eight lakhs five thousand Only) shall be paid with the tender document under Banker's Pay Order or Demand Draft drawn in favour of "Oriental Insurance Co. Ltd." Indore and drawn on any nationalized bank in Indore.
4. The tenderers are requested to strictly observe the entire following procedures for submission of the duly filled in tender: -
 - a) The Price Bid contains the Schedule of Quantities and Rates for the works to be undertaken.

The approximate quantities of each individual item are indicated therein. The quantities are based on rough estimates and the Architect / Deputy General Manager reserve the right to vary the same depending upon the contingencies. No claim of whatsoever nature will be entertained on this ground. The tenderer shall indicate the rates in the column provided for inserting the rates, at which he / she proposed to undertake the work described in the respective column. The rate shall include all aspects of cost such as labour, materials, plants, equipment's, transportation, all taxes, duties, royalties cess and sales tax etc. On no ground will the tenderers be allowed to amend or enhance or reduce the rates after submission of the tender. The rate quoted shall correspond to the unit indicated in the Schedule of the Quantities and Rates.

Further, the contractor shall calculate and insert in the appropriate column the amounts corresponding to each item obtained by multiplying the rate quoted by the contractor for a particular item to the quantity indicated for those particular items, in case of incorrect multiplication and insertion of the amount, the rate quoted by the contractor will be considered as correct.

The tenderer shall also obtain the total of all works separately viz. Civil Works, plumbing works etc. The total amounts thus obtained shall be entered in the SUMMARY provided at the end of schedule of Quantities and Rates. The tenderer should sign and put the seal of the firm on all pages of price bid and also at the SUMMARY.

- b) The Price Bid so prepared shall be enclosed in a Separate cover and super scribed as PRICE BID.
 - c) The Drawings attached with the tender are indicative and may change at the time of execution. Contractor will have no claim, in case of changes, If any.

5. The rates and amounts must be quoted in Rupees and Paise both in words and in figures.
6. The rates quoted by the Contractor in words shall prevail in case of discrepancies, if any.
7. Any correction to rates and amounts written by tenders shall be done by clearly striking out unwanted writing and initialing the desired writing. Repeated correction on an item shall invite disqualification of the tender.
8. The complete tender document duly filled in as stated above shall be submitted in the Office of the Deputy General Manager, Oriental Insurance Co Ltd IDA Building , 4th floor 7, Race course Road Indore on or before 10/01/2024 at 4 PM. Technical Bid (Part – I of the tender) will be opened on the next day at 3 PM in presence of the tenderers or their authorized representatives who may wish to remain present. If at least one bidder is not present, opening of tenders will be postponed and intimation on new date shall be given to all bidders. Part II of the Financial Bid will be opened on a later date after evaluation of the capability of the tenderers to handle job of the nature and magnitude.
9. Tenders received later than the stipulated time and date shall not be considered even though posed in time.
10. The tenderers are advised to inspect the site, examine the drawings and make all investigations regarding the extent of work, its scope and conditions under which the work is to be executed. No claim for any extra payments of any kind on account of lack of information about the site conditions or otherwise shall be entertained after the award of the contract.
11. The tender documents shall be signed by the authorized signatory. The tender documents shall not be amended, corrected, defaced, altered, except at the places where tenderers are stipulated to do so. The tender set corrected as stated above is liable to be rejected.
12. Within 7 days of the award of contract by the Employer the successful tenderer shall be required to enter upon a formal agreement. Failure on the part of the contractor do so shall make him liable to forfeit his claim to refund of the earnest money and under such circumstances, Oriental Insurance Co. Ltd. Can execute the subject work through some other agency at the risk and cost of the defaulting tenderer.
13. The offer of the tenderer shall remain open up to 180 (Hundred and Eighty) days from the date of opening of the tender.
14. It is the intention of the Employer to engage the same agency for carrying out all the renovation work. It is, therefore, required that all tenderers shall tender for all parts

and items of work in the tenders. Tenders of contractors who do not submit their offer for all items / works shall be disqualified.

15. The Employer reserves the right to cancel any or all of the tenders, either whole or in part without assigning any reasons.
16. Tenders submitted without a valid earnest money shall be disqualified.
17. The contractor shall not be entitled to any compensation for loss suffered by hindrance on account of delays in commencing, executing the work, whatever the cause for such delays may be including delays in procuring Government controlled materials.
18. The rates of different items are for all heights, depths, curvatures and width unless otherwise specified in the item of work.
19. Upon completion of the work all the areas should be cleaned. All floors, doors, windows, surface etc. shall be cleaned in a manner which will render the work acceptable to the employer. All rubbish shall be removed from the site and shall not be dumped in the surrounding areas.
20. This is a brown field project and the contractor has to be work in sections/ area's, while the office is also working. However, the contractor may be allowed to work after office hours on a written request in the matter.
21. The Contractor has to observe all safety measures, as per the law, and the contractor shall be solely responsible for any mishap / accident, damage to the property / person etc. The tenderers should provide WC policy for coverage of entire project at the time of agreement.
22. The Work to be completed in phase manner and block wise of each & every block should be completed in all respect including LAN/UPS Power cabling, Electrical fittings etc. without disturbing routine day to day work.
23. In case of dispute between the architect and the contractor, the company may decide to take over the project and get the work executed either through newly appointed architect or by appointing an officer (Project manager).
In such case all the power vested in architect shall get automatically transferred to newly appointed architect/ Project manager as the case may be.

ANNEXURE – A.

The contractor to submit following information along with latest income tax return to enable the Oriental Insurance Co. Ltd. To evaluate the resources and competence of the contractor to undertake the job.

Annual Turnover for past 3 years.

(Minimum criteria will be annual turnover of Rs 2.0 Cr (Rs 2 Crore only) for any Two years out of Last 3 Years

No. of Interior Jobs executed in last 5 years. Please give the details of the jobs executed.

(Minimum criteria will be execution of 2 similar jobs costing 80.00 lacs. each (Rs. Eighty lacks each) during last 7 years in format mentioned below: -

Name of Work :

Name of person to be contacted. :

For reference

Address :

Telephone :

Value of work: :

Time of completion :

Satisfactory completion certificate

From Client:

**The Oriental Insurance Company Ltd.
Regional office ,IDA Building , 4th floor
7 Race course Road Indore (M.P)**

Name of Work : Interior, Civil, Sanitary and Plumbing etc of Oriental Insurance Company Ltd., at IDA Building 4th floor , 7 Race Course Road Indore .

List of documents, specifications, conditions of contract, etc. to be submitted in envelope marked No. 1 Technical Bid.

The following documents shall be submitted as a part of Technical Bid. (Please place a tick mark against all points for which documents are being submitted.)

1. Demand Draft from a Scheduled Bank in support of having paid the earnest money.
2. Balance sheet of last 3 years and latest income tax clearance certificate in original or a certified copy.
3. Full name and biodata of all partners, if tender is offered in partnership. And also, the power of attorney if issued for the purpose and copy of partnership deed.
4. Details of project(s) contracts handled during the last 4 years along with satisfactory completion certificate from the clients. Minimum criteria will be execution of 2 jobs of Rs. 80.00 Lacs each during the last 7 years.
5. Details of projects / contracts in hand with their current status (Name of the client, value of the work, prescribed time period of the project, actual starting and completion of the project is essential with the above information.
6. Number of similar projects completed along with relevant details. At least 2 works costing not less than Rs. 80.00 lacs each.
7. Solvency with any Scheduled Bank – not less than Rs 80.00 Lacs.

If space is insufficient, please attach extra ahead.

Bill of quantities to be submitted in envelope marked No. 2 Financial Bid.

Note : All the above documents and lists must be signed by the tenderer before submitting the tender. All documents shall be submitted in one cover envelope, containing envelope marked No. 1 – Technical Bid and envelope No. 2 – Financial Bid upto 4 PM On 10/01/2024 in the office of Deputy General Manager, Oriental Insurance Co Ltd., Regional Office , IDA Building , 4th floor , 7 Race course Road Indore (M.P)

ARTICLES OF AGREEMENT

Articles of agreement made at _____ this day of _____ between the Deputy General Manager, Oriental Insurance Co. Ltd (hereinafter referred as the Employer, which expression shall include their heirs, Executors, Administrators & Assigns) of the one part and M/s _____ the contractor (which expression shall include their heirs, executors, administrators and assigns) of the other part.

WHEREAS the Employer is desirous to carry out, and has caused drawing and specifications describing the work to be done, prepared by the AKA CONSULTANTS PVT LTD. INDORE hereinafter referred to as the Architect) and WHEREAS the specifications and Priced Bills, Schedule of Quantities have been signed by or on behalf of the parties hereto and WHEREAS the contractor has agreed to execute upon and subject to the conditions set forth herein (hereinafter referred to as "The said conditions, General or Special") work shown upon "the said drawings and described in the Said Specification" the said Bills, "Schedule of Quantities, at the respective rates mentioned in the Bills / Schedule of Quantities constituting the tender documents".

NOW IT IS HEREBY AGREED AS FOLLOWS:

1. In consideration of the payments to be made to the Contractor as hereinafter provided he shall upon and subject to the said conditions execute and complete the work upon the said drawings and such further drawings as may be furnished to him by the said Architect and described in the said specifications and Said Schedule of Quantities.
2. The Employer shall pay the contractor such sums as shall become payable here under at the time and in the manner specified in the said conditions.

3. The tender documents shall be read and construed as forming part of this Agreement, and the parties hereto will respectively abide by and submit themselves to the Conditions and Stipulations and perform the Agreement of their parts respectively in the tender contained.
4. All disputes arising out of any connected matters with this Agreement shall be deemed to have arisen in Indore and only the Courts in the INDORE shall have jurisdiction to determine the same.
5. The Employer through the Architect reserve to himself the right of altering the drawing and nature of the work and adding to or omitting any items of work or of having portion of the same carried out departmentally or otherwise and such alterations or variations shall be carried out without prejudice to the contract.

As witness our hands this _____ day of _____ 2024.

Signed by the Employer in the presence of

(EMPLOYER)

Signed by the said Contractor in the presence of Witnesses.

(CONTRACTOR)

WITNESSES

GENERAL CONDITIONS OF CONTRACT

DEFINITIONS & INTERPRETATIONS

1. INTERPRETATIONS

In construing these conditions and specifications, schedule of quantities and contract agreement, the following words shall have the meaning herein assigned to them except where the subject or context otherwise requires.

- a) "Employer" means the Oriental Insurance Company Ltd. Indore on whose behalf tenders are invited and includes its legal representatives, successors and permitted assigns and its authorized representatives.
- b) "Contractor" means the person or persons, firm of company whether incorporated or not, employed as Contractor by the Employer for undertaking the works and shall include Contractor's representatives, successors, legal heirs and permitted assigns.
- c) "Sub – Contractor" means the person or persons, firm of company to whom any part of the Contract has been sublet by the Contractor with the written consent of the Employer based on recommendation of Architect and includes the Sub-Contractor's representatives, successors, legal heirs and permitted assigns.
- d) "Architect" means M/s **Aka Consultants India Private Limited** or in the event of their ceasing to be the Architect for the purpose of this contract, for whatever reasons such other person(s) or firm as the employer shall nominate for that purpose.
- e) Chairman and Managing Director will mean the Chairman and Managing Director of Oriental Insurance Company Limited at the relevant time. Relevant time will mean the time when action is taken under this Agreement.
- f) Regional In charge will mean the Deputy General Manager, being the senior most officer In charge of the region where the work is being executed at the relevant time.
- g) "Employer's Representative" mean a person, officer or specialist duly nominated by the Employer to act on his behalf for the purpose of this contract.
- h) "Architect Representatives" means the person or firm as notified by the Architect for the purpose. There may be a number of such representatives for varying purposes. The architect's representatives shall be responsible to the Architect.

- i) "Clerk of work" means the Engineer Officer appointed from time to time by the Employer to perform the duties set forth in by the Architect, whose authority shall be notified in writing to the Contractor by the Employer / Architect.
- j) "Contract" means the documents forming the tender and acceptance thereof and the Contract Agreement between the Oriental Insurance Company Limited, Indore and the Contractor, if executed together with the documents referred to therein including the terms and conditions, general and special specifications, designs, drawings, priced bills, schedule of quantities and instructions issued from time to time by the Architect / Employer's Representatives / Engineer-in-charge and all these documents taken together shall be deemed to form one contract and shall be complimentary to one another
- k) "Contract Price" means the sum named in the Letter of Acceptance subject to such additions or deductions there from as may be made under the terms of the contract.
- l) "Works" means the works to be executed in accordance with the contract.
- m) "Constructional Plant" means all plants, tools, tackles, appliances or equipment, implements, scaffolding of whatever nature required for the execution of the works, but does not include materials, equipment's or other things intended to form part of the permanent works.
- n) "Temporary Works" means all temporary works of every kind required for the execution of the works by the contractor.
- o) "Specifications" means the specifications annexed or issued with the tender and any modification thereof or addition thereto as may be from time to time be furnished or approved in writing by the Architect / Consultants / Employer.
- p) "Drawings" means the drawings referred to in the specifications and any modifications of such drawings approved in writing by the Architects / Employer / Engineer and such other drawings as may from time to time be furnished or approved in writing by the Architect / Employer / Engineer.
- q) "Site" means premises 4th floor IDA Building, 7 Racecourse Road Indore where the works are to be executed or carried out and any other places provided by the Employer or used for the Contract.
- r) "Approved" means approved in writing including subsequent written confirmation of previous verbal approval and "approval" means approval in writing including as aforesaid.

- s) Written notice shall be deemed to have been duly served if delivered in person to the individual or to a member of the firm or to an office of the corporation for whom it is intended, or if delivered at or sent by registered mail to the last business address known to him who gives the notice.
- t) "Month" means English calendar month. "Day" shall mean calendar day of 24 hours each.
- u) "week" means English calendar week of seven days each.
- v) "Virtual completion" means physical construction of all aspects of the contracted work and certified by the Architect and engineer as being ready for occupation by the Employer.

2 SINGULAR AND PLURAL

Words importing the masculine gender or singular number shall also include the feminine gender and plural and vice versa where the context so requires.

3. DUTIES OF CLERK OF WORK

The clerk of work shall carry out such duties in issuing decision, certificates, orders and such additional functions as are delegated to him by the Architect / Employer from time to time. The clerk of work shall coordinate, watch and supervise the works and examine materials to be used or workmanship employed in connection with works.

Provided always that:

- I. Failure of the clerk of work to disapprove any work or materials shall not prejudice the power of the Employer, and at his discretion the Employer's Representative or the Architect thereafter to disapprove such work or materials.
 - II. If the contractor shall be dissatisfied by reason of any decision of the clerk of work, he shall be entitled to refer the matter to the Architect who shall after obtaining the necessary approval of the Employer thereupon confirm, reverse or vary such decision.
4. The Architect shall be the Owner's representative. The Architect shall periodically visit the site to familiarize himself generally with the progress and the quality of the work and to determine in general if the work is proceeding in accordance with the Contract Document. During such visits and on the basis of his observations while at the site he shall keep the owner informed of the progress of the work, shall Endeavour to guard the owner against defects and deficiencies in the work of the contractor and he shall condemn work which fails to conform to the contractor document. He shall have authority to stop the work whenever such a

stoppage may be necessary in his reasonable opinion to ensure the proper execution of the contract.

The Architect shall arrange a weekly meeting at site when Architect, owner's representative and contractor are present to see quality and progress of work, and solve problems, if any.

CONDITIONS OF CONTRACT.

1. EXTENT OF WORK

The contractor shall execute / complete the work strictly in accordance with the relevant drawings and specifications prepared as per details, drawings, directions, instructions, specifications and orders that may be given to the contractor by the Architect / Employer from time to time. The Contractor shall also carry out such changes, alterations, modifications, as may be decided upon by the Employer and the Architect during the progress of work.

2. SITE INSPECTIONS

The contractor shall visit the site and get fully acquainted with the general and local site conditions particularly in respect to the transportation, handling of the various equipments and machinery, loading and unloading of the construction material and they will also have to study the availability of skilled and unskilled labour required for the timely and efficient completion of the work.

3. QUALITY OF WORKS:

The work shall be executed with materials and workmanship of the respective kind desired and described in the specifications for the work and as required as to the complete satisfaction of the Architect / Employer. Wherever a specific material is specified, the Architect / Employer may ask the contractor to obtain a certificate to the effect that the material is of the specific manufacturer.

4. RATES

The employer shall pay the contractor, who shall receive the payment in respect of the work executed as per the schedule of quantities and rates enclosed herewith duly accepted by both the parties. No escalation in rates will be payable during the period of execution of work.

5. TIME / WORKS PROGRAMME

The contractor shall begin the work within seven days of the written order to commence the work, which he may receive from the Architect / Employer and shall proceed with the work without stoppages or suspension and with all due care, diligence and expedition and complete the same together with all extra and additional work as may be decided upon and orders by the Architect / Employer and execute and complete the entire work in every respect as per approved works programme submitted by the Contractor, and latest by the following dates:

5.1 Date of commencement of the work shall be reckoned from the 7th day of award

of work order.

- 5.2 Period of completion of the Work 120 days.
- 5.3 Time shall be essence of the contract and decision of the Employer in the matter of date of starting, progress of execution and completion of the work, shall be final and always binding upon the contractor.
- 5.4 If the contractor fails to start the above work as mentioned above or shall stop or suspend the work or fail to complete the work as provided in the works programme within the dates specified herein, the contractor shall agree to pay the employer by way of liquidated damages and further damages to the Employer as under.
- 5.5 Penalty @0.5% of contract amount per day for delay in starting work with adequate arrangement of persons, equipment and materials, commensurate with the works programme, subject to maximum of 10 % of contract amount.
- 5.6 Penalty @0.5% of contract amount per day for suspension or stoppage of work, subject to maximum of 10% of contract amount.
- 5.7 If the Contractor fails to complete the works within the stipulated date of completion as per the Agreement / Contract, or within any extended time (granted extension of time) he shall be liable to pay 0.5% of contract amount per day subject to a maximum of 10% (Ten percent) of the contract amount as liquidated damages. The decision of the Regional in-charge of Employer, In consultation with the architect in this regard, will be final and binding on the contractor.
- 5.8 If in the opinion of the Architect / Employer the work is delayed.
- a) By and unforeseen circumstances having no fault on the part of the Contractor.
 - b) By delay of work by other Contractors or workmen engaged by the employer.
- OR**
- c) By reason of authorized extra additional work.
- OR**
- d) From other causes beyond the control of contractor, the Deputy General Manager of the Employer in Consultation with the Architect may give such reasonable extension of time at his sole discretion for the completion of work provided, however, that the best of endeavors to prevent the delay has been made by the Contractor.

- 5.9 Provided always that the Employer shall not be bound to wait beyond 15 days of delay and payment of the prescribed amount as per clause No. 5.5 or 5.6 will not entitle the Contractor to delay the work indefinitely. If the contractor becomes liable to pay 10% of contract amount, the employer shall be entitled to terminate this contract and get the work done through other agencies, entirely at the risk and cost of the Contractor over and above imposition liquidated damages.
6. The contractor shall first make samples of all items and obtain approval of all items / materials from the Architect / Employer regarding quality, design, materials and listed specifications, brands, make and the furniture as per approved samples. Also, the contractor shall prepare and produce expeditiously alternate samples as and when directed by the Architect / Employer for the main tender items / anticipated items /variations.
7. All minor variations in dimensions and specifications due to site conditions and all incidental there to relating to work shall be carried out by contractor without any extra work cost.
8. The rate quoted shall be for fabricating, transporting, supplying and placing the items in their final positions including final polishing and shall also include all purchase tax, excise duties, levies, sales tax on works contract including octroi etc. and no extra charge shall be admissible due to such increase during the period of contract.
- The contractor hereby indemnifies the Employer from any such duties leviable during the completion of his work.
9. The whole contract shall be a "Works Contract" and the rates quoted by the Contractor shall include finishing items of work, including polishing and final cleaning of the site etc. All applicable sales tax, excise duty, if any, on "works contract" shall be paid and borne by the main contractor.
10. The reference drawings sketched, and brief specifications are indicated for various items for which the prices have been quoted. In the event details and brief specifications not becoming clear it shall be left to the discretion of the Architect / Employer or his representative to suitably provide detailed clarifications within the concepts of the design and the price factor and no extra cost shall be admissible except for an entirely new extra work.
11. The work shall also include all minor details construction which are obviously and fairly intended, and which may not have been referred to in these documents which are essential for the good interior works, and nothing extra will be paid for the same.

No extra rate for any lifting up ward (up to 4th floor) or bringing downward (ground floor) shall be paid to the contractor and the rate quoted, shall be deemed to be inclusive of all.

12. The contractor shall submit a "Work Schedule Bart Chart" and "Procurement Chart" for proper monitoring as it is a time bound work, involving liquidated damages. The contractor shall ensure to complete the work in specified time.
13. Should any ambiguities arise during execution of works pertaining to the quality of materials, workmanship, payment, speed of work, alterations in drawings etc., the decision of the Architect / Employer shall be final and binding on the contractor.
14. **DRAWINGS**

Drawings / designs, standard details provided in the contract are indicative as the basis of contractor's quoted rates. All necessary formalities, detail drawings of various items etc. shall be prepared by the main contractor forming part of the contract work without any extra / additional cost and the same shall get duly approved by the Architect / Employer from time to time before undertaking the substantial execution of works.

Contractor shall produce samples and take approval from Architect / Employer of all materials to be used in all the works, well in advance for maintaining uninterrupted placement of orders and manufacturing activities. Such samples / catalogues may include furniture pieces, built in items of works, detailing and methodology of decoration works, including general, civil, electrical, plumbing and finishing and miscellaneous items from time to time.

15. **MEASUREMENT FOR WORK DONE**

Engineer-in-charge shall, except otherwise provided, ascertain and determine by measurement the value in accordance with the contract of work done.

All measurements of all items having financial value shall be entered in the Measurement Book and / or level field book so that a complete record is obtained of all works performed under the contract.

All measurements and levels shall be taken jointly by the Engineer-in-charge or his authorized representative and by the contractor or his authorized representative from time to time during the progress of the work and such measurements shall be signed and dated by the Engineer-in-charge and the contractor or their representatives in token of their acceptance. If the contractor objects to any of the measurements recorded, a note shall be made to that effect with reason and signed by both the parties.

The contractor shall without extra charge, provide all assistance with every appliance, Labour and other things necessary for measurements and recording levels.

The contractor shall give not less than seven days' notice to the Clerk of work or his authorized representative in charge of the work before covering up or otherwise placing beyond the reach of measurement any work in order that the same may be measured and correct dimensions thereof be taken before the same is covered up or placed beyond reach of measurement and shall not cover up and place beyond reach of measurement any work without consent in writing of the Clerk of work or his authorized representative in charge of the work who shall within the aforesaid period of seven days inspect the work, and if any, work shall be covered up or placed beyond the reach of measurements without such notice having been given or the clerk of work's consent being obtained in writing the same shall be uncovered at the contractor's expense, or in default thereof no payment or allowance shall be made for such work or the materials with which the same was executed.

It is also term of this contract that recording of measurements of any item of work in the measurement book and / or its payment in the interim, on account or final bill shall not be considered as conclusive evidence as to the sufficiency of any work or material to which it relates nor shall it relieve the contractor from liabilities from any over measurement or defects notice till completion of the defects liability period.

16. TERMS OF PAYMENT

For a minimum amount of Rs. 40.0 Lacs of works actually executed at site, measured, interim payments shall be made to the contractor against bills, which shall be evaluated and duly certified by the Architect and the Employer shall make the payment within 15 days after the issuance of certificate of payment by the Architect.

17 INTERIM PAYMENT

No money shall be legally held to be due and payable to the contractor under this contract for work until the completion of the work and due fulfillment of all obligations under the contract. Notwithstanding the above, in order to accommodate the contractor, the Employer may pay to the contractor interim advance payment. All such interim payments shall be recorded as payments by way of advance against the final payment only. The issue of interim certificate by the Architect and interim payments made by the employer shall not be considered to mean that the work is passed and shall in no way prejudice the right of the Architect / Employer to reject the work or any part thereof, being defective at any later date or at the time of final completion.

18. COMPLETION CERTIFICATE AND FINAL PAYMENTS

Within 10 days of the completion of work the contractor shall give notice of such completion to the Architect and within 45 days of the receipt of such notice the Architect

shall inspect the work and if there is no defect in the work, shall furnish the contractor with a final certificate of completion. If there are defects, the Architect will issue a provisional certificate of physical completion indicating the defects to be rectified by the contractor. If, however, any works are still incomplete as per the Architect, he shall not issue any completion certificate, but give a notice to the contractor, giving a list of the works which are incomplete.

No final certificate of completion shall be issued, nor shall the work be considered to be completed, until the contractor shall have removed from the premises on which the work has been executed, all scaffolding, surplus material, rubbish and all other temporary construction which has been provided by him for execution of the work and clear of all dirt from all wood work, doors, windows, walls floor or other parts of the building, in upon, or about which the work to be executed or of which he may have had possession for the purpose of the execution of the work. If the contractor shall fail to comply with the requirements of this clause, as to the removal of scaffolding, surplus and rubbish etc. and cleaning of dirt before the date fixed for completion of work, the Architect may at the expense of the contractor get removed such scaffolding, surplus material and rubbish etc. and dispose off the same as he thinks fit and get cleaned all such dirt as aforesaid and the contractor shall have no claim in respect of the scaffolding, cost of material as aforesaid, except for any sum actually realized by sale thereof.

Till the completion certificate has been issued by the Architect, the work shall not be considered as completed.

After completion of the works under various items, the joint measurements of the actual work done by the contractors will be recorded in presence of the Contractor and clerk of work or their representatives and the same will be forwarded to the Architect for verification. After verification by Architect, the contractor will prepare his bill based on the quantities obtained therein. The bill submitted by the contractor will be recommended to the Employer for payment after due vetting of the Architect.

In the event, even after receipt of notice in writing, if the contractor or his representative is not attending the joint measurements, the Architect or his representative or Clerk of work will arrange to record the unilateral measurements and the same will be treated as final and binding on contractor.

The Architect shall give his recommendations regarding final payment within 3 months of date of completion of work.

After the architect has given certificate of payment of final bill, Employer shall have authority to get the quality of work or measurement of works checked by any independent technical person or agency.

It is further provided that no final or other certificate of payment or of completion acceptance or settlement of the account in any circumstances shall relieve the contractor from his liability for fraud or willful unauthorized deviation from the drawings,

specifications, schedule of rates and quantities instructions and directions from time to time being binding upon him.

19. RETENTION MONEY

19.1 5% of the contractor's bill value shall be retained as "Retention Money" by the employer. Retention money shall be released to the contractor upon successful completion of the defect's liability period of six months.

19.2 If the contractor fails to rectify the notified defects during the said defect's liability period within 15 days of the notification to him, the Architect / Employer shall have a right to get it executed at the risk and cost of the contractor and recover from his retention money.

20. EARNEST MONEY DEPOSIT

The earnest money deposited by the successful contractor will be merged in the retention money.

21. INTEREST

No interest whatsoever on any account on the amount due on this contract will be payable to the contractor.

22. VARIATION AND EXTRAS.

The architect shall have power to make any alterations or omissions, additions, substitutions for the original specifications, drawings, designs and instructions, that may appear to him to be necessary during the progress of the work. The contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Architect and such alterations, omission, additions or substitutions shall not invalidate the contract and any altered, additions or substituted work which the contractor may be directed to do in the manner above specified as part of the work shall be carried out by the contractor on the same conditions in all respects on which he agreed to do the main work.

If the altered, additional, or substituted work includes any work for which no rate is specified in the contract for the work and cannot be derived from a similar class of work in the contract, then such work shall be carried out at market rates. For such items of work the contractor shall within 7 days on the receipt of the order to carry out the work, inform the architect the rate which he intends to charge for such works, supported by analysis of rate based on market rates of material and labour. The architect shall determine the rate on the basis of prevailing market rates through the clerk of work if required and shall submit the same to the employer for approval. However, the architect by a notice in writing shall be at liberty to cancel his order to carry out such work and

arrange to carry it out in such manner as he may consider advisable. But under no circumstances the contractor shall suspend the work on the plea of non-settlement of rates of extra or such items during the currency of the project till a virtual completion certificate is issued by the architect.

23. DEFECTIVE MATERIAL OR WORKMANSHIP

Should any materials brought to the site or used, be of interior quality or otherwise unsuited for the work or not in accordance with the specifications or any work executed to be found defective, unsound or badly finished, the contractor shall on receipt of a notice from the architect / employer, remove the materials, re-execute the work at his own cost to the entire satisfaction of the architect / employer.

24. ACCESS AND FACILITIES FOR INSPECTION.

The architect / employer and his / their staff shall have free and uninterrupted access to the work at all times and the contractor shall give all facilities to the Employer and the architect and their representatives for the inspection of the work during the progress as well as of the places where the contractor carried out preliminary and other connected operations for the inspection and measurements of work.

25. FOR CLOSURE OF CONTRACT DUE TO ABANDONMENT OR REDUCTION IN SCOPE OF WORK.

If at any time after acceptance of the tender employer shall decide to abandon or reduce the scope of the works for any reason whatsoever and hence not require the whole or any part of the works to be carried out, the architect / employer shall give notice in writing to that effect to the contractor and the contractor shall act accordingly in the matter. The contractor shall have no claim to any payment of compensation or otherwise whatsoever on account of any profit or advantage which he might have derived from the execution of the works in full but which he did not derive in consequence of the foreclosure of the whole or part of the works.

The contractor shall be paid at contract rates full amount for works executed at site and in addition, a reasonable amount as certified by the clerk of work for the materials brought to site, but which cannot be used. The employer shall have right to take over such materials at its market price.

26. CANCELLATION OF CONTRACT.

Notwithstanding anything mentioned otherwise in this agreement and without prejudice to any other rights the employer may of his own opinion or on the recommendation of the Architect, terminate the contract on account of any of the following acts of the contractor.

- 26.1 Inefficiency, negligence or dishonesty on the work.
- 26.2 Liquidation or insolvency of the contractor.
- 26.3 Failure to commence the work within seven days from the date of order to commence.
- 26.4 i) If he without reasonable cause suspends the carrying out of the works before completion thereof, or
- ii) If he fails to proceed regularly and diligently with the works, or
- iii) If he refuses or persistently neglects to comply with a written notice from the architect requiring him to remove defective work or improper materials or goods and by such refusal or neglect the work is materially affected, then the architect may give him the notice by registered post or recorded delivery specifying the default, and if the contractor either shall continue such a default for 14 days after receipt of such a notice and shall at any time thereafter repeat such a default (whether previous repeated or not). Then the Regional In charge of Employer without prejudice to any other rights or remedies may within 10 days after such continuance or repetition of notice by registered post or recorded delivery forthwith terminate the employment of the contractor under this contract.
- iv) In the event of the employment of the contractor being determined as aforesaid and so long as it has not been reinstated and continued the following shall be the respective rights and duties of the owner and the contractor.
- 26.5 The Regional in charge shall on such cancellation have powers to
- a) Take possession of the site and any materials, constructional plant, implements, stores etc. thereon, and / or
- b) Carry out the incomplete work by any means at the risk and cost of the contractor.

On cancellation of the contract in full or in part, the architect with approval of owner shall determine what amount, if any, is recoverable from the contractor for completion of the works or part of the works or in case the works or part of the works is not to be completed, the loss or damage suffered by owner. In determining the amount, credit shall be given to the contractor for the value of the work executed by him up to the time of cancellation, the value of contractor's materials taken over and incorporated in the work and use of plant and machinery belonging to the contractor.

Any excess expenditure incurred or to be incurred by Owner in completing the works or part of the works or the excess loss or damages suffered or may be suffered by Owner as aforesaid after allowing such credit shall without prejudice to any other right or remedy available to owner in law be recovered from any moneys due to the contractor on any account, and if such moneys are not sufficient the contractor shall be called upon in writing and shall be liable to pay the same within 30 days.

If the contractor shall fail to pay the required sum within the aforesaid period of 30 days, the Regional In charge shall have the right to sell any or all of the contractor's unused materials, constructional plant, implements, temporary buildings, etc. and apply the proceeds of sale thereof towards the satisfaction of any sums due from the contractor under the contract and if thereafter there be any balance outstanding from the contractor, it shall be recovered in accordance with the provisions of the contract.

Any sums in excess of the amounts due to owner and unsold materials, constructional plant, etc. shall be returned to the contractor, provided always that if cost or anticipated cost of completion by owner of the works or part of the works is less than the amount which the contractor would have been paid had he completed the works or part of the works, such benefit shall not accrue to the contractor.

27. GUARANTEE PERIOD (DEFECT LIABILITY PERIOD)

In the event of the work developing any defect within six months from the virtual completion date, the contractor shall on receipt of a written notice from the Employer / Architect make good the loss or correct the defect to the satisfaction of the Architect / Employer within 15 days of the said notice. Or in default the architect / clerk of work shall have the right to get it rectified at the risk and cost of the contractor. The amount so spent will be deducted by the architect / clerk of work from amounts due to the contractor or from his security deposit.

28. COMPLETION PLANS

The contractor shall submit the completion plan as required vide General Specifications. as applicable within thirty days of the completion of the work.

In case the contractor fails to submit the completion plan as aforesaid, he shall be liable to pay a sum equivalent to 2.5% of the value of the work subject to a ceiling of Rs. 15,000/- (Rupees Fifteen Thousand only) as may be fixed by the Regional In charge concerned and in this respect the decision of the Regional In charge shall be final and binding on the contractor.

29. The contractor shall not deposit materials on the site which will seriously cause inconvenience to the public / guests / neighbors etc. The employer / architect requests the contractor to remove any material which are considered by him to be

dangerous or likely to cause inconvenience to public / neighbors / staff etc. and if they fail to do the needful the same shall be removed at contractors risk and cost.

30. While the works are in progress, the works and all the materials used or to be used in the works, shall remain at the contractor's sole risk and contractor shall not be entitled to any compensation for damages or destruction of such works or materials arising out of any cause whatsoever.
31. The works premises shall remain in the exclusive physical possession of the employer and the contractor shall be deemed to have been given only a temporary permission to enter the said premises with his workmen and agents. The contractor shall not at any time claim any lieu or charges whatsoever, whether on the premises or on the executed works on any account.
32. The contractor shall keep the employer indemnified from any claims, costs, charges or expenses or injury to any persons whether workmen or not and / or property, while working at site and the employer shall not be bound to defend any claim brought under the Workmen's Compensation Act, Labour Laws or other statutes, if any, such injury or loss due to any enactment for the time being in force.
33. If the contractor or his workmen whether negligently or otherwise, cause any damage or loss to any property, fixtures of the Employer lying in the premises, the contractor shall make good the damage or reimburse such losses to the Employer. The Employer shall always be entitled to deduct any amount of such losses from the amount payable to the contractor.
34. **Contractor's facilities for other subcontractors.**

The main contractor shall at all times give access to workmen employed by any other agencies employed on the building working site and allow them the use of scaffolding, hoists, ladders, water, electric power, lighting etc. and leave necessary openings, holes wherever required to enable such workmen to lay or fix concealed pipes, conduits, wiring, inserts, fittings.

The main contractor shall extend all facilities and cooperation to all the allied agencies and other contractors like civil, electrical, air conditioning, lifts, water proofing, plumbing including all works of the provisional nature etc. for rendering best coordination and ensuring timely progress by all the departments. Main contractors quoted rates, therefore, shall be inclusive of such coordination and cooperating service.

35 **INSURANCE**

On commencement of the work, the contractor shall take out and submit to the architect / employer a certified true copy of the "Contractors All Risk Policy (C.A.R.) covering the total value of works to be executed and third-party risks up to Rs. 5,00,000/- (Rupees

Five Lakh only) per one person per occurrence of accident and property Damage Third Party Rs. 5,00,000/- (Rupees Five Lakhs only).

The contractor shall in the joint names of the owner and contractor take insurance against loss or damage by fire, storm, tempest, lighting, flood, earthquake, aircraft or anything dropped there from, aerial objects, riot and civil commotion for the full value thereof all works executed and all unfixed materials and goods intended for delivery to and placed on or adjacent to the work, but excluding temporary building, plant, tools and equipment owned or hired by the contractor or any sub contractor and shall keep such work materials and goods so insured until virtual completion of the work. Such insurance shall be with insurer approved by the architect and the contractor shall deposit with the architect the policies and the receipts in respect of premiums paid and should the contractor make default in insuring or continuing to insure as aforesaid, the owner may himself insure against any risk with respect of which the default shall have occurred and deduct a sum equivalent to the amount paid by him in respect of premium from any monies due to or to become due to the contractor.

Without prejudice to his liability to indemnify the owner as above, the contractor shall maintain and shall cause any sub-contractor to maintain: Such insurance as are necessary to cover the liabilities of the contractor or as the case may be of such sub-contractor, in respect of personal injuries or deaths arising out of or in the course of or caused by the carrying out of the works.

36. LABOURLAW

The contract shall comply with all labour laws applicable including the Minimum Wages Act 1948 and Contractor Labour Act 1970. All liabilities arising out of non-compliance with Labour law will be borne by the contractor.

37. Arbitration:

Except where otherwise provided in the contract all questions and disputes relating to the meaning of the specifications, designs, drawings and instructions herein before mentioned and as to the quality or workmanship or materials used on the work or as to any other question, claim, right, matter or thing what so ever, in any way arising out of or relating to the contract, designs, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution or the failure to execute the same whether arising during the progress of the work or after the completion or the abandonment thereof shall be referred to the sole arbitration of the person appointed by the Chairman cum Managing Director of the Oriental Insurance Co. at the time of dispute. The arbitrator to whom the matter is originally referred, being transferred or vacating his office or being unable to act for any reason, such Chairman - cum Managing Director at the time of such transfer, vacations of office or inability to act shall appoint another person to act as arbitrator in accordance with the terms of the

contract. Such a person shall be entitled to proceed with the reference from the stage at which it was left by his predecessor.

Subject as aforesaid the provision of the latest Arbitration Act/Ordinance or any statutory modification or re-enactment thereof and the rules made there under and for the time being in force shall apply to the arbitration proceeding under this clause.

It is also a term of the contract that the party invoking arbitration shall specify the dispute or disputes to be referred arbitration under this clause together with the amount or amounts claimed in respect of each of such disputes.

It is also a term of the contract that if the contractor(s) do/does not make any demand for arbitration in respect of any claim(s) in writing within 90 days of receiving the intimation from the owner that the bill is ready for payment, the claim of the contractor(s) will be deemed to have been waived and absolutely barred and the Oriental Insurance Co. shall be discharged and released of all liabilities under the contract in respect of these claims.

APPENDIX TO CONDITIONS OF CONTRACT

DESCRIPTION OF WORKS	
1. Signing of Agreement	Within 7 days of issue of Work Order.
2. Quotation based on	Item Rate Tender
3. Total tender amount	Rs. _____
4. Date of commencement	After 7 days of receiving the award letter from the Employer.
5. Period of completion	120 days
6. Liquidated Damages	0.5% of contract amount per DAY to the maximum of 10% contract amount.
7. Period of final measurement	45 days from date of completion.
8. Earnest money	Rs .8,05,000/-
9. Value of interim certificate	Minimum Rs 40.0 Lacs
10. Retention amount	Earnest money shall be adjusted/merged with towards retention money.
11. Refund of retention money after Virtual completion	After defect liabilities period of 6 months, subject to all defects rectified by the contractor.
12. Income Tax deduction	As per prevailing rates from each bill.
13. Defects liability period	Six months after virtual completion.
14. Period of honoring certificate.	Fifteen days after architect's certificate for payment is received by employer.
15. Insurance Policy	1. Contractor's all risk policy for value of work as per agreement with extension of TP + owners surrounding property. 2. Workmen's Compensation Insurance.

For

For

(Signature of the Employer with Seal)

(Signature of the Contractor with Seal)

WITNESS

WITNESS

Signature of the Architect

WITNESS

SPECIAL CONDITIONS

1. OTHER DOCUMENTS REGARDING WORKS

- 1.1 The main contractor shall, before the commencement of the works, submit the certified copies of the valid and effective documents of the following:
- 1.2 Workmen's compensation insurance policy as specified in condition of the contract.
- 1.3 Contractor's all Risk Policy (C. A. R.) including Third Party risk coverage in consultation with the owner.
- 1.4 Organization Chart and the names of the particular person(s) responsible to execute the job at the work site – the one will regularly liaise with the Architect, Consultants/The Employer.

2. BAR CHART FOR WORK AND PROCUREMENT CHART

- 2.1 Stipulated time limit for completing the subject job will remain the essence of the contract. To ensure the same, the approved contractor on acceptance of the tenders, shall submit a detailed BAR CHART/WORKS PROGRAMME of the proposed activities and PROCUREMENT CHART of the required permanent material to be ordered, manufactured and/or to be brought at the work site, by the contractor. This Chart includes time for process of making sample and after same has been seen and approved by the Architect/Consultant/Employer, and time required for the overall uninterrupted progress and efficient monitoring of the various planned activities.

3. SAFETY PRECAUTIONS AND TEMPORARY ARRANGEMENTS

The following matters shall be deemed to have been included in the quoted rates in the Bill of Quantities and no further payments shall be made on these counts.

- 3.1 Tenderers are to thoroughly apprise themselves of the building site and its constraints of access and space for stacking material and equipment and shall make all arrangements necessary for effecting the works.
- 3.2 The contractors will take special care to ensure that no nuisance and hardships are caused, both to the Employer, their representatives and to the adjoining outlets of the other premises during the progress in execution of works.
- 3.3 Secure and safe access is to be provided to the other parts of the building on the ground and upper floors. Temporary partitioning, railing, cover arrangements for passages free of obstruction and generally clean shall be made as necessary.

- 3.4 Contractors shall be liable for making good any loss or damage caused by his agents to persons, goods or property of the Employer.
- 3.5 Temporary arrangements shall be made for ensuring continuity of the presently available services to the employer viz. Electricity, telephone, toilets, water supply etc.
- 3.6 Special precautions shall be taken, and suitable protective barricades and screens installed to ensure safety at street and pavement adjacent to the building.

All the passages, gates and the escape routes are to be kept free and open from any debris, stores, materials.

The Main Contractors shall provide sufficiently strong and guarded scaffolding for the free use by the other sister agencies working in the same section and full responsibility for stability and safety of such scaffolding for users and other parties shall be of the main contractor.

- 3.7 For all the welding and gas cutting items, an adequate number of portable FIRE EXTINGUISHERS will be kept available and handy at the work site.

SUPERVISOR

4. POSTING SITE SUPERVISOR.

At any given time, while the works are in the progress at the site, the main contractor shall always depute responsible site supervisor to ensure that the works are executed efficiently and promptly without causing any disputes, untoward incident and avoiding any possible accidents. The site supervisor shall be as approved by the Architect/ Employer and shall be responsible on behalf of the Main Contractor for receiving all necessary instructions, plans and for carrying out the execution of work on site.

5. RECORDING MEASUREMENTS.

The Main Contractor shall cooperate in recording and maintaining a regular M. B. Register, noting the details of the executed tender items and the approved extra items of works in due consultation with the Architect of the Employer.

- 5.1 Where it is not possible to take measurements for certain items, the contractor shall keep separate records of the materials actually. Consumed in the works together with the deployment details of the manpower etc. for the case of valuation and settlement of the rates, amounts of such unforeseen/extra items (in similar fashion as per the provision in 5.1)

6. SAFE STORAGE OF CONSTRUCTION MATERIALS.

The main contractor shall be given available site space with existing arrangements as available. However, the contractor shall use his good judgement and experience in deciding the priority and organizing the timely delivery, safe handling and storage of such permanent items. All fragile and "Handle with Care" items shall be properly stored and covered to avoid scratches and possible misuse all at contractor's risk.

7. OTHER CONTRACTORS

The following matters shall be deemed to have been included in the quoted rates in the Bill of Quantities and no further payment shall be made on these counts. The main contractor shall extend cooperation and provide space access and general safety and security for works by other contractors. He shall coordinate his activities in a manner to facilitate smooth and timely progress of works achieve timely completion of the project.

8. USE OF WATER AND ELECTRICITY

The main contractor shall be allowed to use an available quantity of water and electricity for construction. However, he has to install his own sub-meter and the consumption of the same shall have to be deposited with oriental Insurance Co. Ltd., as per the rules and regulations of Madhya Pradesh State Electricity Board. The contractor will however draw water/electricity from or designated central point with his own pipes, cables and distribution system through valves/switches including providing small water storage tank etc. without causing any spillage and misuse. However, in case of stoppage or breakdowns of electricity or water supply the contractor shall make alternative arrangements at his own expenses so as to ensure timely progress and completion of works.

9. AGENCY FOR ELECTRICAL INSTALLATIONS

All works are under Section III Electrical Services of the Bill of Quantities shall be carried out by licensed contracting agencies. The contractor shall submit with his tender the name of the agency and get approval from the Architect before starting the electrical and related works.

10. For electrical work, all necessary approvals formalities of M.P.E.B. Board and other Related Departments etc. shall be complied with and obtained where necessary by the Main Contractor.

11. All plumbing/drainage work shall be carried out through a licensed Plumbing contractors/engineer and as per Local/Municipal Corporation Rules, Acts. All necessary approvals, formalities of the MCD and other authorities, departments etc. shall be complied with by Main Contractor.

APPROVED MAKE LIST

S. NO.	Item / Material	Make / Manufacturer
1.	Acoustical Panelling	Anutone, Celenit, Acoustics India And, Anakon , Hunter Douglas
2.	Acoustical False Ceiling	Anutone, Celenit, Acoustics India And, Anakon
3.	Admixture For Water Proofing Work	Myk Arment, Kryton , Tremco Cpg
4.	Aluminum Accessories And Hardware	Classic/ Crown /Ebco /Earl Bihari/Argent
5.	Aluminum Die-Cast Handles & Two Point Locking Kit	Giesse / Securistyle / Alu – Alpha
6.	Aluminum Extrusion Sections	Hindalco / Jindal / Otic/Sonic
7.	Anchor Fastener /Dash Fastener	Hilti / Fischer /Bosch
8.	Anti-Termite Treatment Agency (Pre-Construction And Post Construction	Bayer (Premise) Approved By Igbc Certified Imida Clopid 30.5%
9.	Backup Rod	Supreme Industry Or Equivalent
10.	Ballcock	Sant / L&T/Audco /Gpa
11.	Ball Valves With Floats	Zoloto / Leader / Sant/ Audco/Gpa
12.	Cement	Acc/ Ultra Tech/Jk Cement/ Ambuja/ Lafarge
13.	Cement: White	Birla White / Jk Or Equivalent
14.	Clear Glass /Clear Float Glass/	Saint-Gobain (Sg), Guardian Sun guard, Asahi India Safety Glass Ltd
15.	Toughened Glass	Saintgobain(Sg), Guardian Sunguard Asahi India Safety Glass Ltd
16.	Cover / Spacer Block	Conbextra As Manufactured By M/S Fosroc Chemicals India Ltd. Or Equivalent
17.	Curtain Rod/ Drapery Rod/ Venetian Blinds	Hunterdouglas, Graber,Lutron
18.	Window Blinds	Hunter Douglas, Graber,Lutron
19.	Door: Flush Door	,Greenply, Sonear
20.	Door: Pvc Door	Sintex/ Polyex/ Rajshri
21.	Door: Frp Door	Hicon/ Navair/Sukriti
22.	Door: Acoustical Wooden Door	Samceil ,Anakon / Navair

23.	Door Closer/Floor Spring	Dorma, BACKER FS , Ozone
24.	Door Locks	Dorma, BACKER FS , Ozone
25.	Door Seal	Anand Reddiplex, Ozone, Dorma
26.	Doors & Windows Fixtures/ Fitting.	Dorma / BACKER FS / Ozone
27.	Automatic Door /Hydraulic Door Closer / Floor Spring	Dorma, BACKER FS, Ozone
28.	Door Fittings	Dorma, BACKER FS, Ozone
29.	Expansion Joints	Tremco Cpg , Vexocolt, Vedafrance, Myk Arment
30.	Gypsum Plaster	Bulwark, Jk, Tremco Cpg
31.	Gypsum board/Gypsum false Ceiling/ Gypsum Partitions	Usg-Knauf Gypsum, Aerolite, Samceil
32.	Calcium Silicate Board / Tiles	Aerolite, Samceil, Anakon
33.	False ceiling–Metal /Aluminum/Puff	Hunter-Douglas , Aerolite , Anakon
34.	Mineral Fiber Ceiling	Hunter Douglas, Usg Knauf, Aerolite, Samceil, Anakon
35.	Carpet Flooring	Carus,Shanhua,Rosetta
36.	Flooring: Pvc	Vibrant, Forbo ,Gerflor
37.	Vinyl Flooring	Gerflor, Nora Floor, Anakon
38.	Flooring: Wooden Flooring	Kaindl, Pergo, Inovar, Span
39.	Glass Wool/Insulation Boards	Rockwool / Up Twiga / Lloyd Insulation
40.	Glass Partition System	Dorma, Allegion, Ozone
41.	Grout:Non-Shrink	Kryton, Krystol Water Stop , Myk Arment
42.	Grouting Compound	Kryton, Myk Arment, Tremco Cpg
43.	Laminates/Veneers	GLAZE, MAKERS, AMULYA
44.	High Pressure Laminates	GLAZE, MAKERS, AMULYA
45.	Logo, Sign, Nameplates	D- Line/ Sign Sutra/Prolite
46.	Melamine Polish	Ici Dulux, Timberstone Melamine Coating
47.	Modular Grab Bars And Disabled Hardware	Dorma, Allegion, Ozone
48.	Modular Ss Railing System	Dorma, Allegion, Ozone
49.	Paints- Cement Based	Berger, Kamdhenu, Nerolac
50.	Paint– Fire Retardant	Viper Frs 881/ Nullifire

51.	Paints- Epoxy Paint	Berger, Kamdhenu, Nerolac
52.	Paints-Oil Bound Distemper	Natraj/Kamdhenu(Tractor)/Berger
53.	Acrylic Washable Distemper	Nerolac(Superacrylic)/Kamdhenu
54.	Paints-Other Paints/Primer	Icidulux/Berger/Nerolac/Kamdhenu
55.	Paints-Acrylic Emulsion Paint	Icidulux/Berger/Nerolac/Kamdhenu
56.	Plywood / Blockboard /Plyboard	ARCHITICK BY ARCHID ,MERDIA ,MAKERS
57.	Pre-Laminated Particle Board	AMULYA ,GLAZE ,MAKERS
58.	Reinforcement Steel/Structural Steel	Sail./Jindalsteel./Amba Shakti
59.	Sealant: Poly-Sulphide	Tremco Cpg / Fosroc / Myk Arment
60.	Silicon Sealants/Weather Sealant/Structural Glazing Sealant	Ge- Silicon / Pidilite / Forsoc / Cico
61.	Stainless Steel	Salem Steel/Jindal / Amba Shakti
62.	Structural Steel Sections	Sail, Vizag, Tata, Amba Shakti
63.	Stainless Steel D-Handles	Dorma, Allegion, Ozone
64.	Stainless Steel Friction Stay	Earl Bihari / Securistyle / Ebco
65.	Stainless Steel Hinges	Dorma ,Allegion, Ozone
66.	Tiles: Ceramic Tiles	Johnson/Somany/ AGL
67.	Tiles:Glazed (Ceramic)Tiles	Johnson/Somany/ AGL
68.	Tiles:Vitrified Tiles (Double/ Multi Charged)/Germ Free	Johnson/Somany/ AGL
69.	Tiles: Anti Skid Tiles	Johnson/Somany/ AGL,
70.	Veneered Particle Board	ARCHITICK BY ARCHID ,MERDIA ,MAKERS
71.	Wall Putty	J.K/Birla/Natraj
72.	Water Proofing Materials	Kim(Krystol Internal Membrane), Tremco Spg, Myk Arment
73.	Furniture	New look (Nlf) , Impreession, Geeken
74.	Rebarring Chemical	Hilti
75.	Sanitary Fixtures	Johnson, Jaquar, Hindware
76.	Concealed Cistern	Johnson, Jaquar, Hindware
77.	Sink	NIRALI, CARYSILL, HAFELE
78.	Wc Connector	Johnson, Jaquar, Hindware
79.	Auto Urinal Flush System	Johnson, Jaquar, Hindware

80.	Hand Drier	Johnson, Jaquar, Hindware
81.	Cp Fittings	Johnson, Jaquar, Hindware
82.	Floor Drain Fixture, High Speed Channels & Ss Gratings	Kessel, Aco, Viega, Chilly
83.	Upvc Pressure Pipes and Fittings (Is:4985)	Sfmc, Ashirvad, Astral
84.	Cpvc Pipes and Fittings	Sfmc, Ashirvad, Astral
85.	Brass Ball Valves	Cim, Danfoss, Castle, Willo, Sant
86.	Drinking Water Cooler/Ro Plant	Bluestar, Ion Exchange, Eureka Forbes
87.	Building Internal	
88.	Wiring	
89.	Steel Conduit & Accessories	Rmcon /Steel Kraft /Bec
90.	Pvc Conduit & Accessories	Sfmc/ Polycab / Kt Industries
91.	Wires	RR KABLE / POLYCAB / RELEMAC
92.	Modular Switches & Sockets, Bell Push & Buzzer, TV, Data & Telephone Outlets, GI Modular Boxes And Cover Plate	LEGRAND(ARTEOR)/L&T/VIHAN
93.	Industrial Switches & Sockets	Legrand/L&T
94.	Flameproof Switches & Sockets	Sudhir/ Mennekes
95.	Light Fixtures	Signify (Philips) / Vihan / Kesslec Lighting Technology
96.	Ceiling Fans	Anchor Panasonic/ Crompton/Orient
97.	Exhaust Fans	Anchor Panasonic/ Crompton/Orient
98.	Tv Cable	Rr Kable / Polycab / Relemac
99.	Cat-6 A Wire	Rr Kable / Polycab / Relemac
100.	Distribution Boards	
101.	Distribution Board Enclosure with Links, Loose Wire Box, Blank Plate	L&T/Vihan/Schneider
102.	MCB, RCCB, RCBO	L&T/Vihan/Schneider
103.	MCCB	L&T/Vihan/Schneider
104.	Lt Cables , Terminations &	

	Cable Management	
105.	LT Cables (1.1kv Grade) (Power And Control)	RRKABLE / FINOLEX / RELEMAC
106.	Lugs & Glands	Comet/Cell Pack/Axis/ Jainson/ Dowell
107.	Fire Survival Cables	Polycab/RR Kable/ Havells / Relemac
108.	Cable Trays & Accessories	Obo/Profab/Mem/ Vinayak Engineering Projects
109.	Raceways & Accessories	Obo/Profab/Mem/ Vinayak Engineering Projects
110.	Earthing	
111.	Earthing System	Cape/Obo/Axis
112.	Lightning Protection	
113.	Lightning Protection System	Cape/Obo/Axis
114.	Fire Alarm & Public Address	
115.	Fire Alarm System	Notifire /Bosch/ Gamewell
116.	Public Address System	Ateis (I /C) /Harman/ Bosch
117.	Fire Survival Cables	Polycab /Rr Kable/ Relemac
118.	Speaker Cables	Polycab / Rr Kable / Bonton /Sky ton
119.	Lt Panels	
120.	Lt Panels	L&T/Siemens/Legrand/Vinayak Engineering Projects
121.	Acb	L&T/Siemens/Legrand
122.	Mccb	L&T/Siemens/Legrand
123.	Meters	L&T/SIEMENS/LEGRAND
124.	Relays	LEGRAND/L&T/EATON
125.	Current Transformer & Potential Transformers	Schneider/Gilbert & Maxwell /Ae /Newtek
126.	Surge Arrester	Cape/Obo/Axis/Dehn
127.	Contactors	L&T/SCHNEIDER/SIEMENS
128.	Motor Starters	L&T/Schneider/Siemens
129.	Indication Lamps	Legrand/L&T/Eaton
130.	Push Buttons	Legrand/L&T/Eaton
131.	Terminal Strips	Elmex/ Connect well
132.	Changeover Switch	L&T/ Siemens/ Schneider

133.	Mpcb	L&T/Schneider/ Siemens
134.	Control MCB	L&T/SCHNEIDER/ SIEMENS
135.	Control Fuse	L&T/ Siemens/Schneider
136.	Selector Switch	Legrand/L&T/Conserv
137.	Plc	L&T/ Schneider /Siemens
138.	Annunciation Window	Mimic/Synergy/Gic/Selec
139.	Hooter	MIMIC/ SYNERGY / SELEC
140.	Ups	
141.	Ups System & Accessories	Apc/Mitsubishi/Numeric
142.	Isolation Transformer	Beldon/ Datsons
143.	Battery & Accessories	Amaraja /Exide / Rspower
144.	Cctv Sytem	
145.	Ip Ptz Camera	Tyco/Honeywell/ Cp Plus
146.	Ip Fixed Cameras - Bullet/ Box	Tyco/Honeywell/ Cp Plus
147.	Ip Dome Cameras	Tyco/Honeywell/ Cp Plus
148.	Ip Anpr Cameras	Tyco/ Honeywell/ Cp Plus
149.	Recording Software / Nvrsoftware	Tyco /Honeywell/ Cp Plus
150.	Video Management System Software	Tyco /Honeywell/ Cp Plus
151.	Video Analytics Software	Tyco /Honeywell/ Cp Plus
152.	Anpr Software	Tyco /Honeywell/ Cp Plus
153.	Cctv Recording Server –Storage / Nvr/ Nas	Honeywell / Dell /Hp/ Cp Plus
154.	Video Management Server	Honeywell / Dell /Hp/ Cp Plus
155.	Video Analytics & Anpr Server	Honeywell / Dell /Hp/ Cp Plus
156.	Fixed Client Workstation	Honeywell / Dell /Hp/ Cp Plus
157.	EPABX &Telephony	Cisco/ Alcatel Lucent/ Corel
158.	Hvac	
159.	Vrv / Vrf Ac System	Daikin/ Mitsubishi / O'general
160.	Chilled Water Cassettes:	Daikin / Kubic-Midea / Mitsubishi
161.	Chilled Water Fancoil Units	Daikin / Kubic-Midea / Mitsubishi
162.	Split Ac Units	Daikin / Mitsubishi / Bluestar

163.	Motors	Siemens / Abb / Hindustan / Havells
164.	Inline Fans	Nicotra / Pineair / Kruger
165.	Propeller Fans	Khaitan / Crompton / Marathon
166.	Ball Valves	Rapidcontrol / Castle / Cim
167.	Pipes (Ms/Gi)	Apl Apollo / Prakash / Surya
168.	Pipe Insulation (Expanded Polystyrene)	Beadsell / Styrene / Perfect Pack
169.	Refrigerant Piping(Copper)	Rajco / Karan Metals /Mandev
170.	Duct & Refgt. Piping Thermal Insulation Closed Cell/Cross Linked Elastomeric / Polyethylene Foam	Armaflex / Aeroflex / Aero Foam / K Flex
171.	Duct Hangers	Dobygrip / Eazyflex – Zip Clip / Gripple
172.	Digital Thermometer	Johnson / Seimens / Honeywell
173.	Pressure Gauges	H.Guru / Fiebeg / Marsh / Emerald
174.	Aluminium Grilles /Diffusers	Servex / Systemair / Airflow / Fan Air
175.	Copper Wires	Polycab / Kei / Havells / R.R.Kable
176.	Fire Fighting Works	
177.	Butterfly Valves	Sbj (Aaag), Kirloskar, Zoloto, Kartar
178.	Ball Valves	Sbj (Aaag), Cim, Zoloto
179.	Gate Valves	Sbj (Aaag), Kirloskar,, Zoloto , Castle
180.	Flow Switch	Potter, Hd , System Sensor, Wika
181.	Pressure Gauge	Eversafe ,H.Guru ,Fiebig ,Waree , Wika
182.	Portable Fire Extinguisher	Eversafe, Kalpex,Minimax,Ceasefire
183.	Flexible Hoses	Sbj (Aaag), Minimax
184.	Sprinkler And Accessories	Sbj (Aaag), Minimax

ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE ESTIMATES FOR PROPOSED CIVIL WORKS AT INDORE					
S.NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
1	WOODEN FLOORING (DGM Cabin & Reception): Providing and fixing 8mm and above thick laminated (wooden flooring) of AC4 and above grade product of approved made out of core high density fibre board (HDF), surface layer shall be high pressure laminated treated for abrasion, scratch, moisture protection, flame protection U.V resistant, layer of acrylic resin, aluminium oxide or similar layer having above properties, backing under layer on min 2 mm thickness shall provide as sound absorbent and moisture protection layer, The seamless impregnated decorative layer of specified size, design, colour and pattern, all bonded together under high temperature and pressure with eco-friendly. The material shall be applicable warranty formaldehyde free, ecofriendly and fully recyclable (eco-freindly) and matching shed and excluding quantity of skirting and profile.	563	Sq.ft.		-
2	FLOORING: Providing and laying digital print random design(PGVT)/(GVT) vitrified tiles in different sizes with water absorption less than 0.05% and conforming to IS:15622 of approved make in all colours& shades, 1st quality / premium in floor and skirting, laid our 12mm thick cement mortar 1:3 including grouting the joints with white cement and matching pigments etc. complete Size 600X600 mm thickness 9-10 mm	8000	Sq.ft.		-
3	TOILET FLOORING: Providing and laying vitrified floor-tiles Full Body Design Homogenous Body matt/rustic finish in different size with water absorption less than 0.05% and conforming to IS:15622 of approved make in all colours& shades, 1st quality/ premium quality in flooring laid on 20mm thick cement mortar 1:4(1cement :4sand) including grouting the joints with epoxy of approved shade and matching pigments etc. complete as per approved shade. (a) Toilets: Size 300X300 mm thickness 9-10 mm	300	Sq.ft.		-
4	TOILET AND PANTRY WALLS: Providing and laying digital print random design(PGVT)/(GVT) vitrified tiles in different sizes with water absorption less than 0.05% and conforming to IS:15622 of approved make in all colours& shades, 1st quality/ premium quality including grouting the joints with epoxy of approved shade etc. complete for wall polished / Glossy finished laid on 12mm thick cement mortar 1:3 (1 cement:3sand)prepared same day when mortar is still green i.e. within 6 hours, Size 300X600 mm thickness 9-10 mm	2500	Sq.ft.		-
5	European WC: Providing and fixing white vitreous china European Wall hung Anti germ Fluoro-Polymer Coated water closet of approved shape with soft closing seat cover, and 7.2 litre Low level slim dual flushing, PP (Poly Propylene) made 80 mm thick concealed flushing cistern, flushing capacity 3 litre/6 litre, with all fittings and fixtures complete including cutting and making good the wall and floors wherever required. Anti germ Fluoro-Polymer Coated (Nano coating) Wall hung water closet size 360 x 535 x 380mm or greater size with solid poly propylene made, soft closing seat cover (Premium Range)	5	Each		-
6	WASH BASIN : Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require :Oval shape wash basin over counter /under counter with 15 mm C.P brass pillar tap (Counter to be paidsepraty).	7	Each		-
7	URINAL: Providing and fixing white vitreous china flat back Anti germ fluoro-polymer coated urinal (Inbuilt spreaders, bottle trap and ceramic waste coupling) with 15mm brass pressmatic auto closing concealed urinal flush valve with wall flange (decol technology, 400000 operation warranted) i/c cutting and making good the wall and floors wherever required, all fittings and fixtures etc. complete. White Vitreous China Anti germ Fluoro-Polymer Coated Urinal Size 670 X 330 X 325 mm. (Premium Range)	5	Each		-
8	URINAL PARTITION STONE: Providing and fixing stone slab table rubbed on both faces edges rounded and polished of size as required and 1.8 cm thick fixed in urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1 cement: 2 sand: 4 graded stone aggregate 6 mm nominal size) as per direction of Engineer-in- charge and finished smooth. Granite Stone of approved shade.	40	Sq.ft.		-
9	P&F health faucet for W.C. (Jaguar: ALD 573)	5	Each		-
10	ROLL HOLDER: Providing and fixing in position best India n C. P. Brass made (0.3 micron Chrome and 10 micron Nickel plated) Toilet Roll Holder. (Premium Range)	5	Each		-
11	SHOP DISPENSER: Providing and fixing in position best Indian C. P. Brass made (0.3 micron Chrome and 10 micron Nickel plated) Soap Dispenser with Metallic Bottle. (Premium Range)	6	Each		-
12	HAND DRYER: Providing and fixing hand dryer smart flow (Jaguar: HDR-WHT-M04A)	3	Each		-
13	ANGLE VALVE: Providing & Fixing angle valves with Flanch (Jaguar: FLR 5053N)	14	Each		-
14	BIB COCK: Providing and fixing in position best Indian (bonut size 24mm, ceramic disc size 19mm and min. body thickness 2mm, nickel plating 0.10 micron and chrome plating 0.3 micron, quarter turn) 2- way Bib Cock .(Premium Range)	5	Each		-
15	BOTTLE TRAP: Providing & Fixing Bottle Trap for wash basin. (Jaguar: 769L 300x190)	7	Each		-
16	Providing & Fixing Cockroach Trap.	9	Each		-

S.NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
17	KITCHEN PLATFORM: Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills , facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish wherever required etc. complete at all levels. samples approved by Engineer-in-charge.Granite fine grained dark crystal of other colours and various patterns	17	Sq.ft.		-
18	KITCHEN SINK: Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :Kitchen sink with drain board 510x1040 mm bowl depth 200mm.	1	Each		-
19	SINK COCK: Providing and fixing in position best Indian, quarter turn wall mounted sink cock (bonut size 24mm, ceramic disc size 19mm and min. nickel plating 0.10 micron and chrome plating 0.3 micron). (Premium Range)	1	Each		-
20	TOWEL RING: Providing and fixing in position best Indian C. P. Brass made (0.3 micron Chrome and 10 micron Nickel plated) Single Towel Ring Square. (Premium Range)	4	Each		-
21	Providing & Fixing mirror over wash basin	5	Each		-
22	WATER COOLER: Supply, installation, testing & commissioning of skid mounted fully Automatic Reverse Osmosis of output capacity 40 LPH with appropriate thickness designed at a minimum Flux at inlet and necessary recovery: With Centralized Water Coolers of SS 304 MOC with 80 LPH cooling capacity with inbuilt storage (Minimum 100Ltr.) capacity as per system with insulation of required thickness & of appropriate material and with power supply of 220/ 230+/-10% volts, 1 phase 50 Hz A.C. supply	1	Each		-
23	CPVC PIPE: Providing & Fixing CPVC Pipe 32mm With accessories in complete toilet including bend, socket, nipples. elbow. union, concealed stop cock, cross tees, etc. complete from overhead tank to Toilet .	330	R.ft.		-
24	PVC PIPE: Providing & Fixing PVC Pipe With accessories in complete toilet including bend, socket, nipples, elbow. Union, nanhi trap , cross, tees etc. Complete for drainage & connecting to existing available outlet.. Rate to include PCC on drainage pipe.	350	Rft.		-
25	BRICKWORK: Brickwork 10cm thick with well burnt chimney bricks in bull patent trench manufactured by ghol process crushing strength not less than 40kg / sq.cm. and water absorption not more than 15% in cement mortar 1:4. Rates including scaffolding & curing complete.	2000	Sq.ft.		-
26	PLASTERING: 15mm thick cement plaster in 1:4. Rates including scaffolding & curing complete.	4000	Sq.ft.		-
27	ACRYLIC EMULSION PAINT: Applying one coat of cement premier and applying two or more coats of Acrylic emulsion Royale, Velvet touché to be applied including one/two coat of Birla Putty property sand papered to give a neat smooth & silky finish, the cost shall include all materials, labor etc.	9600	Sq.ft.		-
28	SYNTHETIC ENAMEL PAINT: Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.Synthetic enamel paint over a under coat	200	Sq.ft.		-
29	Filling in floor with brick bat & consolidating the surface.	80	Cu.ft.		-
30	Providing & laying mechanically mix cement concrete with crush stone aggregate (40mm) in plinth M-15 grade.	70	Cu.ft.		-
31	ALUMINIUM WORK: Providing and fixing aluminium work for windows & ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :Powder coated aluminium (minimum thickness of powder coating 50 micron.For shutters of doors, windows and ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings whereverrequired including the cost of Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item) :With float glass panes of 5.0 mm thickness (weight not less than 12.50 kg/sqm).	1950	Sq.ft.		-

S.NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
31	Providing and fixing false ceiling at all heights with 15 mm thick integral densified tegular edged non cementitious light weight calcium silicate false ceiling tile reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm of approved texture, design and patterns having NRC (Noise Reduction coefficient) of 0.50 (minimum) as per IS 8225:1987, Light reflectance of 85% (minimum). Non combustible as per BS:476 (part 4), fire performance as per BS:476 (part 6 & 7), humidity resistance of 100%, thermal conductivity < 0.043 W/m K as per ASTM 518:1991, in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanised iron section of 0.33mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanised mild steel items galvanizing @ 80 grams per sqm) i.e. 50 mm long, 8 mm outer diameter M 6 dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 85x25x25x2 mm. Galvanised iron perimeter wall angle of size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws. The work shall be carried out as per specifications, drawing and as per directions of the Engineer-in-Charge.	2674	Sq.ft.		-
32	FALSE CEILING (Gypsum board) P&F suspended false ceiling which includes providing & fixing gyp steel G.I. perimeter channel, intermediate, suspending G.I. intermediate channels from top with ceiling angle of size 25x10x0.55mm thick fixed to top with G.I. cleats & steel expansion fasteners. GRG 12.5mm tapered edge gyp board metalized polyester back (conf. IS : 2095-1982) is then screwed. The false ceiling will have provision for concealed lights. Finally the boards are to be jointed & finished so as to have a flush look which includes filling and finishing the tapered square edges of the board and levelling the surface with 4mm gypsum veneer plaster & gypsum top coat finally finish the surface with coat of primer suitable for gypsum board. False ceiling shall be painted with lustre paint roller finish. (Measurement: For Vertical drop exposed height will only be considered.)	2850	sq.ft.		-
33	FLUSH DOORS: Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid plain flush door shutter of required size comprising of virgin polymer of K value 58-60	168	Sq.ft.		-
	TOTAL (A)				-
	Dismantling & Repair Work				
34	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete to match existing surface i/c disposal of mulba/ rubbish as directed by Engineer-in-charge. For door/ window/ clerestory window.	50.00	Sqm		-
35	Rebaring of TMT bars by drilling hole & embedding bars of different diameter using epoxy grouting compound including all tools and tackles complete.				
	8 mm dia bar 10 mm dia hole	50.00	Per 100 mm		-
	10 mm dia bar 12 mm dia hole	50.00	Per 100 mm		-
	12 mm dia bar 16 mm dia hole	50.00	Per 100 mm		-
	16 mm dia bar 20 mm dia hole	50.00	Per 100 mm		-
	20 mm dia bar 25 mm dia hole	50.00	Per 100 mm		-
	25 mm dia bar 32 mm dia hole	50.00	Per 100 mm		-
36	Drilling suitable holes in reinforced or plain cement concrete with power driven drill machine to a minimum depth of 100mm upto 200mm in RCC beams, lintels, columns and slabs to introduce steel bars for sunshades/balconies including fixing the steel bars in position using epoxy resin anchor grout of approved make but excluding the cost of reinforcement, all complete as per direction of Engineer-In-Charge.				
	Upto and including 12mm dia	100.00	metre		-
37	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.	20.00	Cum		-
38	Extra for scrapping, cleaning and straightening reinforcement from R.C.C. work.	200.00	Kg		-
39	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
	In lime mortar				
	In cement mortar	20.00	Cum		-
40	Dismantling tile/ Kota stone/ Marble / Granite work in floors/walls and roofs laid in cement mortar including stacking material within 50 metres lead.				
	For thickness of tiles 10 mm to 25 mm.	50.00	Sqm		-
41	On Old work Wall painting by any mechanical or manual means with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required, to achieve even shade and colour.	100.00	Sqm		-

S.NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
42	On Old work Finishing walls by only mechanical or manual means with textured exterior paint of required shade: New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including priming coat of exterior primer applied @ 2.20kg/10 sqm.	100.00	Sqm		-
43	On Old work Finishing walls by any mechanical or manual means with Acrylic Smooth exterior paint (Economy Exterior) of required shade including all scaffolding. (Two or more coat applied @ 1.67ltr/10sqm over and including one coat undiluted exterior waterproofing coating @ 2.39 litre/10 sqm with crack bridging ability of upto 0.5mm on horizontal surfaces with an elongation of 150% and water proofing of upto 3 bars on vertical surface	100.00	Sqm		-
44	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. Complete and stacking within 50 metres lead :				
	Of area 3 sq. metres and below	12.60	Each		-
	Of area beyond 3 sq. Metres	10.50	Each		-
45	Dismantling steel work in built up sections with span upto 10 meter and hieght 5 meter in angles, tees, flats and channels including all gusset plates,bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50metres lead.	200.00	Kg		-
46	Dismantling aluminium/ Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-Charge	500.00	Sqm		-
	Total (B)				-
	Grand Total (A+B)				-

ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE SCHEDULE OF ITEMS FOR ELECTRICAL WORK AT INDORE					
S.NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
	SUBHEAD I (POINT WIRING)				
	The rates for the point wiring shall include providing and fixing of following:				
a.	Wiring of the point of any length from distribution board to point outlet excluding circuit wiring.				
b.	Earthing of all switch box and all outlet boxes fittings, fans, 3rd pin of plug with 1.5mm copper wire.				
c.	Modular Switch/Sockets of Standard make with necessary modular series cover plate and MS boxes.				
d.	Embedding all conduits in walls laying in slabs, above false ceiling or in floors including all accessories as required, cutting & refilling the chases with cement mortar.				
1	LIGHT POINTS: (FRLS Fire Retardant Low Smoke wire/ cable) Wiring for light points with 2 x 1.5sq.mm.PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe/ casing capping as required including 6 amp switch (modular) i/c of box, base plate & cover plate & making all connections complete. Rate also includes cutting chaises and making good the surfaces wherever required.	200	Each		-
2	LIGHT PLUG POINTS: (FRLS Fire Retardant Low Smoke wire/ cable) (FOR WALL FANS) Wiring for light plug points with 2 x 1.5sq.mm.PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe/ casing capping as required including 6 amp switch & 5 pin 6 amp socket (modular) i/c of box, base plate & cover plate & making all connections complete. Rate i/c cutting chaises and making good the surfaces wherever required.	70	Each		-
3	6 AMP. POINTS ON SAME BOARD: (FRLS Fire Retardant Low Smoke wire/ cable) Supply, fixing and commissioning of 1 No 6A multi Socket with 1 No. 6A switch (Modular type) with cover plate, sheet steel box / PVC modular box etc on surface / concealed manner i/c electrical connections and making good all the damages, painting, cleaning the site etc. complete as required.	50	Each		-
4	P&F ceiling fan point i/c of step regulator & switch.	4	Nos.		-
5	P&F bell point i/c of bell.	5	Nos.		-
6	16 AMP POWER POINTS: (FRLS Fire Retardant Low Smoke wire/ cable) Wiring for power points with 2 x 4.0 sq.mm. + 1 x 2.5 sq.mm. PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe/ casing capping as required including 16 amp switch & socket (modular) i/c of box, base plate & cover plate & making all connections complete. Rate also includes cutting chaises and making good the surfaces wherever required. (wiring from main DB to point & appropriate MCB on Main DB)	70	Each		-
7	CIRCUIT WIRING: (FRLS Fire Retardant Low Smoke wire/ cable) Wiring for light circuit with 2 x 2.5sq.mm + 1 x 1.5 sq.mm PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe/ casing capping as required & making all connections complete. Rate also includes cutting chaises and making good the surfaces wherever required.	40	Each		-
8	A.C. POINTS: (FRLS Fire Retardant Low Smoke wire/ cable) Wiring for Air conditioner points with 2 x 4.0sq.mm + 1 x 4.0 sq.mm PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe/ casing capping as required including metra plug & socket with 20 Amp SP MCB & making all connections complete. Rate also includes cutting chaises and making good the surfaces wherever required.	26	Each		-
9	TELEPHONE POINT: Installing, testing & commissioning of telephone point to be done with 2 pair of 0.61 mm copper wire conductor in 2mm thick PVC pipe of required size from telephone DB to individual point with telephone outlet socket RJ 11 (jack type) with box & cover plate.	50	Each		-
10	50 pair tag block. Supply, installation testing and commissioning of telephone tag block krone connector with enclosure complete as mentioned below :-	1	Each		-

S.NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
11	Supply, installation testing and commissioning of High-Speed HDMI corrosion-resistant connector & braided cable, Supports Ethernet, 3D, 4K video, computers and other HDMI-enabled devices Black as required to complete the job as mentioned below :-				
	10 Metre, HDMI cord	4	Each		-
12	Supply and erection of hot dip G.I. cable tray perforation not more than 17.5% for specific dimensions along with tees, bends. The cable tray shall be hang from ceiling/ fixed to wall with necessary angle/flat iron/hanging rod, for ceiling suspensions, clamp, anchor fastener, nuts, bolts, washers, not more than 1.0 mtr. apart complete as per specification to complete the job. The tray shall be as follows :- 450 x 50 x 2 mm thick	115	R.M.		-
13	Supply, installation, testing and commissioning of EPABX system consist, no. of extension, no of junction, no. of expandable eport, operating console, current on max. load with ISDN compatible of approved make and labor as required as per specifications.				
	EPABX system consists of 16 nos. extensions, 8 nos of junction & upto 64 nos. of expandable eport, with one operating console, 1.35 Amp max. current	1	Each		-
14	Supplying & fixing float cum boost charger for EPABX system of approved make with all necessary material as required as per specifications.				
	10 Amp 48 V float cum boost charger	10	each		-
15	Supplying, fixing essential additional accessories to EPABX system of approved make with all necessary material as required as per specifications.				
	EPABX E-1 card	1	Each		-
16	R-2 TWT card	1	Each		-
17	Hot standby card	1	Each		-
18	EPABX-operator console	1	Each		-
19	4 push button CLI phone	7	Each		-
20	MAIN DISTRIBUTION BOARD: (FRLS Fire Retardant Low Smoke wire/ cable) Design, manufacturing, supplying & commissioning of 1.6 mm thick MS sheet fabricated cubicle type, wall / floor mounted fully/ partly recessed with dust proof hinged and lockable doors, brass cable glands for incoming & out going connections with inter connections with copper wires, earthing & painting including HRC fuses, Volt meter, Ammeter, Phase selector switch, CTs, back up fuses, toggle switches including earthing all components. Rates to include: Incoming : 250 Amp TP MCCB = 1 no. 250 Amp Copper bus bar = 2 set 100 Amp changeover switch (HRC fuse) = 1 no. Outgoing: 63 Amp TP MCB = 3 no. 40 Amp DP MCB = 2 no.	1	Each		-
21	DISTRIBUTION BOARD: (Light) (FRLS Fire Retardant Low Smoke wire/ cable) Design, manufacturing, supplying & commissioning of 1.6 mm thick MS sheet fabricated cubicle type, wall / floor mounted fully/ partly recessed with dust proof hinged and lockable doors, brass cable glands for incoming & out going connections with inter connections with copper wires, earthing & painting . Rates to include: 63 Amp TP MCB = 1 no. 63 Amp Copper bus bar = 1 set 6-32 Amp SP MCB = 40 no.	1	Each		-
22	DISTRIBUTION BOARD: (Power) (FRLS Fire Retardant Low Smoke wire/ cable) Design, manufacturing, supplying & commissioning of 1.6 mm thick MS sheet fabricated cubicle type, wall / floor mounted fully/ partly recessed with dust proof hinged and lockable doors, brass cable glands for incoming & out going connections with inter connections with copper wires, earthing & painting . Rates to include: 100 Amp TP MCCB = 1 no. 100 Amp Copper bus bar = 1 set 6-32 Amp SP MCB = 70 no.	1	Each		-

S.NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
23	DISTRIBUTION BOARD: (A.C.) (FRLS Fire Retardant Low Smoke wire/ cable) Design, manufacturing, supplying & commissioning of 1.6 mm thick MS sheet fabricated cubicle type, wall / floor mounted fully/ partly recessed with dust proof hinged and lockable doors, brass cable glands for incoming & out going connections with inter connections with copper wires, earthing & painting . Rates to include: 100 Amp TP MCCB = 1 no. 100 Amp Copper bus bar = 1 set 6-32 Amp SP MCB = 6 no. 32Amp TP MCB = 26 no.	1	Each		-
24	UPS INCOMING:(FRLS Fire Retardant Low Smoke wire/ cable) P&F 2 way SP & N DB with 40/ 63Amp DP.	10	Nos.		-
25	UPS OUTGOING:(FRLS Fire Retardant Low Smoke wire/ cable) P&F 12 way SP&N DB with 10nos. 6-10 Amp SP MCB controlled by 40/63 Amp DP MCB.	8	Nos.		-
26	UPS POINTS:(FRLS Fire Retardant Low Smoke wire/ cable) Wiring for UPS points (computer wiring) with 2 x 1.5sq.mm + 1 x 1.5sq.mm PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe/ casing capping as required including 3 no. 6 amp switch & 3 nos. 5 pin 6 amp socket (modular) with fuse & indicator i/c of box, base plate & cover plate & making all connections complete. Rate also includes cutting chasis and making good the surfaces wherever required.	90	Each		-
27	UPS WIRING:(FRLS Fire Retardant Low Smoke wire/ cable) Wiring with 4 x 10 sq.mm PVC insulated copper conductor wire of 650/1100 volts grade in concealed / exposed PVC pipe casing capping as required including making all connections. Rate also includes cutting chasis and making good the surfaces wherever required. Main Panel To UPS Room	100	R.M.		-
28	COPPER PLATE EARTHING: Copper plate earthing with 600x600x3mm copper plate with 40mm dia G.I. pipe, 12mm dia G.I. pipe, C.I. cover, bend, brass nut, bolts, washers, making 3 to 4m deep hole 0.9M dia, making haudi with bricks, cement sand etc. filling haudi with charcoal & salt all complete.	2	Each		-
29	COPPER STRIP: P&F 25x3mm copper earth strip from earth plate to UPS.	100	R.M.		-
30	ELECTRICAL FIXTURES: Providing & Fixing, testing & commissioning of following fittings & fixtures with proper connections with all material, labor to make installation complete in all respects.				
a.	36 W LED 2x2 panel (Havells, Syska, Crompton, Bajaj, Wipro)	120	Each		-
b.	P & F down lighter recessed LED fitting 14W (Havells, Syska, Crompton, Bajaj, Wipro)	50	Each		-
c.	22W LED tubelight (Havells, Syska, Crompton, Bajaj, Wipro)	30	Each		-
d.	Wall/ bracket fan (Bajaj/Crompton)	70	Each		-
e.	Exhaust fan (300mm dia.) (Khaitan: heavy duty)	8	Each		-
f.	Ceiling fan (Crompton: High Breeze)	4	Each		-
31	MAIN CABLE:(FRLS Fire Retardant Low Smoke wire/ cable) Providing & laying PVC insulated PVC sheathed (heavy duty) armored aluminum cable for working voltage up to 1100 volts complete i/c of termination glands. 3.5 core 50 sq.mm.	30	R.M.		-
32	Supply Installation, Testing and Commissioning of 24 Port [100 base TX] Cat-6 Patch/Jack panel with connectors, outlets and necessary connectivity complete as required.	4	Each		-
33	LAN CABLING:(FRLS Fire Retardant Low Smoke wire/ cable) P&F lan cabling with Cat-6 (D-Link) in PVC conduit/ casing capping/ flexible pipe as required. inclusive of RJ 45 info outlet (D-Link) complete with jack, box, cover plate, crimping etc., complete.	90	Each		-
34	PATCH CORDS: Providing 1 M long patch chord (D-Link)	90	Each		-
35	PATCH CORDS: Providing 2 M long patch chord (D-Link)	90	Each		-
36	Providing and fixing of new 4nos. 24 Lan switch including 12U rack, patch cords including commissioning, testing, etc, complete.	1	Each		-
TOTAL (A)					-

ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE
SCHEDULE OF ITEMS FOR HVAC WORK

Sr. No	ITEM	QTY	UNIT	ESTIMATED COST	
				Rate	Amount
1	Supply, Installation, testing and commissioning of VRV/ VRF/ MRV outdoor units with following multiple inverter based scroll/ Rotary compressors, Electronic expansion valve, R410A/ eco friendly green refrigerant, cooling & heating mode both options, special pre- coated fins type heat exchanger, low noise direct driven propeller condenser fans in each module with top discharge including internal wiring, microprocessor controls, safety. the condensing unit should be capable of providing cooling between +/- 5 deg. C to 48 deg C & heating within 0 deg C to 15 deg C. COP not less than 3.3 . Each system should have the provision to combine maximum 3 nos compressor in each outdoor unit, Every single outdoor unit should not have more than maximum capacity 20 HP (3 phase) each compressor complete as per specification. Outdoor/ Indoor unit should be of same make (Brand). (single phase/ three phase).				-
	Out-door units				-
a	10 HP	2	No.		-
2	VRV/VRV indoor AC unit (wall mounted):- Supply installation testing and commissioning of wall mounted indoor split unit comprising of copper evaporator, electronic expansion valve, blower, motor, filter pad, auto air swing louvers, and temperature & on/off display with provision of discharge angle setting by wireless remote controller including internal wiring, controls complete as per specification. (Single phase/three phase)				-
a	0.83 TR	8	No.		-
b	1.05 TR	1	No.		-
c	2.08 TR	1	No.		-
3	VRV/VRV indoor AC unit (ceiling mounted 4 way):- Supply installation testing and commissioning of 4 way round flow ceiling suspended/mounted cassette type unit comprising of copper evaporator, electronic expansion valve, blower, motor, filter pad, auto air swing louvers, temperature & on/off display with inbuilt drain pump & decorative panels including internal wiring, controls. Dimension in terms of length & width should not be more than 950mmX 950mm with wireless remote controller. (Single phase/three phase)				-
a	1.05 TR	2	No.		-
b	1.33 TR	5	No.		-
4	Split AC (inverter model, Cooling only) :- Supply installation testing and commissioning of split type wall mounted air conditioning unit of following capacity including indoor, outdoor unit fitted with inverter based rotary compressor, copper condenser and first charge refrigerant R410A. The condensing unit working range should be capable of providing cooling between +/-5deg.C to 50 deg. C including connection of copper pipe of required size upto 3 mtr., insulation, cordless remote control, auto air swing louvers, wall stand for outdoor unit, connection copper lead wire, condense water outlet pipe 2 mtr. complete etc as required. Outdoor/indoor units should be of same make (brand).				-
a	1.5 TR star rating 5 star	0	No.		-
b	1.8/2 TR star rating 5 star	0	No.		-
5	Dismantling & shifting, installation, testing & commissioning of split air conditioning unit 1.0TR/1.5TR/2TR capacity including indoor / outdoor unit complete as required within town.	10	No.		-
6	INSULATED REFRIGERANT COPPER PIPING				-
	Supply, Installation, Testing & Commissioning of interconnecting copper refrigerant pipe work (19mm/13mm thick) duly insulated with elastomeric nitrile rubber type tubular insulation between indoor & outdoor unit as per specifications, And exposed piping should be wrapped with glass woven cloth and lag coating for vapour barrier and weather protection. Joints shall be covered with nitrile rubber tape of 3 mm thick complete as per specification.				-
a	41.1 mm O.D. wall thickness \geq 1.4 mm (19 mm thick insulation)	0	RM		-
b	38 mm O.D. wall thickness \geq 1.4 mm (19 mm thick insulation)	0	RM		-
c	34.9 mm O.D. wall thickness \geq 1.4 mm (19 mm thick insulation)	0	RM		-
d	28.6 mm O.D. wall thickness \geq 1.2 mm (19 mm thick insulation)	0	RM		-
e	25 mm O.D. wall thickness \geq 1.2 mm (19 mm thick insulation)	0	RM		-
f	22.2 mm O.D. wall thickness \geq 1.0 mm (19 mm thick insulation)	0	RM		-
g	19.1 mm O.D. wall thickness \geq 0.80 mm (13 mm thick insulation)	0	RM		-
h	15.9 mm O.D. wall thickness \geq 0.80 mm (13 mm thick insulation)	595	RM		-
i	12.7 mm O.D. wall thickness \geq 0.80 mm (13 mm thick insulation)	45	RM		-
j	9.5 mm O.D. wall thickness \geq 0.80 mm (13 mm thick insulation)	615	RM		-
k	6.4 mm O.D. wall thickness \geq 0.80 mm (13 mm thick insulation)	52	RM		-
7	Y JOINT				-
	Supply, Installation, Testing & Commissioning of refrigerant nut/ Y-Joints brass for indoor and outdoor units of suitable size as per requirement.	15	nos		-
8	Drain PIPINGS				-
	Providing Supply, Installation, Testing & Commissioning of UPVC pipe having pressure holding of 6kg/cm ² Drain piping complete with all accessories with 6 mm closed cell elastomeric Nitrile Rubber Insulation & supporting work for cassette & Hiwall Drain. As per attached layouts.				-
a	20 mm dia ID	8	RM		-
b	25 mm dia ID	25	RM		-

Sr. No	ITEM	QTY	UNIT	ESTIMATED COST	
				Rate	Amount
c	32 mm dia ID	45	RM		-
d	40 mm dia ID		RM		-
9	DUCTING				-
	Supply & fixing of site fabricated GI sheet metal ducts in accordance with the approved shop drawings and as required as per specifications. GI sheet will be as per IS-277. All necessary GI/ MS supports using thread rods (as directed). Angle, flat, and anchor bolts, food grade neoprene gaskets, food grade adhesive included in the scope.				-
a	24 G	89	Sqmt		-
b	22 G	145	Sqmt		-
c	20 G	0	Sqmt		-
10	Fresh air In line fan with gravity louvers .				-
	Providing Supply, Installation, Testing & Commissioning of fresh air inline fans.				-
a	150 CFM (Static pressure upto 20mm)	12.00	nos		-
b	200 CFM (Static pressure upto 20mm)	0.00	nos		-
11	GI Duct damper				-
	Supply & fixing of GI duct volume control damper.	1.00	Sqmt		-
12	CONTROL CABLE				-
	Supply & laying, testing & commissioning of following sizes of copper conductor control cables on existing tray including fixing clamps & proper connections to equipment etc. complete as required.				-
a	2C X 0.75 sq.mm	0.00	RM		-
b	4C X 1.5 sq.mm	0.00	RM		-
c	4C X 2.5 sq.mm	165.00	RM		-
d	4C X 4.0 sq.mm	77.00	RM		-
e	4C X 6.0 sq.mm	0.00	RM		-
f	4C X 10.0 sq.mm	145.00	RM		-
13	Supplying and erecting extract/return/door air grilles of Aluminium anodized without VCD (Volume Control Damper)				-
	100MM X 50MM	12.00	No.		-
14	Supplying and erecting Inlet Air Sandtrap Louvers Of Powder Coated/Anodised Extruded Aluminium Construction. With Bird Screen And Volume Damper For Fresh Air As Per Specifications And Approved Shop Drawings.	0.60	Sq.Mtr		-
15	Supply, installation, testing and balancing of Powder Coated Extruded Aluminium Non Return damper in accordance with the approved shop drawings and specifications./As per architect / Interior approval.				-
a	200mm x 150mm	6.00	No.		-
b	300mm x 250mm	0.00	No.		-
c	600mm x 300mm	0.00	No.		-
16	Supply, installation, testing and commissioning of motorised combined smoke & fire damper (UL listed) complete with control panel, inter connecting wiring at locations shown in approved shop drawings and as per specifications.				-
	Fire damper with fusible links to be provided in duct	3.00	Sqm		-
17	Accoustic insulation with 50mm thick resin bonded rockwool of 140 kg/cum. Density covered by RP tissue paper reinforced with 0.80mm thick aluminium perforated sheet	10.00	Sqm		-
	TOTAL (I)				-

<p style="text-align: center;">ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE ESTIMATES FOR PROPOSED FIRE FIGHTING WORKS AT INDORE</p>					
Sr. No	ITEM	UNIT	QTY	ESTIMATED COST	
				Rate	Amount
1	Providing laying, testing and commissioning of 'C' class heavy duty MS pipe confirming to IS 1239/3589 i/c fittings like elbows, tees, flanges, reducer, jointing with nuts bolts, gaskets and welding etc. and fixing the pipe on wall/ceiling with suitable hangers, clamps, supports, as required and painting with two or more coats of synthetic. Enamel paint of required shade complete as directed by Engineering-in-Charge.				
	25 mm dia	R.m.	42		-
	32 mm dia	R.m.	24		-
	40 mm dia	R.m.	30		-
	50 mm dia	R.m.	30		-
	65 mm dia	R.m.	18		-
	80 mm dia	R.m.	6		-
2	Providing, fixing, testing and commissioning of butterfly valve PN 1.6, with Bronze/Gunmetal seat duly ISI marked complete with Nuts, Bolts, washers, gaskets, confirming to IS 13095, of following sizes as required.				
	80mm dia	Each	1		-
	65mm dia	Each	1		-
3	Providing and fixing flow switches in 80 mm dia MS pipe. Capacity 5.0 kg.	Each	1		-
4	Providing and fixing pressure transducer (dial type pressure gauge with isolation cock) in MS pipe line (dial diameter 100mm pressure range 0-10 kg/cm) suitable for 12 volts/24DC. Including connection etc. as required.	Each	1		-
5	Providing and fixing of carbon-di- oxide type fire extinguishers consisting of welded M.S. cylindrical body, squeeze lever discharge valve fitted with pressure indicating gauge internal discharge tube 30 cm long high pressure discharge hose, discharge nozzle, suspension bracket conforming to IS : 15683 finished externally with red enamel paint and fixed to wall with brackets complete with internal charge.				
	Capacity 4.5 kg	Each	15		-
6	Supply of XLPE insulated 1.5 sq. mm. Armoured 2 core FRLSZH fire alarm cable (RED) Fire Survival Cable conforming IS-7098 (Part-1) 1988, 1100 Volt grade, 2/3/4/8/10/12 core ISI marked with copper stranded/solid conductor.	R.m.	530		-
7	Fire panel : Providing, fixing, testing & commissioning microprocessor based main fire alarm panel and indicating panel solid state modular card type pulsar, timer for dual stage alarm facility with indicators, standby battery ,complies to IS 2189:1999.2 x 16 character backlit LCD display lamp test features. Complete with integral power supply and battery charger for SMF battery. NO/NC contacts for both fire and fault. Switches to enable on board operation. LCD and LED Indication for open, short circuit, Isolate, fire in each zone. reset, lamp test, silence, isolate, short, open, fire continuous buzzer for fault and intermittent buzzer for fire battery charger box, operating voltage 220 Volt mains A.C. input/24V D.C. output etc. complete in all respect.				
	4 zone fire panel	Each	1		-
8	Smoke detector (optical type) : Providing &fixing of optical type smoke detector as per IS:11360-1985 of photo-optic sensing chamber, 12/24 volt DC, ionization source-less than one micro curie maximum Americium 241, twin visual alarm indicator (LED's) "Blink" in stand by and "steady" in alarm complete in all respects.	Each	75		-
9	Supply, installation, testing and commissioning of response Indicator shall be UL/EN54certified	Each	25		-

Sr. No	ITEM	UNIT	QTY	ESTIMATED COST	
				Rate	Amount
10	Heat detector : providing & fixing of heat detector based on heat rate-of- rise/fixed temperature with working voltage 9-33V DC twin visual alarm indicator (LED's) "Blink" in stand by and "steady" in alarm complete in all respects.	Each	5		-
11	Internal hooter: Providing &fixing of internal hooter with working AC Voltage 220V A.C./24V D.C. current consumption, sound output 120 DB, material M.S. sheet.	Each	5		-
12	Providing, fixing testing and commissioning of 15mm size quartzoid bulb type sprinklers , set to operate at 68/79 degree Centigrade. Pendent type/upright type/side wall type with required accessories complete as directed by Engineer-in-Charge.	Each	40		-
13	Manual call point: Providing & fixing of manual calls point flush or surface mounting. Front protection glass cover. Unbreakable glass ABS plastic body.	Each	4		-
14	Providing, fixing, testing and commissioning of Test Valve PN 1.6, with Bronze/Gunmetal seat duly ISI marked complete with Nuts, Bolts, washers, gaskets, confirming to IS 13095, of following sizes as required.				
	65mm dia	Each	1		-
15	Providing, fixing, testing and commissioning of Drain Valve PN 1.6, with Bronze/Gunmetal seat duly ISI marked complete with Nuts, Bolts, washers, gaskets, confirming to IS 13095, of following sizes as required.				
	65mm dia	Each	1		-
16	Providing and fixing of ABC Power type fire extinguishers consisting of welded M.S. cylindrical body, squeeze lever discharge valve fitted with pressure indicating gauge internal discharge tube 30 cm long high pressure discharge hose, discharge nozzle, suspension bracket. Conforming to IS: 15683 finished externally with red enamel paint fixed to wall with brackets complete with internal charge.				
	Capacity 4.0 kg	Each	8		-
17	Providing and fixing orifice plate made of 6mm thick stainless steel with orifice of required size in between flanged and landing valve of external and internal hydrant to reduce pressure to working pressure of 3.5 kg/cm complete as per specification required	Each	1		-
	TOTAL Rs.				-

ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE
SCHEDULE OF ITEMS FOR CCTV WORK

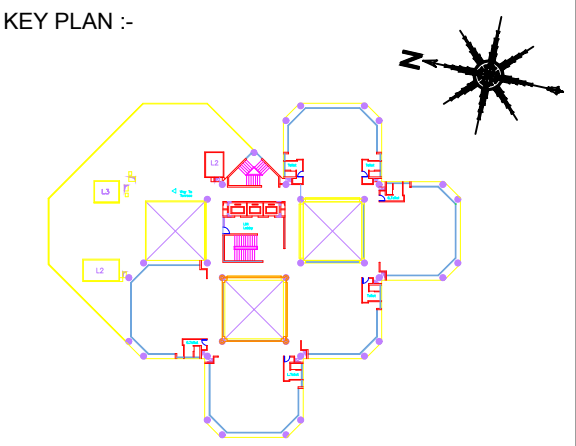
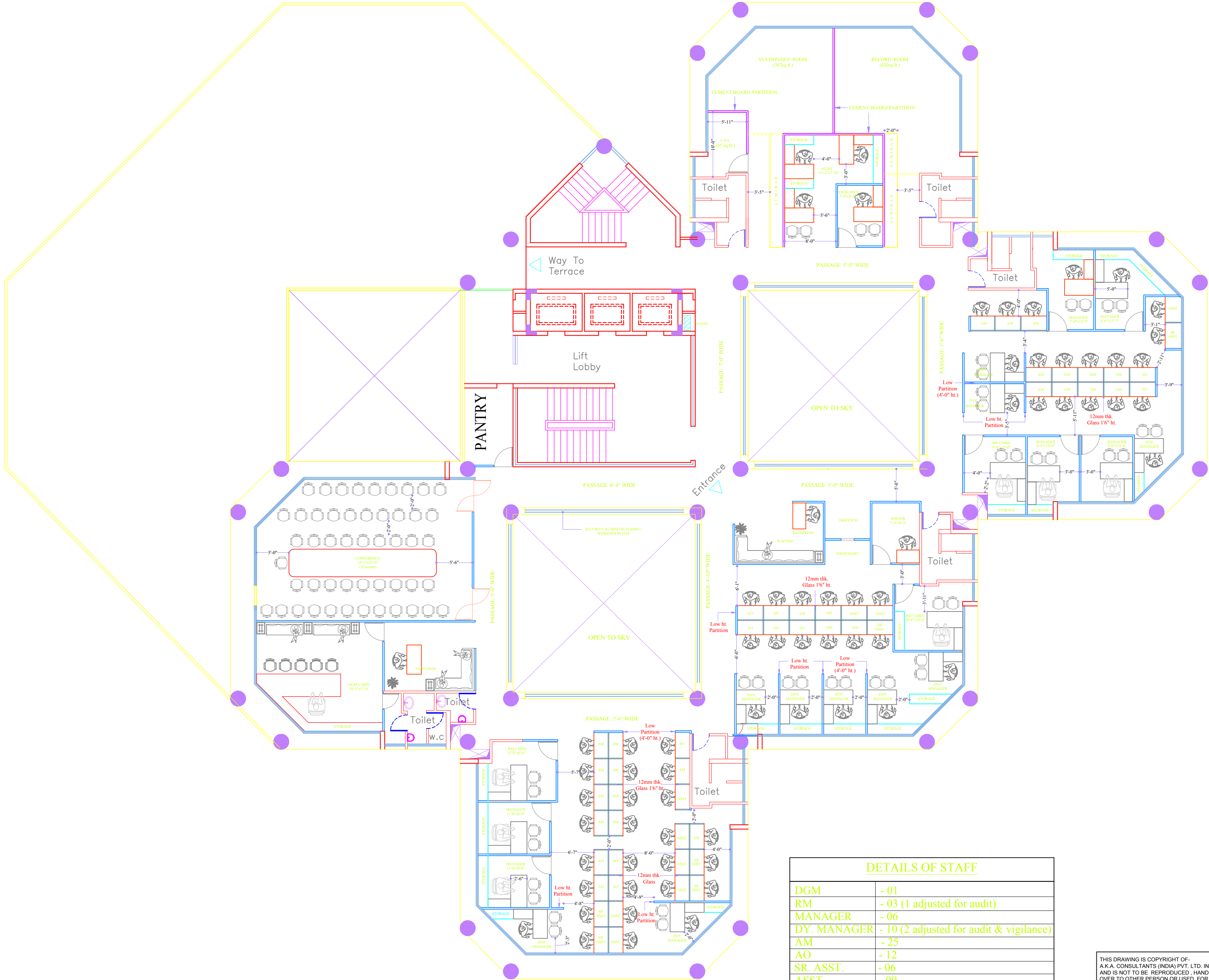
Sr. No	ITEM	QTY	UNIT	ESTIMATED COST	
				Rate	Amount
1	Supply, Installation testing and commissioning of the IP dome camera shall be equipped with a 1/2.8 2 MP progressive scan CMOS imager to capture full HD 1080p (25/30 fps) images, a 2.8 -12 mm varifocal lens, and a waterproof (IP66) enclosure. As a true day/night solution, the camera shall use smart IR technology and provide up to 98 ft (30 m) of IR illumination. The camera shall accept PoE (802.3af) or 12 V DC power input. min. illumination:-0.1 lux @F1.2, AGC ON, 0 lux with IR video compression :- H.264, noise reduction: 3DNR,backlight compensation :- BLC/HLC/DWDR, encode mode:- CBR/VBR (freely adjustable in CBR, 5 levels in VBR).	20	Each		-
	2MP IP varifocal MFZ dome camera				
2	Supply, Installation testing and commissioning of the IP dome camera shall be equipped with a 1/2.8 2 MP progressive scan CMOS imager to capture full HD 1080p (25/30 fps) images, a 2.8 -12 mm varifocal lens, and a waterproof (IP66) enclosure. As a true day/night solution, the camera shall use smart IR technology and provide up to 98 ft (30 m) of IR illumination. The camera shall accept PoE (802.3af) or 12 V DC power input. min. illumination:-0.1 lux @F1.2, AGC ON, 0 lux with IR video compression :- H.264, noise reduction: 3DNR,backlight compensation :- BLC/HLC/DWDR, encode mode:- CBR/VBR (freely adjustable in CBR, 5 levels in VBR).				
	2MP IP varifocal MFZ bullet camera	5	Each		-
3	Supply, installation testing and commissioning of 32 channel NVR with 1080p real-time live view H.265/H.264 MJPEG dual codec decoding Up to 12 MP resolution preview & playback max 320 MBPS incoming bandwidth support 8 SATA HDDs up to 64TB, supports fisheye video de-warping in local and web user interface, supports visual or auditory notifications(a flashing light, bell, or siren) complete with UL certification				
	32 channel NVR with 8 SATA	1	Each		-
4	Supply, installation testing and commissioning of 8 port PoE switch with 2 SFP ports, having security features like port security supports 64 MACs per port, auto surveillance VLAN, loopback detection automatically disables a port when a loop is detected, cable diagnostics allows administrators to determine cable status, UTP cat. 5, cat. 5e (100 m max.), full/half-duplex for 10/100 MBPS, full-duplex for 1000 MBPS, auto MDI/MDIX adjustment for all twisted-pair ports, switching capacity, 40 GBPS, maximum 64 bytes packet forwarding rate, 14.88 MBPS, ports 1 to 8 compliant with 802.3at				
	8 port PoE switch with 4 SFP ports	4	Each		-
5	The work station shall have the following specifications:- Processor Intel @ i5 750 2.66 GHz with internal memory of 4 GB RAM. Operating system window 7professional 64-bit (WOW 64mode) or window 7 professional 32-bit NVIDIA 1 GB independent graphic card. Resolution support for cameras 2560x1600 display resolution capable and direct X true colour 32 bit. Dual link VDI outputs. Client software shall support Dual monitors each displaying 16 cameras simultaneously. A maximum of 32 cameras viewing per workstation at a time.Programmable to sequence.				
	Workstation with client license	1	Each		-
6	Hard disk				
7	Providing &fixing of 8 TB hard disk	4	Each		-
	CCTV colour monitor				
8	Supply, installation, testing and commissioning of 32" flat LED colour monitors.	1	Each		-

Sr. No	ITEM	QTY	UNIT	ESTIMATED COST	
				Rate	Amount
9	Supplying and drawing 4 pair un-shielded twisted pair (UTP), 0.5 mm PVC insulated copper conductor un-armoured Cat-6 computer cable FRLS in existing surface/concealed, steel/PVC. conduit/ casing and capping as required. (For CCTV)	250	MTR		-
10	Providing and fixing of ABC Power type fire extinguishers consisting of welded M.S. cylindrical body, squeeze lever discharge valve fitted with pressure indicating gauge internal discharge tube 30 cm long high pressure discharge hose, discharge nozzle, suspension bracket. Conforming to IS: 15683 finished externally with red enamel paint fixed to wall with brackets complete with internal charge.				
	Capacity 4.0 kg	5	Each		-
	TOTAL Rs.				-

ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE SCHEDULE OF ITEMS FOR FURNISHING WORK					
S. NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
1	LAMINATED/GLAZED PARTITION: P&F partition made of 50 x50mm Aluminium frame @ 600mm c/c both ways , fixed rigidly at floor level as well as ceiling bottom. 8mm thick MR GRADE ply of approved make with 1mm thick laminate of approved quality and shade shall be fixed on both faces of partition as per design & groove. All exposed teak surfaces shall be finished with approved colour of melamine. The rates includes making provision for electrical conduits, switch and junction boxes. Cost includes nails, adhesives and all nesesity hardwares etc. complete as per architects design. b. GLAZED PARTITION: 1050mm high 8mm thick clear float glass with etching work of approved make shall be fixed at 900mm height from floor finish level fixed with 20 x 35mm teak wood beading of approved design in place of frame and commercial ply with laminate. All exposed teak surfaces shall be finished with approved colour of melamine.	4100	sq.ft.		-
2	CEMENT BOARD PARTITION: P&F Partition including door with 16mm thick cement board (BISON PANEL ONLY) finished with 1.00mm thick laminate of approved shade on both sides of the cement resting on bison panel frame of required size with ISI marked SS butt hinges with necessary screws, handles aldrop door stopper etc.	250	sq.ft.		-
3	Low Hight partition:1350 mm High P&F partition made of 50 x50mm Aluminium frame @ 600mm c/c both ways painted with anti termite paint, fixed rigidly at floor level. 8mm thick commercial ply of approved make with 1mm thick laminate of approved quality and shade shall be fixed on both faces of partition as per design & groove with necessary opening for the glass at 1050mm height. These opening shall be covered by 12mm thick plain glass with etching work fixed with brass clips on three sides or with wooden beading. All exposed edges of glass shall be grinded polished. Skirting shall be 100mm high with 1mm thick laminate.	500	sq.ft.		-
4	Glass on low height counter: P&F 12mm thick plain glass with etching work (6" + 12") on low height counter fixed with brass clips, exposed edges of glass duly polished. T.W. intermediate support to be provided as directed.	320	sq.ft.		-
5	NOTICE BOARD: P&F notice board/ display board made of 50 x25mm kail wood frame with 6mm thick commercial ply / particle board with 12mm thick soft board covered with approved fabric & color , with 50x 25mm teak wood moulding all around finished with duco paint.	20	sq.ft.		-
6	STORAGE/LOFT: P&F storage unit 540mm deep made out of 19mm thick commercial ply of approved quality & with 6mm ply back. . Shelves to be provided horizontally and vertical partition will be at 900mm c/c. All exposed vertical & horizontal surfaces to be finished with 1mm thick laminate of approved shade. All internal surface to be finished with 0.8mm laminate of approved shade. All exposed edges of commercial ply to be finished with laminate. The rates include necessary hardware such as piano hinges, tower bolts, lock, magnetic ball catcher, 4" long SS handle of approved design.	800	sq.ft.		-
7	LOW HEIGHT COUNTER: (Single top): Supplying, fixing & keeping in position low height counters made out of 19mm commercial ply. Cost shall include : working top 810mm wide at 750mm height finished with 1.0mm thick laminate. A drawer unit consisting of 1 drawer unit & 1 storage unit 400mm wide, drawer to be made of 19mm commercial ply with 6mm ply bottom. Facia of drawer, storage shutter, front panel to be finished with 1mm thick laminate. Each counter will have CPU stand, footrest, keyboard tray (Ebco). All internal surface to be finished with 0.8mm laminate. All exposed edges of commercial ply to be finished with laminate. All fittings like handles, knob etc., will be of superior quality. Item includes cutting of holes in top & sides , making provision in counter for pipes/ conduit i/c P&F of cable manager.	220	R.ft.		-
8	STOOL FOR PANTRY: Providing stools for sitting in pantry made out of SS frame and topped with 19mm ply top laminated on all sides with 1.00 mm laminate of approved shade. Legs of the stools to provided with rubber support fixed with screws and all the useful hardware.	30			-
9	FOLDING TABLE: Supplying, fixing & keeping in position folding tables in pantry area 520mm wide finished with 1.00 mm laminate on all sides to be fixed on 100mm wall adjoining it. All the hardware for folding like handles, butt hinges screws to be used of premium quality SS , complete as per architects design.	60	R.ft.		-

S. NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
10	FURNITURE: TABLES Providing & placing in position tables top made of 25mm thick commercial commercial ply with 1.0mm thick laminate with T.V. edging all round. Top shall rest on 19mm thick commercial commercial ply sides finished with 1mm thick laminate with drawer unit consisting of 1 pencil drawer, 1 utility drawer and 1 filing drawer. All drawer shall run on side mounted rails with locking facility. Drawers to be made of 19mm commercial ply all round with 6mm ply bottom. Table will have key board tray (Ebco) & a CPU stand. The front apron shall be made of 19mm thick commercial commercial ply with 1 mm thick laminate finish on exposed surfaces as per design with cable manager on top of table including provision for data, voice, UPS, electrical points etc., as per requirement. All teak surfaces shall be finished with approved color of melamine. All internal surface to be finished with 0.8mm laminate.				
	DGM table: 13'0"X3'6"X2'6"	1	Each		-
	RM Table:5'6"X2'6"X2'6"	3	Each		-
	Manager Table:5'0"X2'6"X2'6"	6	Each		-
	Dyp. Manager & Audit, PA Table:4'6"X2'3"X2'6"	14	Each		-
	Vigilance Table:4'6"X2'6"X2'6"	1	Each		-
	Server Room Table:3'6"X2'0"X2'6"	1	Each		-
15	CORIAN SURFACES: Supplying, Fabrication and Installation of Dupont/Corian quartz of 6 to 12mm thk. Applied on table Top, Sides and any where wall, Logo etc in place of 1mm thick laminate. To minimis material usage and facilitate installation a corner block of corian should be made square(Butt) rather than mitred. The edges to be joined should be straight, smooth and clean. Joints should only be made with joint Adhesive for Dupont Corian. All corners of a cutout must be rounded to 5mm radius and the edges smoothed, both on top & bottom, all around a cutout. "L" & "U" shaped corners need smooth 5mm radius inside corner. All works done to the satisfaction of the Architect/Project Manager. Note:- Work done including labour, material wastage, time limits, required hardware etc. Note:- Corian Sheet use in - Salt(Translucent series), Azure & Diamond Blue, preferably on ALL TABLES TOP & TOP EDGES, as directed. (Make-Green/Dupont/Archid)	160	sq.ft.		-
16	ACOUSTICAL PANNELING: Providing and installation of acoustical wall panelling wood finish Slats made out of HDF board, Melamine / veneer laminated finish, perforated wooden grooved slats (2mm grooves @ 8mm centers) / (2mm Slats @16mm pitch) / (2mm grooves @ 32mm centers) / (2mm grooves @ 64mm centers), backlined with black acoustical fleece, tongue-groove edge for a seamless look, FR grade, of lineal dimension size 128mm x 2440mm x 16mm thick having density 1000Kg /m3, weight 12.8Kgs/m2 installed by using GI strut system. The GI strut system includes GI Cross channel having thickness 0.45mm, length 3600mm, knurled web 40mm, depth 10mm and equal flanges 15mm is fastened vertically/ horizontally at every 600mm centers. Aluminium core cross channel having thickness 0.5mm, length 2400mm, web 15mm and 27mm, depth 18mm and flanges of 7mm with suitable edge and centre brackets is then fixed perpendicular to the cross channel with the help of fasteners at every 400mm centers. Contractor to Provide expansion joints of 3mm at every 5mts bothways.	700	sq.ft.		-
17	ACOUSTICAL PANNELING: Providing and Installation of acoustic wall panelling consisting of Soak Coard of selected colours as approved by Engineer in charge. Kerf edge Fabric wrapped wood fiber panels of size 600x2400x20mm having density 400Kgs/m3, weight 4-20kg/m2 installed by using GI strut system. The GI strut works includes Cross channel having thickness 0.45mm, length 3600mm, knurled web 50, depth 50mm and equal flanges of 13mm is fastened to Wall positioned horizontally in a regular manner at 600mm centers. PVC Vinyl core UV treated H-Spline having thickness 2mm and length 2400mm to be fixed perpendicular to the Cross channels at 600mm centers. Kerfed edge Fabric wrapped panels shall be then inserted into the H-spline against wall to perfect fit.	700	sq.ft.		-
18	CONFERENCE TABLE: Fabricating & Supplying 245cm.X 90Cm. size Corian Top Conference Table having Wooden Boxes of 200Cm.X75Cm. size (45Cm. high) made of 19mm. commercial Ply. 5 Cm. high Skirting made of 19mm. Commercial Ply shall be fixed all around in stepped shape and Top of Step will be finished with P.W. Beading of 20mm.X20mm. section. 1mm. Laminated Sheet of required Color & Pattern will be pasted all around. Beading will be Polished with 3 coats of Melamine Polish after preparing Base with Putty & Sand Papered smooth to highlight grains, including all the hardware required, complete as per Architect's instructions. (Make-Green/Duro/Archid. Glass- Modi float/ Saint Gobin)	23	R.ft.		-


S. NO.	ITEM	QTY	UNIT	ESTIMATED COST	
				RATE	AMOUNT
19	SIDE UNITS: Dimension as per drawing Providing & placing in position side units for tables made of 19mm thick commercial ply with 1.0mm thick laminate finish on top. Sides & front shutters to be finished with 1mm thick laminate. Rate inclusive of providing 1 no. shelf (adjustable).All exposed edges of commercial ply to be finished with laminate. All internal surface to be finished with 0.8mm laminate.	21	Each		-
20	Providing, and placing Sofa in 19mm thick water proof Plywood/Board W.B.R. grade (Duro/Corbet/Green) 4" thick rubber foam seat 50 density , 2" thick cushioned back.,etc complete as per giving drawing (basis price of upholstery not less then @ 500/- meter & foam density 50 to 80 etc) fabric and shape will be as per design.				
	3 seater	2	Each		-
	5 seater	1	Each		-
	7 seater	1	Each		-
21	ROLLER BLINDS: Providing & installing Horizontal Blinds of Trac / Vista or equivalent, 100 mm wide, in two colours, of medium range fabric (synthetic material), of approved shade and colour, pull cords shall be 1.7mm dia. Braided nylon with a core of rayon threads. The blinds shall be operate able in any direction with a flight upto 180 degrees and can slide to one side for opening purposes., complete as per Instructions of the Architect.	1600	sq.ft.		-
	CHAIRS: Providing revolving chairs with arm rest, back support, wheels etc, complete.				
	a.) DGM	1	Each		-
	b.) RM	4	Each		-
	c.) Manager, Dy. Manager & other staff	78	Each		-
	d.) Visitors & conference room	110	Each		-
	RECEPTION TABLE & LOGO: Providing & placing in position tables top made of 25mm thick commercial commercial ply with 1.0mm thick laminate with T.W. edging all round. Top shall rest on 19mm thick commercial commercial ply sides finished with 1mm thick laminate with drawer unit consisting of 1 pencil drawer, 1 utility drawer and 1 filing drawer. All drawer shall run on side mounted rails with locking facility. Drawers to be made of 19mm commercial ply all round with 6mm ply bottom. Table will have key board tray (Ebco) & a CPU stand. The front apron shall be made of 19mm thick commercial commercial ply with 1 mm thick laminate finish on exposed surfaces as per design with cable manager on top of table including provision for data, voice, UPS, electrical points etc., as per requirement. All teak surfaces shall be finished with approved color of melamine. All internal surface to be finished with 0.8mm laminate. OIC backlit logo as per approved design.	1	Each		-
	CORNER TABLE: P&f centre table of size 2'0" X 1'6" X 1'6"HT. made out of 19mm blockboard finished with 1mm thick laminate on all exposed sides. Table will have one shelf below of 19mm blockboard finished with 1mm thick laminate and top of table to have 12mm thick glass (smoke color) with edges duly polished as per design	7	Each		-
22	CENTRE TABLE: P&f centre table of size 3'0" X 1'9" X 1'6"HT. made out of 19mm th. commercial ply finished with 1mm thick laminate on all exposed sides. Table will have one shelf below of 19mm commercial ply finished with 1mm thick laminate and top of table to have 12mm thick glass (smoke color) with edges duly polished as per design.	2	Each		-
TOTAL (A)					-

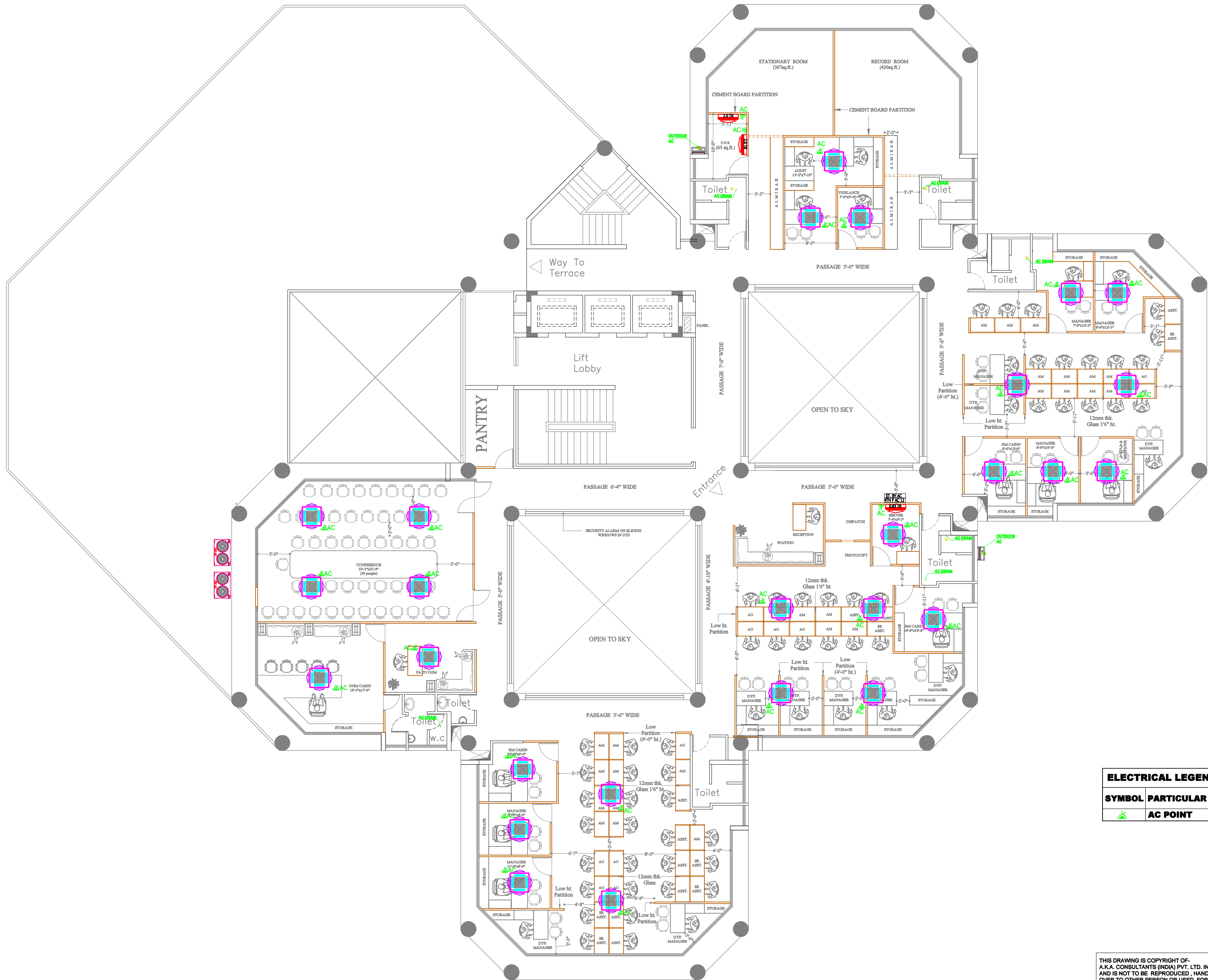


FOR APPROVAL

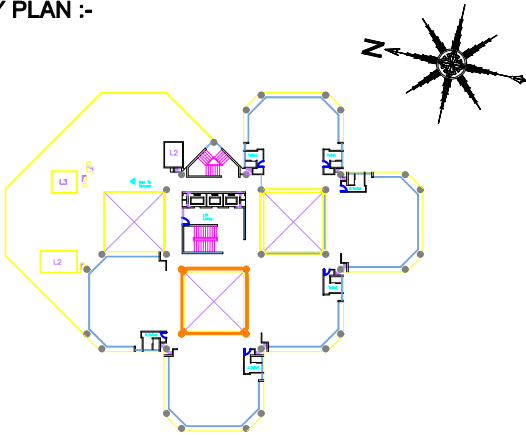
DETAILS OF STAFF	
DGM	- 01
RM	- 03 (1 adjusted for audit)
MANAGER	- 06
DY. MANAGER	- 10 (2 adjusted for audit & vigilance)
AM	- 25
AO	- 12
SR. ASST.	- 06
ASST.	- 09

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DATE		PARTICULARS	
REVISIONS : 03			
DRG. NO. :-		01	SHEET - 1 OF 1
SCALE	PROJECT :- ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE		
N.T.S.			
SIZE	INTERIOR LAYOUT		
A3			
TITLE :- FOURTH FLOOR OPTION 01			
DATE :- 01-12-2023		DEALT BY :- DM	CHKD BY :- AS
<div> ARCHITECT</div>			
CONSULTING ARCHITECTS & ENGINEERS			
AKA CONSULTANTS (INDIA) PVT. LTD.			
(AN ISO 9001-2015 COMPANY)			
8, STATE BANK OFFICER'S COLONY BEEMA NAGAR, OPP. ANAND BAZAAR INDORE- 452001 (M.P.)			
PH.-0731-2565304, 2561685			
e-mail : akakem@akaconsultants.in			





KEY PLAN :-

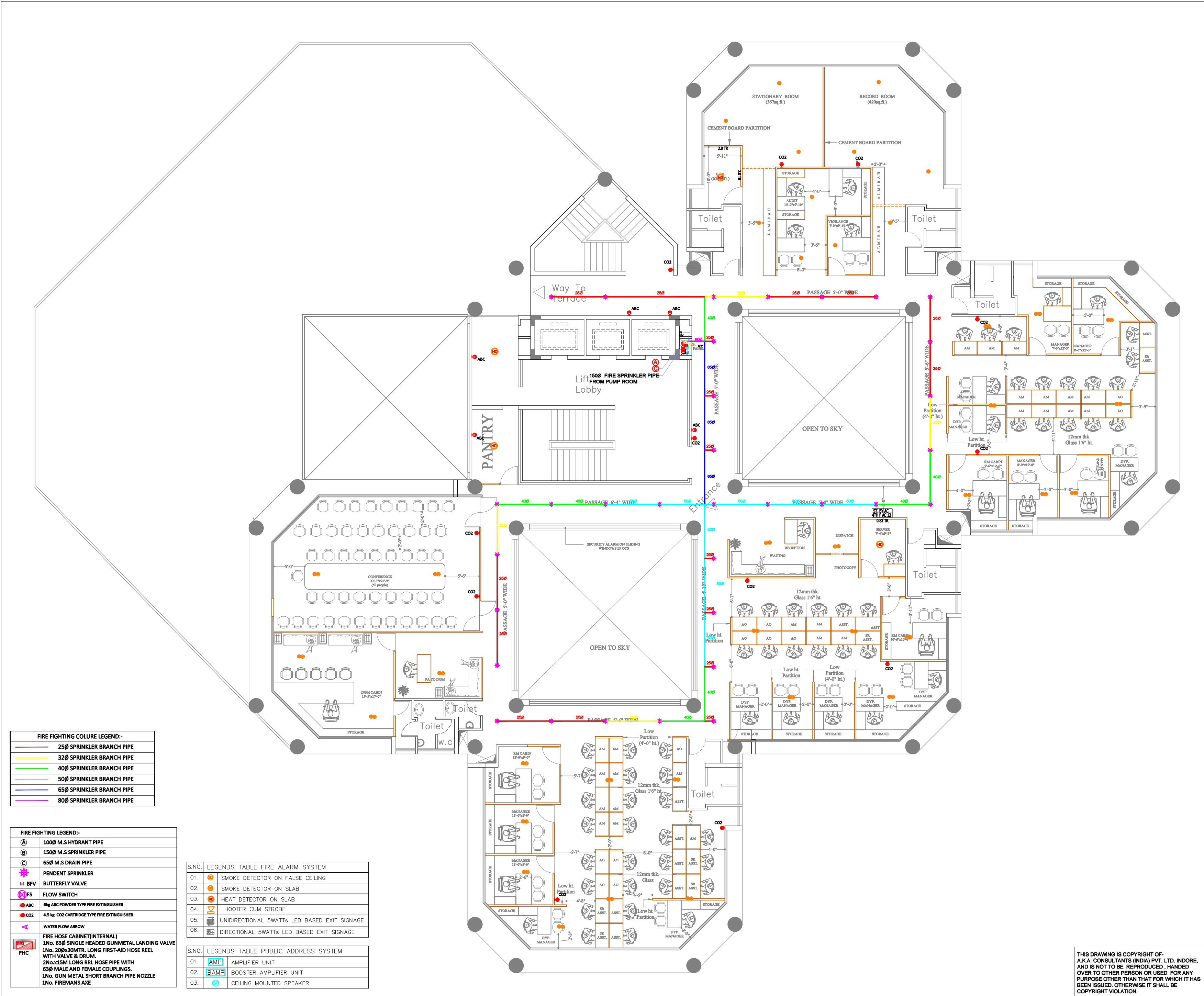


FOR TENDER PURPOSE

ELECTRICAL LEGEND	
SYMBOL	PARTICULAR
	AC POINT

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DATE		PARTICULARS	
REVISIONS: 03			
DRG. NO. :-		682 - I - T - E - 3001 - R0	SHEET - 1 OF 1
SCALE	PROJECT :- ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE		
N.T.S.			
SIZE	INTERIOR LAYOUT		
A3			
TITLE :-		FOURTH FLOOR ELECTRICAL AC POINT LAYOUT	
DATE :- 09-12-2023		DEALT BY :- V.S	CHKD BY :- B.T
			
ARCHITECT		BHUSHAN TAYDE ELECTRICAL ENGINEER	
CONSULTING ARCHITECTS & ENGINEERS			
AKA CONSULTANTS (INDIA) PVT. LTD.			
(AN ISO 9001:2015 COMPANY)			
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PH.:0731-2565304, 2561685			
e-mail : akakem@akaconsultants.in			

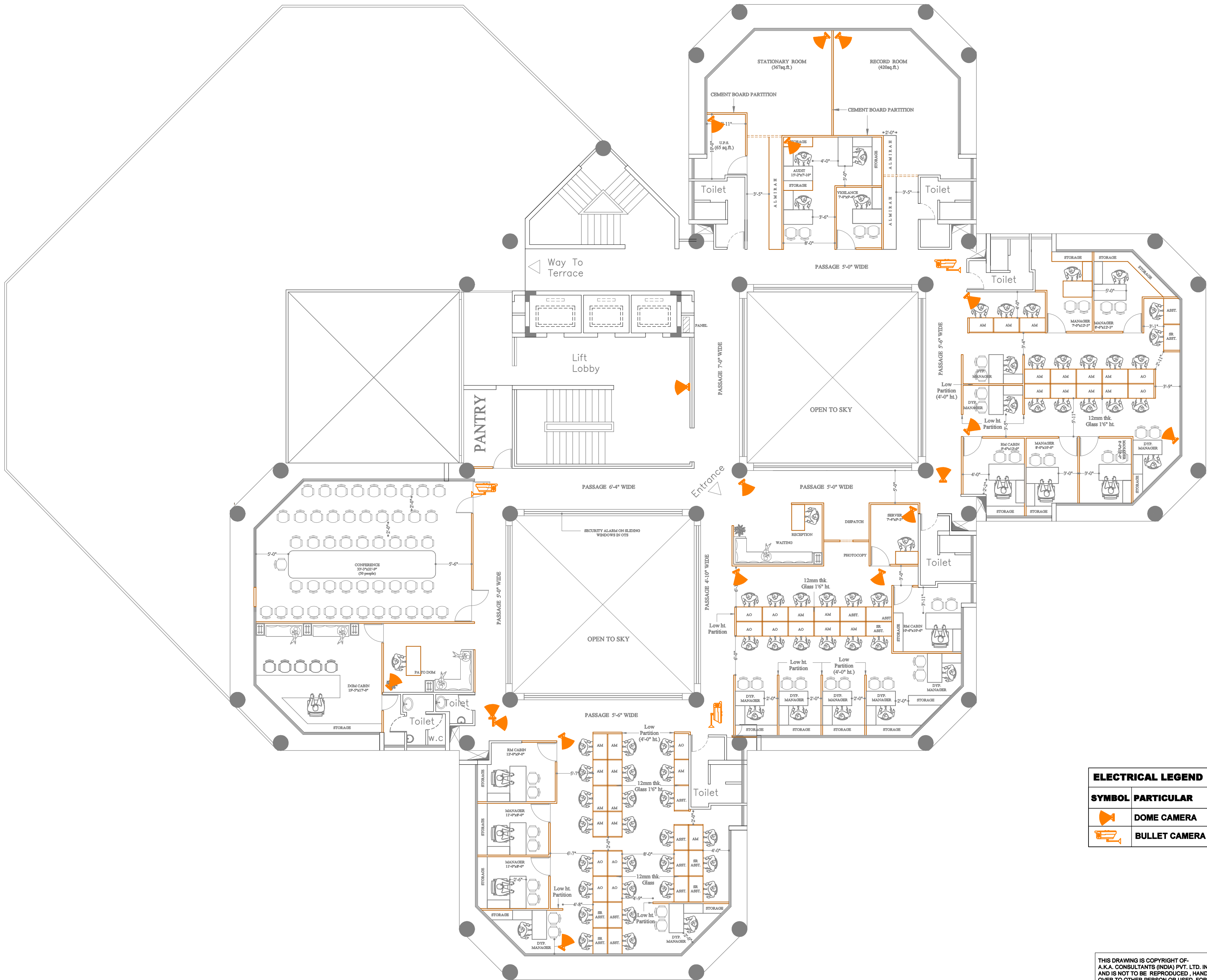


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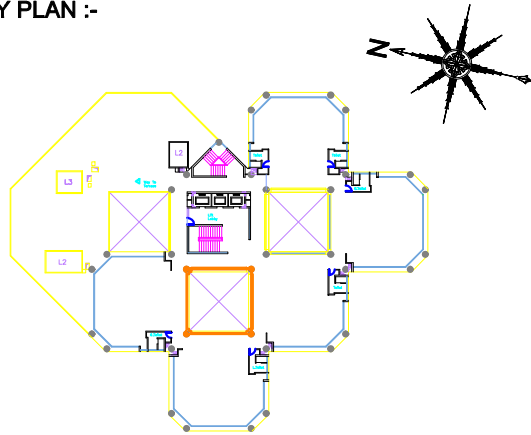
FOR TENDER PURPOSE

DATE	PARTICULARS		
REVISIONS : 03			
DRG. NO. :-	682 - I - T - E - 3004 - R0	SHEET - 1 OF 1	
SCALE	PROJECT :- ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE		
N.T.S.			
SIZE	INTERIOR LAYOUT		
A3	TITLE :- FOURTH FLOOR ELECTRICAL FIRE FIGHTING LAYOUT		
DATE :- 09-12-2023		DEALT BY :- B.T	CHKD BY :- H.P
 ARCHITECT		 HARSH PARE FIRE ENGINEER	
CONSULTING ARCHITECTS & ENGINEERS			
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KEY PLAN :-

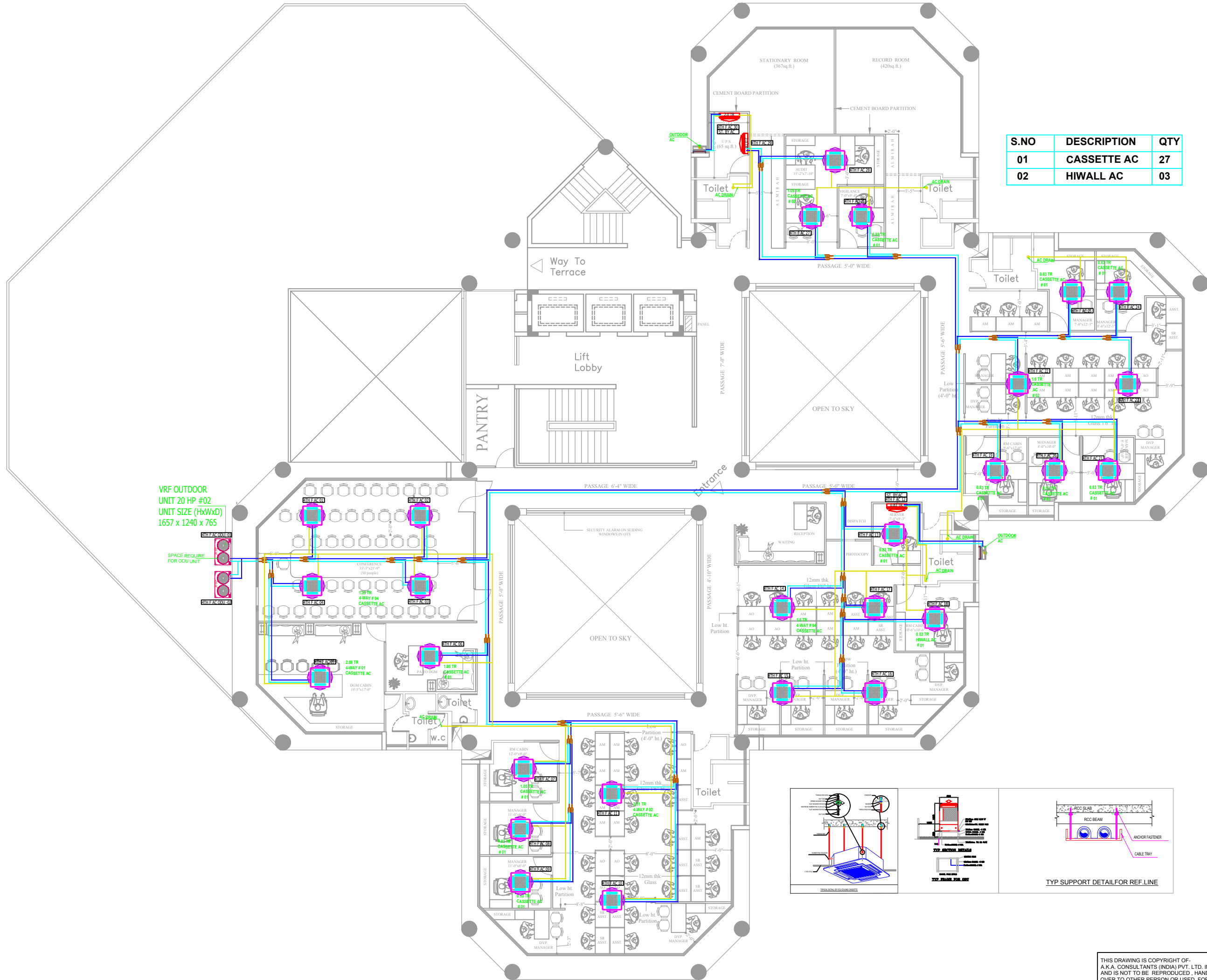


ELECTRICAL LEGEND	
SYMBOL	PARTICULAR
	DOME CAMERA
	BULLET CAMERA

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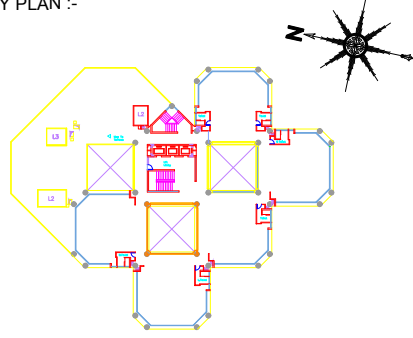
DATE		PARTICULARS	
REVISIONS: 03			
DRG. NO. :-		682 - I - T - E - 3003 - R0	SHEET - 1 OF 1
SCALE	PROJECT :- ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE		
N.T.S. SIZE	INTERIOR LAYOUT		
A3	TITLE :- FOURTH FLOOR ELV & UPS POWER LAYOUT		
DATE :- 09-12-2023		DEALT BY :- V.S	CHKD BY :- B.T
			
ARCHITECT		BHUSHAN TAYDE ELECTRICAL ENGINEER	
CONSULTING ARCHITECTS & ENGINEERS			
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PH.: 0731-2565304, 2561685			
e-mail : akakem@akaconsultants.in			



VRF OUTDOOR
UNIT 20 HP #02
UNIT SIZE (HxWxD)
1657 x 1240 x 765

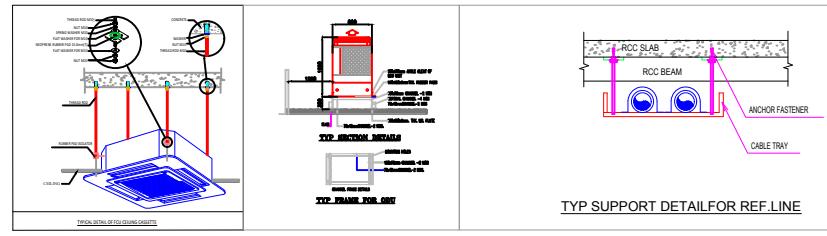
SPACE REQUIRE
FOR ODU UNIT

S.NO	DESCRIPTION	QTY
01	CASSETTE AC	27
02	HIWALL AC	03



HVAC LEGENDS	
	OUTDOOR AC
	CASSETTE AC
	HIWALL AC
	REFRIGERANT PIPE
	DRAIN PIPE

FOR TENDER PURPOSE



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DATE	PARTICULARS
REVISIONS : 03	
DRG. NO. :-	682 - I - C - HVAC - 5101 - R0
SCALE	PROJECT :-
N.T.S.	ORIENTAL INSURANCE COMPANY LTD, IDA BUILDING INDORE
SIZE	INTERIOR LAYOUT
A3	
TITLE :-	FOURTH FLOOR WITH HVAC SYSTEM DWG
DATE :- 01-12-2023	DEALT BY :- R.C
CHKD BY :- V.S	
ARCHITECT	VIPIN SAHU HVAC ENGINEER
CONSULTING ARCHITECTS & ENGINEERS	
AKA CONSULTANTS (INDIA) PVT. LTD.	
(AN ISO 9001-2015 COMPANY)	
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PH.: 0731-2553304, 2551685	
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