

**Request for Proposal (RFP) Document for  
Civil Construction Work for Command and Control Center under surveillance and incident response project  
At various District Headquarters of Rajasthan**

Reference No.: F3.3 (200)/ RISL/ PUR/ 17-18/6144

Dated: 16-10-2017

Mode of Bid Submission	Online through eProcurement/ eTendering system at <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
Procuring Authority	Managing Director, RISL, First Floor, C-Block, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur-302005 (Rajasthan)
Last Date & Time of Submission of Bid	17/11/2017 up to 3:00 PM
Date & Time of Opening of Technical Bid	17/11/2017 at 05:00 AM

**Bidding Document Fee: Rs. 5000 (Rupees Five Thousand only)**

Name of the Bidding Company/ Firm:			
Contact Person (Authorised Bid Signatory):			
Correspondence Address:			
Mobile No.		Telephone & Fax Nos.:	
Website & E-Mail:			

**RajCOMP Info Services Limited (RISL)**

First Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur-302005 (Raj.)

Phone: 0141- 5103902 Fax: 0141-2228701

Web: <http://risl.rajasthan.gov.in>, Email: [kkmishra.risl@rajasthan.gov.in](mailto:kkmishra.risl@rajasthan.gov.in)

### **ABBREVIATIONS & DEFINITIONS**

<b>Act</b>	The Rajasthan Transparency in Public Procurement Act, 2012 (Act No. 21 of 2012) and Rules thereto
<b>Authorised Signatory</b>	The bidder's representative/ officer vested (explicitly, implicitly, or through conduct) with the powers to commit the authorizing organization to a binding agreement. Also called signing officer/ authority having the Power of Attorney (PoA) from the competent authority of the respective Bidding firm.
<b>BG</b>	Bank Guarantee
<b>Bid/ eBid</b>	A formal offer made in pursuance of an invitation by a procuring entity and includes any tender, proposal or quotation in electronic format
<b>Bid Security</b>	A security provided to the procuring entity by a bidder for securing the fulfilment of any obligation in terms of the provisions of the bidding documents.
<b>Bidder</b>	Any person/ firm/ agency/ company/ contractor/ supplier/ vendor participating in the procurement/ bidding process with the procurement entity
<b>Bidding Document</b>	Documents issued by the procuring entity, including any amendments thereto, that set out the terms and conditions of the given procurement and includes the invitation to bid
<b>BoM</b>	Bill of Material
<b>BSR</b>	Basic Schedule of Rates
<b>CMC</b>	Contract Monitoring Committee
<b>Competent Authority</b>	An authority or officer to whom the relevant administrative or financial powers have been delegated for taking decision in a matter relating to procurement. MD, RISL in this bidding document.
<b>Contract/ Procurement Contract</b>	A contract entered into between the procuring entity and a successful bidder concerning the subject matter of procurement (Execution of Work)
<b>Contract/ Project Period</b>	The Contract/ Project Period shall commence from the date of issue of Work order till 4.5 months. The security deposit will be returned after 2 years from date of completion.
<b>COTS</b>	Commercial Off the Shelf Software
<b>Day</b>	A calendar day as per GoR/ Gol.
<b>DeitY, Gol</b>	Department of Electronics and Information Technology, Government of India
<b>DoIT&amp;C</b>	Department of Information Technology and Communications, Government of Rajasthan.
<b>ETDC</b>	Electronic Testing & Development Center
<b>FOR/ FOB</b>	Free on Board or Freight on Board
<b>Gol/ GoR</b>	Govt. of India/ Govt. of Rajasthan
<b>Goods</b>	All articles, material, commodities, electricity, livestock, furniture, fixtures, raw material, spares, instruments, software, machinery, equipment, industrial plant, vehicles, aircraft, ships, railway rolling stock and any other category of goods, whether in solid, liquid or gaseous form, purchased or otherwise acquired for the use of a procuring entity as well as services or works incidental to the supply of the goods if the value of services or works or both does not exceed that of the goods themselves
<b>ICT</b>	Information and Communication Technology.
<b>IFB</b>	Invitation for Bids (A document published by the procuring entity inviting Bids relating to the subject matter of procurement and any amendment thereto and includes notice inviting Bid and request for proposal)

<b>INR</b>	Indian Rupee
<b>IS</b>	Indian Standards
<b>ISI</b>	Indian Standards Institution
<b>ISO</b>	International Organisation for Standardisation
<b>IT</b>	Information Technology
<b>ITB</b>	Instruction to Bidders
<b>LD</b>	Liquidated Damages
<b>LoI</b>	Letter of Intent
<b>NCB</b>	A bidding process in which qualified bidders only from within India are allowed to participate
<b>NeGP</b>	National e-Governance Plan of Government of India, Department of Information Technology (DIT), Ministry of Communications and Information Technology (MCIT), New Delhi.
<b>NIB</b>	Notice Inviting Bid
<b>Notification</b>	A notification published in the Official Gazette
<b>OEM</b>	Original Equipment Manufacturer
<b>PAN</b>	Permanent Account Number
<b>PBG</b>	Performance Bank Guarantee
<b>PC</b>	Procurement/ Purchase Committee
<b>PQ</b>	Pre-Qualification
<b>Procurement Process</b>	The process of procurement extending from the issue of invitation to Bid till the award of the procurement contract or cancellation of the procurement process, as the case may be
<b>Procurement/ Public Procurement</b>	The acquisition by purchase, lease, license or otherwise of works, goods or services, including award of Public Private Partnership projects, by a procuring entity whether directly or through an agency with which a contract for procurement services is entered into, but does not include any acquisition without consideration, and “procure” or “procured” shall be construed accordingly
<b>Project Site</b>	Wherever applicable, means the designated place or places.
<b>PSD/ SD</b>	Performance Security Deposit/ Security Deposit
<b>Purchaser/ Tendering Authority/ Procuring Entity</b>	Person or entity that is a recipient of a good or service provided by a seller (bidder) under a purchase order or contract of sale. Also called buyer. RISL in this RFP document.
<b>PWD</b>	Public Works Department
<b>RajSWAN/ RSWAN</b>	Rajasthan State Wide Area Network
<b>RISL</b>	RajCOMP Info Services Limited
<b>RSDC</b>	Rajasthan State Data Centre, New IT Building, Jaipur
<b>RVAT</b>	Rajasthan Value Added Tax
<b>Services</b>	Any subject matter of procurement other than goods or works and includes physical, maintenance, professional, intellectual, consultancy and advisory services or any service classified or declared as such by a procuring entity and does not include appointment of any person made by any procuring entity
<b>SLA</b>	Service Level Agreement is a negotiated agreement between two parties wherein one is the customer and the other is the service provider. It is a service contract where the level

	of service is formally defined. In practice, the term SLA is sometimes used to refer to the contracted delivery time (of the service) or performance.
<b>SSDG</b>	State Services Delivery Gateway
<b>State Government</b>	Government of Rajasthan (GoR)
<b>State Public Procurement Portal</b>	<a href="http://sppp.raj.nic.in">http://sppp.raj.nic.in</a>
<b>STQC</b>	Standardisation Testing and Quality Certification, Govt. of India
<b>Subject Matter of Procurement</b>	Any item of procurement whether in the form of goods, services or works
<b>TIN</b>	Tax Identification Number
<b>TPA</b>	Third Party Auditors
<b>VAT/ CenVAT</b>	Value Added Tax/ Central VAT
<b>WO/ PO</b>	Work Order/ Purchase Order

**1. NIB - NOTICE INVITING BID**



**RajCOMP Info Services Ltd.**

(A Government of Rajasthan undertaking)

email: [info.risl@rajasthan.gov.in](mailto:info.risl@rajasthan.gov.in)  
website: [www.risl.rajasthan.gov.in](http://www.risl.rajasthan.gov.in)

**NOTICE INVITING BID (NIB)**

Reference No.: F3.3 (200)/RISL/PUR/17-18/6144

Dated: 16-10-2017

UBN No.: RIS1718 WLOB 00094

<b>Name &amp; Address of the Procuring Entity</b>	<ul style="list-style-type: none"> <li>Name: RajCOMP Info Services Ltd, Government of Rajasthan</li> <li>Address: RISL, First Floor, C-Block, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur-302005 (Rajasthan)</li> </ul>
<b>Name &amp; Address of the Project Officer In-charge (POIC)</b>	<ul style="list-style-type: none"> <li>Name: Shri K.K Mishra</li> <li>Designation: Manager(Technical)</li> <li>Address: Room No – 316, Third Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur (Rajasthan)</li> <li>Email: <a href="mailto:kkmishra.risl@rajasthan.gov.in">kkmishra.risl@rajasthan.gov.in</a></li> </ul>
<b>Subject Matter of Procurement</b>	RFP for Civil Construction Work for Command & Control Centre Under Surveillance & Incident Response Project at Various District Headquarters of Rajasthan
<b>Bid Procedure</b>	Single-stage: Two part (envelop) open competitive eBid procedure at <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a>
<b>Bid Evaluation Criteria (Selection Method)</b>	Technically responsive Lowest evaluated bidder shall be awarded the Contract.
<b>Websites for downloading Bidding Document, Corrigendum's, Addendums etc.</b>	<ul style="list-style-type: none"> <li>Websites: <a href="http://sppp.raj.nic.in">http://sppp.raj.nic.in</a> <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a> <a href="http://risl.rajasthan.gov.in">http://risl.rajasthan.gov.in</a> and <a href="http://www.doitc.rajasthan.gov.in">http://www.doitc.rajasthan.gov.in</a></li> <li>Bidding document fee: Rs. 5000/- (Rupees Five Thousand Only) in Cash/Demand Draft in favor of "Managing Director, RISL" payable at "Jaipur".</li> <li>RISL Processing fee: Rs. 1000/- (Rupees One Thousand Only) in Cash/Demand Draft in favor of "Managing Director, RISL" payable at "Jaipur".</li> </ul>
<b>Estimated Procurement Cost</b>	<b>Rs. 13 Crore</b>
<b>Bid Security and Mode of Payment</b>	<p><b>Amount (INR): Rs. 2600000 ( Twenty Six Lakh Only )</b></p> <p>Mode of Payment: Cash or Demand Draft or Bank Guarantee (in specified format) of a Scheduled Bank in favor of "Managing Director, RISL" payable at "Jaipur".</p>
<b>Period of Sale of Bidding Document (Start/ End Date)</b>	<ul style="list-style-type: none"> <li>Start Date: 18 October 2017 from 10 AM Onward</li> <li>End Date: 17 November 2017 upto 2:00 PM</li> </ul>
<b>Manner, Start/ End Date for the submission of Bids</b>	<ul style="list-style-type: none"> <li>Manner: Online at eProc website <a href="http://eproc.rajasthan.gov.in">http://eproc.rajasthan.gov.in</a></li> <li>Start Date: 18 October 2017 from 11 AM Onward</li> <li>End Date: 17 November 2017 upto 3:00 PM</li> </ul>






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(A Government of Rajasthan undertaking)

email: [info.risl@rajasthan.gov.in](mailto:info.risl@rajasthan.gov.in)  
website: [www.risl.rajasthan.gov.in](http://www.risl.rajasthan.gov.in)

<b>Date/ Time/ Place of Bid Opening</b>	<ul style="list-style-type: none"> <li>• Date : 17 November 2017 at 05:00 PM</li> <li>• Place: Room No. 316, RISL, 3<sup>rd</sup> Floor, IT Building, Yojana Bhawan Campus, Tilak Marg, C-Scheme, Jaipur (Rajasthan)</li> </ul>
<b>Bid Validity</b>	90 days from the bid submission deadline

**Note:**

- 1) The procuring entity reserves the complete right to cancel the bid process and reject any or all of the Bids.
- 2) No contractual obligation whatsoever shall arise from the bidding document/ bidding process unless and until a formal contract is signed and executed between the procuring entity and the successful bidder.
- 3) Procurement entity disclaims any factual/ or other errors in the bidding document (the onus is purely on the individual bidders to verify such information) and the information provided therein are intended only to help the bidders to prepare a logical bid-proposal.
- 4) The provisions of RTPPA Act 2012 and Rules thereto shall be applicable for this procurement. Furthermore, in case of any inconsistency in any of the provisions of this bidding document with the RTPP Act 2012 and Rules thereto, the later shall prevail.

  
**Chairman cum Managing Director, RISL**

## **2. PROJECT PROFILE & BACKGROUND INFORMATION**

### **1) Project Profile and Background Information**

- a. Government of Rajasthan (GoR) has taken a decision to implement holistic and integrated surveillance system which includes establishment and commissioning of Command and Control Centre (Video surveillance room, Dial 100 control room, Forensic investigation room, ITMS room, Data Center& FMS/NOC room and Power room) in all districts at the state of Rajasthan. The command and control center (CCC) would be established at location identified.
- b. GoR intends to select a bidder who can do civil, electrical and interior work to build command and control center.
- c. The indicative room covered by Command and Control Centre is as follows :

S.No	Room Name
1	Video Surveillance Room
2	Dial 100 Control Room
3	Forensic Investigation Room
4	ITMS Room
5	Power Room
6	OIC Room
	<b>Total</b>

**Note:** The above areas vary from site to site (all districts attached herewith the bid). The bidder should see the enclosed drawings of existing building and construction to be done. Also the bidder should visit site before quoting the financial bid.

### **3. PRE-QUALIFICATION/ ELIGIBILITY CRITERIA**

- 1) A bidder participating in the procurement process shall possess the following minimum pre-qualification/ eligibility criteria.

<b>S. No.</b>	<b>Basic Requirement</b>	<b>Specific Requirements</b>	<b>Documents Required</b>
1.	Legal Entity	The bidder should be a Proprietorship firm duly registered either under the Rajasthan Shops & Commercial Establishments Act, 1958 or any other Act of State/ Union, as applicable for dealing in the subject matter of procurement (Note: A self-certified declaration regarding the non-applicability of registration to any Act should be submitted by the bidder) OR A company registered under Indian Companies Act, 1956 OR A partnership firm registered under Indian Partnership Act, 1932.	- Copy of valid Registration Certificates  - In case of company, Copy of Certificates of incorporation In case of Contractual firm, Copy of registration certificate with any State Govt.  - Central Govt. Works Department  - In case of a consortium, a Consortium Agreement must be submitted, duly signed by the consortium members. The Consortium Agreement must clearly specify the stake of each member and outline their roles and responsibilities as per Annexure: 12
2.	Financial: Turnover from Civil Works – Part-A	The bidder should have average annual financial turnover of Rs. 15 Crores for last three financial year 2013-14, 2014-15, 2015-2016 or 2014-15, 2015-2016, 2016-17. Copies of balance sheets of last three financial years duly certified by a Chartered Accountant shall be submitted in support of the requisite financial Turnover.	CA Certificate with CA's Registration Number / Seal
3.	Financial: Turnover from Civil Works – Part-B	The bidder should have executed at least works related to control & command centre  One single order of similar nature of Rs. 10 crores OR Two order of similar nature of Rs. 6 crores OR Three order of similar nature of Rs. 4 crores  In any of last five financial years. (From 2011-12 to 2015-16) Completion / appreciation letters to be submitted along with the bid.	Work Order + Annexure-9 + Work Completion Certificates from the Client;  OR  Work Order + Annexure-9 + Self Certificate of Completion (Whenever require, RISL officials can be verified from Client);
4.	Networth	The net worth of the Bidder, as on 31 <sup>st</sup> March 2016/2017, should be Positive.	CA Certificate with CA's Registration Number / Seal
5.	Tax	The bidder should have a registered number	Copies of GST & PAN Card



S. No.	Basic Requirement	Specific Requirements	Documents Required
	Registration and Clearance	of i. GST registration certificate from GSTN, where his business is located ii. Income Tax / PAN number  The bidder should have cleared his VAT / CST dues up to 31st March 2017.	A self-declaration by the bidder for paying VAT / CST till 31.03.2017 along with a certificate of CA to the effect.
6.	Company Certificates	ISO 9001-2008	Copies of Certificates
7.	Mandatory Undertaking	Bidder should: a) not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons; b) not have, and their directors and officers not have, been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings; c) not have a conflict of interest in the procurement in question as specified in the bidding document. d) comply with the code of integrity as specified in the bidding document.	A Self Certified letter : Annexure-5: Self-Declaration

- 2) In addition to the provisions regarding the qualifications of the bidders as set out in (1) above: -
- the procuring entity shall disqualify a bidder as per the provisions under “Clause: Exclusion/ Disqualification of bids in Chapter-5: ITB”; and
  - the procuring entity may require a bidder, who was pre-qualified, to demonstrate its qualifications again in accordance with the same criteria used to pre-qualify such bidder. The procuring entity shall disqualify any bidder that fails to demonstrate its qualifications again, if requested to do so. The procuring entity shall promptly notify each bidder requested to demonstrate its qualifications again as to whether or not the bidder has done so to the satisfaction of the procuring entity.

#### **4. SCOPE OF WORK, DELIVERABLES & TIMELINES**

##### **1) Details of work (SoW)**

The work require construction in Districts of Rajasthan on different floors of existing building/New Construction which involves stone/Brick Masonry, RCC Slab, Plaster Work, Flooring, False ceiling, False Flooring, Painting, Electrical, Ancillary Development works, as per details given in Bill of Quantity complying to standard specifications as enclosed.

<b>S. No.</b>	<b>Description of work: Execution of detailed civil building, sanitary and electrical works for construction of Command and Control center for city surveillance</b>
a.	The work includes dismantling and demolishing work Earth work, anti-termite treatment for new construction, mortar, concrete ,RCC work including steal shuttering, Brick / stone masonry, Marble /granite/tile work, steel and fencing work, Roofing, finishing work, water proofing, wood work, Aluminium & PVC work, water supply, drainage & disposal, minor repair and modification works, LT electrical works, outer development works, Access flooring, False ceiling work, Debris removal as per specifications and as per detailed drawing and makes approved by department .
b.	The work is to be executed either on ground floor or on first, second, third floor and fourth floor as per the availability of site. The contractor has to quote accordingly for construction as per drawings enclosed.
c.	The work is of turnkey nature from Electrical and water connection to completion of the work
d.	The contractor should quote with cost of material, Labour T & P & cost of water for suitable construction and Electricity required with all leads and lifts involved.
e.	All constructions should be as per IS codes for strength and specifications of material
f.	The contractor should see the site before quoting and understand the amount of work to be executed with in a period of 3 months of placement of order
g.	The contractor should see the conceptual drawing enclosed or in the office of RISL, before quoting
h.	The contractor should quote for all necessary deductions of Income tax, works contract tax, service tax , mining tax and other statutory deductions to be made

##### **2) Project Deliverables, Milestones & Time Schedule as per site progress at different locations**

<b>S. No.</b>	<b>Phase</b>	<b>Deliverable</b>	<b>Timelines</b>	<b>Payment</b>
1.	First Running Bill	Measurement of the work done duly sealed and signed by Engineer Incharge	Within 30 Days	Payment will be released on the basis of actual work done with statutory deductions*
2.	Second Running Bill	Measurement of the work done duly sealed and signed by Engineer Incharge	Within 75 Days	Payment will be released on the basis of actual work done with statutory deductions*
3.	Final Bill	Measurement of the work done duly sealed and signed by Engineer Incharge	Within 120 Days	Payment will be released on the basis of actual work done with statutory deductions*

## **5. INSTRUCTION TO BIDDERS (ITB)**

### **1) Sale of Bidding/ Tender Documents**

- a) The sale of bidding documents shall be commenced from the date of publication of Notice Inviting Bids (NIB) and shall be stopped one day prior to the date of opening of Bid. The complete bidding document shall also be placed on the State Public Procurement Portal and e-Procurement portal. The prospective bidders shall be permitted to download the bidding document from the websites and pay its price while submitting the Bid to the procuring entity.
- b) The bidding documents shall be made available to any prospective bidder who pays the price for it in cash or by bank demand draft, banker's cheque.
- c) Bidding documents purchased by Principal of any concern may be used by its authorised sole selling agents/ marketing agents/ distributors/ sub-distributors and authorised dealers or vice versa.

### **2) Pre-bid Meeting/ Clarifications**

- a) Any prospective bidder may, in writing, seek clarifications from the procuring entity in respect of the bidding documents.
- b) A pre-bid conference is also scheduled by the procuring entity as per the details mentioned in the NIB and to clarify doubts of potential bidders in respect of the procurement and the records of such conference shall be intimated to all bidders and where applicable, shall be published on the respective websites.
- c) The period within which the bidders may seek clarifications under (a) above and the period within which the procuring entity shall respond to such requests for clarifications shall be as under: -
  - a. Last date of submitting clarifications requests by the bidder: as per NIB
  - b. Response to clarifications by procuring entity: as per NIB
- d) The minutes and response, if any, shall be provided promptly to all bidders to which the procuring entity provided the bidding documents, so as to enable those bidders to take minutes into account in preparing their bids, and shall be published on the respective websites.

### **3) Changes in the Bidding Document**

- a) At any time, prior to the deadline for submission of Bids, the procuring entity may for any reason, whether on its own initiative or as a result of a request for clarification by a bidder, modify the bidding documents by issuing an addendum in accordance with the provisions below.
- b) In case, any modification is made to the bidding document or any clarification is issued which materially affects the terms contained in the bidding document, the procuring entity shall publish such modification or clarification in the same manner as the publication of the initial bidding document.
- c) In case, a clarification or modification is issued to the bidding document, the procuring entity may, prior to the last date for submission of Bids, extend such time limit in order to allow the bidders sufficient time to take into account the clarification or modification, as the case may be, while submitting their Bids.
- d) Any bidder, who has submitted his Bid in response to the original invitation, shall have the opportunity to modify or re-submit it, as the case may be, within the period of time originally allotted or such extended time as may be allowed for submission of Bids, when changes are made to the bidding document by the procuring entity:  
Provided that the Bid last submitted or the Bid as modified by the bidder shall be considered for evaluation.

#### 4) Period of Validity of Bids

- Bids submitted by the bidders shall remain valid during the period specified in the NIB/ bidding document. A Bid valid for a shorter period shall be rejected by the procuring entity as non-responsive Bid.
- Prior to the expiry of the period of validity of Bids, the procuring entity, in exceptional circumstances, may request the bidders to extend the bid validity period for an additional specified period of time. A bidder may refuse the request and such refusal shall be treated as withdrawal of Bid and in such circumstances bid security shall not be forfeited.
- Bidders that agree to an extension of the period of validity of their Bids shall extend or get extended the period of validity of bid securities submitted by them or submit new bid securities to cover the extended period of validity of their bids. A bidder whose bid security is not extended, or that has not submitted a new bid security, is considered to have refused the request to extend the period of validity of its Bid.

#### 5) Format and Signing of Bids

- Bidders must submit their bids online at e-Procurement portal i.e. <http://eproc.rajasthan.gov.in>.
- All the documents uploaded should be digitally signed with the DSC of authorized signatory.
- A Single stage- Two part/ cover system shall be followed for the Bid: -
  - Technical Bid, including fee details, eligibility & technical documents
  - Financial Bid
- The technical bid shall consist of the following documents: -

S. No.	Documents Type	Document Format
<b>Fee Details</b>		
1.	Bidding document Fee (Tender Fee)	Proof of submission (PDF)
2.	RISL Processing Fee (e-Procurement)	Instrument/ Proof of submission (PDF)
3.	Bid Security	Instrument/ Proof of submission (PDF)
<b>Eligibility Documents</b>		
4.	Bidder's Authorisation Certificate along with copy of PoA/ Board resolution stating that Auth. Signatory can sign the bid/ contract on behalf of the firm.	As per Annexure-4 (PDF)
5.	Self-Declaration	As per Annexure-5 (PDF)
6.	Project References	As per Annexure-9 (PDF)
7.	Technical Bid Cover Letter	As per Annexure-11 (PDF)
8.	All the documents mentioned in the "Eligibility Criteria", in support of the eligibility	As per the format mentioned against the respective eligibility criteria clause (PDF)

- Financial bid shall include the following documents: -

S. No.	Documents Type	Document Format
1.	Financial Bid – Cover Letter	On bidder's letter head duly signed by authorized signatory as per Annexure-6 (PDF)
2.	Financial Bid - Format	As per BoQ (.XLS) format available on e-Procurement portal

- The bidder should ensure that all the required documents, as mentioned in this bidding document, are submitted along with the Bid and in the prescribed format only. Non-submission of the required documents

or submission of the documents in a different format/ contents may lead to the rejections of the Bid submitted by the bidder.

**6) Cost & Language of Bidding**

- a) The Bidder shall bear all costs associated with the preparation and submission of its Bid, and the procuring entity shall not be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- b) The Bid, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and the procuring entity, shall be written only in English Language. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English/ Hindi language, in which case, for purposes of interpretation of the Bid, such translation shall govern.

**7) Alternative/ Multiple Bids**

Alternative/ Multiple Bids shall not be considered at all.

**8) Bid Security**

Every bidder, if not exempted, participating in the procurement process will be required to furnish the bid security as specified in the NIB.

- a) In lieu of bid security, a bid securing declaration shall be taken from Departments of the State Government, Undertakings, Corporations, Autonomous bodies, Registered Societies and Cooperative Societies which are owned or controlled or managed by the State Government and Government Undertakings of the Central Government.
- b) Bid security instrument or cash receipt of bid security or a bid securing declaration shall necessarily accompany the technical bid.
- c) Bid security of a bidder lying with the procuring entity in respect of other bids awaiting decision shall not be adjusted towards bid security for the fresh bids. The bid security originally deposited may, however, be taken into consideration in case bids are re-invited.
- d) The bid security may be given in the form of a banker's cheque or demand draft or bank guarantee, in specified format, of a scheduled bank or deposited through eGRAS. The bid security must remain valid thirty days beyond the original or extended validity period of the bid.
- e) The issuer of the bid security and the confirmer, if any, of the bid security, as well as the form and terms of the bid security, must be acceptable to the procuring entity.
- f) Prior to presenting a submission, a bidder may request the procuring entity to confirm the acceptability of proposed issuer of a bid security or of a proposed confirmer, if required. The procuring entity shall respond promptly to such a request.
- g) The bank guarantee presented as bid security shall be got confirmed from the concerned issuing bank. However, the confirmation of the acceptability of a proposed issuer or of any proposed confirmer does not preclude the procuring entity from rejecting the bid security on the ground that the issuer or the confirmer, as the case may be, has become insolvent or has otherwise ceased to be creditworthy.
- h) The bid security of unsuccessful bidders shall be refunded soon after final acceptance of successful bid and signing of Agreement and submitting performance security.
- i) The Bid security taken from a bidder shall be forfeited, including the interest, if any, in the following cases, namely: -
  - a. when the bidder withdraws or modifies its bid after opening of bids;

- b. when the bidder does not execute the agreement, if any, after placement of supply/ work order within the specified period;
- c. when the bidder fails to commence the supply of the goods or service or execute work as per supply/ work order within the time specified;
- d. when the bidder does not deposit the performance security within specified period after the supply/ work order is placed; and
- e. if the bidder breaches any provision of code of integrity, prescribed for bidders, specified in the bidding document.
- j) Notice will be given to the bidder with reasonable time before bid security deposited is forfeited.
- k) No interest shall be payable on the bid security.
- l) In case of the successful bidder, the amount of bid security may be adjusted in arriving at the amount of the Performance Security, or refunded if the successful bidder furnishes the full amount of performance security.
- m) The procuring entity shall promptly return the bid security after the earliest of the following events, namely:-
  - a. the expiry of validity of bid security;
  - b. the execution of agreement for procurement and performance security is furnished by the successful bidder;
  - c. the cancellation of the procurement process; or
  - d. the withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

#### **9) Deadline for the submission of Bids**

- a) Bids shall be received online at e-Procurement portal and up to the time and date specified in the NIB.
- b) Normally, the date of submission and opening of Bids would not be extended. In exceptional circumstances or when the bidding document are required to be substantially modified as a result of discussions in pre-bid meeting/ conference or otherwise and the time with the prospective bidders for preparation of Bids appears insufficient, the date may be extended by the procuring entity. In such case the publicity of extended time and date shall be given in the manner, as was given at the time of issuing the original NIB and shall also be placed on the State Public Procurement Portal, if applicable. It would be ensured that after issue of corrigendum, reasonable time is available to the bidders for preparation and submission of their Bids. The procuring entity shall also publish such modifications in the bidding document in the same manner as the publication of initial bidding document. If, in the office of the Bids receiving and opening authority, the last date of submission or opening of Bids is a non-working day, the Bids shall be received or opened on the next working day.

#### **10) Withdrawal, Substitution, and Modification of Bids**

- a) If permitted on e-Procurement portal, a Bidder may withdraw its Bid or re-submit its Bid (technical and/ or financial cover) as per the instructions/ procedure mentioned at e-Procurement website under the section "Bidder's Manual Kit".
- b) Bids withdrawn shall not be opened and processes further.

#### **11) Opening of Bids**

- a) The Bids shall be opened by the bid opening & evaluation committee on the date and time mentioned in the NIB in the presence of the bidders or their authorised representatives who choose to be present.



- b) The committee may co-opt experienced persons in the committee to conduct the process of Bid opening.
- c) The committee shall prepare a list of the bidders or their representatives attending the opening of Bids and obtain their signatures on the same. The list shall also contain the representative's name and telephone number and corresponding bidders' names and addresses. The authority letters, if any, brought by the representatives shall be attached to the list. The list shall be signed by all the members of Bid opening committee with date and time of opening of the Bids.
- d) All the documents comprising of technical Bid/ cover shall be opened & downloaded from the e-Procurement website (only for the bidders who have submitted the prescribed fee(s) to RISL).
- e) The committee shall conduct a preliminary scrutiny of the opened technical Bids to assess the prima-facie responsiveness and ensure that the:-
  - a. bid is accompanied by bidding document fee, bid security or bid securing declaration, and processing fee (if applicable);
  - b. bid is valid for the period, specified in the bidding document;
  - c. bid is unconditional and the bidder has agreed to give the required performance security; and
  - d. other conditions, as specified in the bidding document are fulfilled.
  - e. any other information which the committee may consider appropriate.
- f) No Bid shall be rejected at the time of Bid opening except the Bids not accompanied with the proof of payment or instrument of the required price of bidding document, processing fee and bid security.
- g) The Financial Bid cover shall be kept unopened and shall be opened later on the date and time intimated to the bidders who qualify in the evaluation of technical Bids.

#### **12) Selection Method:**

- a) The selection method is Least Cost Based Selection (LCBS or L1).

#### **13) Clarification of Bids**

- a) To assist in the examination, evaluation, comparison and qualification of the Bids, the bid evaluation committee may, at its discretion, ask any bidder for a clarification regarding its Bid. The committee's request for clarification and the response of the bidder shall be through the e-Procurement portal.
- b) Any clarification submitted by a bidder with regard to its Bid that is not in response to a request by the committee shall not be considered.
- c) No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the committee in the evaluation of the financial Bids.
- d) No substantive change to qualification information or to a submission, including changes aimed at making an unqualified bidder, qualified or an unresponsive submission, responsive shall be sought, offered or permitted.

#### **14) Evaluation & Tabulation of Technical Bids**

##### **a) Determination of Responsiveness**

- a. The bid evaluation committee shall determine the responsiveness of a Bid on the basis of bidding document and the provisions of pre-qualification/ eligibility criteria of the bidding document.
- b. A responsive Bid is one that meets the requirements of the bidding document without any material deviation, reservation, or omission where: -
  - i. "deviation" is a departure from the requirements specified in the bidding document;
  - ii. "reservation" is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding document; and

- iii. "Omission" is the failure to submit part or all of the information or documentation required in the bidding document.
  - c. A material deviation, reservation, or omission is one that,
    - i. if accepted, shall:-
      - 1. affect in any substantial way the scope, quality, or performance of the subject matter of procurement specified in the bidding documents; or
      - 2. limits in any substantial way, inconsistent with the bidding documents, the procuring entity's rights or the bidder's obligations under the proposed contract; or
    - ii. if rectified, shall unfairly affect the competitive position of other bidders presenting responsive Bids.
  - d. The bid evaluation committee shall examine the technical aspects of the Bid in particular, to confirm that all requirements of bidding document have been met without any material deviation, reservation or omission.
  - e. The procuring entity shall regard a Bid as responsive if it conforms to all requirements set out in the bidding document, or it contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirements set out in the bidding document, or if it contains errors or oversights that can be corrected without touching on the substance of the Bid.
- b) Non-material Non-conformities in Bids**
- a. The bid evaluation committee may waive any non-conformities in the Bid that do not constitute a material deviation, reservation or omission, the Bid shall be deemed to be substantially responsive.
  - b. The bid evaluation committee may request the bidder to submit the necessary information or document like audited statement of accounts/ CA Certificate, Registration Certificate, VAT/ CST clearance certificate, ISO/ CMMi Certificates, etc. within a reasonable period of time. Failure of the bidder to comply with the request may result in the rejection of its Bid.
  - c. The bid evaluation committee may rectify non-material nonconformities or omissions on the basis of the information or documentation received from the bidder under (b) above.
- c) Technical Evaluation Criteria**
- Bids shall be evaluated based on the documents submitted as part of technical bid. Technical bid shall contain all the documents as asked in the clause "Format and signing of Bids".
- d) Tabulation of Technical Bids**
- a. If Technical Bids have been invited, they shall be tabulated by the bid evaluation committee in the form of a comparative statement to evaluate the qualification of the bidders against the criteria for qualification set out in the bidding document.
  - b. The members of bid evaluation committee shall give their recommendations below the table as to which of the bidders have been found to be qualified in evaluation of Technical Bids and sign it.
  - e) The number of firms qualified in technical evaluation, if less than three and it is considered necessary by the procuring entity to continue with the procurement process, reasons shall be recorded in writing and included in the record of the procurement proceedings.
  - f) The bidders who qualified in the technical evaluation shall be informed in writing about the date, time and place of opening of their financial Bids.

## **15) Evaluation & Tabulation of Financial Bids**

Subject to the provisions of "Acceptance of Successful Bid and Award of Contract" below, the procuring entity shall take following actions for evaluation of financial Bids:-

- a) For two part/ cover Bid system, the financial Bids of the bidders who qualified in technical evaluation shall be opened online at the notified time, date and place by the bid evaluation committee in the presence of the bidders or their representatives who choose to be present;
- b) the process of opening of the financial Bids shall be similar to that of technical Bids.
- c) the names of the bidders, the rates given by them and conditions put, if any, shall be read out and recorded;
- d) conditional Bids are liable to be rejected;
- e) the evaluation shall include all costs and all taxes and duties applicable to the bidder as per law of the Central/ State Government/ Local Authorities, and the evaluation criteria specified in the bidding documents shall only be applied;
- f) the offers shall be evaluated and marked L1, L2, L3 etc. L1 being the lowest offer and then others in ascending order in case price is the only criteria, or evaluated and marked H1, H2, H3 etc. in descending order.
- g) the bid evaluation committee shall prepare a comparative statement in tabular form in accordance with rules along with its report on evaluation of financial Bids and recommend the lowest offer for acceptance to the procuring entity, if price is the only criterion, or most advantageous Bid in other case;
- h) The members of bids evaluation committee shall give their recommendations below the table regarding lowest Bid or most advantageous Bid and sign it.
- i) it shall be ensured that the offer recommended for sanction is justifiable looking to the prevailing market rates of the goods, works or service required to be procured.

**16) Dividing quantities among more than one bidder at the time of award**

Order will be placed to L1 bidder only. No division will be made.

**17) Correction of Arithmetic Errors in Financial Bids**

The bid evaluation committee shall correct arithmetical errors in substantially responsive Bids, on the following basis, namely: -

- a) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the bid evaluation committee there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- b) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- c) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to clause (a) and (b) above.

**18) Price/ purchase preference in evaluation**

Price and/ or purchase preference notified by the State Government (GoR) and as mentioned in the bidding document shall be considered in the evaluation of Bids and award of contract.

**19) Negotiations**

- a) Except in case of procurement by method of single source procurement or procurement by competitive negotiations, to the extent possible, no negotiations shall be conducted after the pre-bid stage. All clarifications needed to be sought shall be sought in the pre-bid stage itself.

- b) Negotiations may, however, be undertaken only with the lowest or most advantageous bidder when the rates are considered to be much higher than the prevailing market rates.
- c) The bid evaluation committee shall have full powers to undertake negotiations. Detailed reasons and results of negotiations shall be recorded in the proceedings.
- d) The lowest or most advantageous bidder shall be informed in writing either through messenger or by registered letter and e-mail (if available). A minimum time of seven days shall be given for calling negotiations. In case of urgency the bid evaluation committee, after recording reasons, may reduce the time, provided the lowest or most advantageous bidder has received the intimation and consented to regarding holding of negotiations.
- e) Negotiations shall not make the original offer made by the bidder inoperative. The bid evaluation committee shall have option to consider the original offer in case the bidder decides to increase rates originally quoted or imposes any new terms or conditions.
- f) In case of non-satisfactory achievement of rates from lowest or most advantageous bidder, the bid evaluation committee may choose to make a written counter offer to the lowest or most advantageous bidder and if this is not accepted by him, the committee may decide to reject and re-invite Bids or to make the same counter-offer first to the second lowest or most advantageous bidder, then to the third lowest or most advantageous bidder and so on in the order of their initial standing and work/ supply order be awarded to the bidder who accepts the counter-offer. This procedure would be used in exceptional cases only.
- g) In case the rates even after the negotiations are considered very high, fresh Bids shall be invited.

## **20) Exclusion of Bids/ Disqualification**

- a) A procuring entity shall exclude/ disqualify a Bid, if: -
  - a. the information submitted, concerning the qualifications of the bidder, was false or constituted a misrepresentation; or
  - b. the information submitted, concerning the qualifications of the bidder, was materially inaccurate or incomplete; and
  - c. the bidder is not qualified as per pre-qualification/ eligibility criteria mentioned in the bidding document;
  - d. the Bid materially departs from the requirements specified in the bidding document or it contains false information;
  - e. the bidder, submitting the Bid, his agent or any one acting on his behalf, gave or agreed to give, to any officer or employee of the procuring entity or other governmental authority a gratification in any form, or any other thing of value, so as to unduly influence the procurement process;
  - f. a bidder, in the opinion of the procuring entity, has a conflict of interest materially affecting fair competition.
- b) A Bid shall be excluded/ disqualified as soon as the cause for its exclusion/ disqualification is discovered.
- c) Every decision of a procuring entity to exclude a Bid shall be for reasons to be recorded in writing and shall be: -
  - a. communicated to the concerned bidder in writing;
  - b. published on the State Public Procurement Portal, if applicable.

## **21) Lack of competition**

- a) A situation may arise where, if after evaluation of Bids, the bid evaluation committee may end-up with one responsive Bid only. In such situation, the bid evaluation committee would check as to whether while

floating the NIB all necessary requirements to encourage competition like standard bid conditions, industry friendly specifications, wide publicity, sufficient time for formulation of Bids, etc were fulfilled. If not, the NIB would be re-floated after rectifying deficiencies. The bid process shall be considered valid even if there is one responsive Bid, provided that: -

- a. the Bid is technically qualified;
  - b. the price quoted by the bidder is assessed to be reasonable;
  - c. the Bid is unconditional and complete in all respects;
  - d. there are no obvious indicators of cartelization amongst bidders; and
  - e. the bidder is qualified as per the provisions of pre-qualification/ eligibility criteria in the bidding document
- b) The bid evaluation committee shall prepare a justification note for approval by the next higher authority of the procuring entity, with the concurrence of the accounts member.
  - c) In case of dissent by any member of bid evaluation committee, the next higher authority in delegation of financial powers shall decide as to whether to sanction the single Bid or re-invite Bids after recording reasons.
  - d) If a decision to re-invite the Bids is taken, market assessment shall be carried out for estimation of market depth, eligibility criteria and cost estimate.

## **22) Acceptance of the successful Bid and award of contract**

- a) The procuring entity after considering the recommendations of the bid evaluation committee and the conditions of Bid, if any, financial implications, trials, sample testing and test reports, etc., shall accept or reject the successful Bid. If any member of the bid evaluation committee, has disagreed or given its note of dissent, the matter shall be referred to the next higher authority, as per delegation of financial powers, for decision.
- b) Decision on Bids shall be taken within original validity period of Bids and time period allowed to procuring entity for taking decision. If the decision is not taken within the original validity period or time limit allowed for taking decision, the matter shall be referred to the next higher authority in delegation of financial powers for decision.
- c) Before award of the contract, the procuring entity shall ensure that the price of successful Bid is reasonable and consistent with the required quality.
- d) A Bid shall be treated as successful only after the competent authority has approved the procurement in terms of that Bid.
- e) The procuring entity shall award the contract to the bidder whose offer has been determined to be the lowest or most advantageous in accordance with the evaluation criteria set out in the bidding document and if the bidder has been determined to be qualified to perform the contract satisfactorily on the basis of qualification criteria fixed for the bidders in the bidding document for the subject matter of procurement.
- f) Prior to the expiration of the period of bid validity, the procuring entity shall inform the successful bidder, in writing, that its Bid has been accepted.
- g) As soon as a Bid is accepted by the competent authority, its written intimation shall be sent to the concerned bidder by registered post or email and asked to execute an agreement in the format given in the bidding documents on a non-judicial stamp of requisite value and deposit the amount of performance security or a performance security declaration, if applicable, within a period specified in the bidding documents or where the period is not specified in the bidding documents then within fifteen days from the date on which the letter of acceptance or letter of intent is dispatched to the bidder.

- h) If the issuance of formal letter of acceptance is likely to take time, in the meanwhile a Letter of Intent (LOI) may be sent to the bidder. The acceptance of an offer is complete as soon as the letter of acceptance or letter of intent is posted and/ or sent by email (if available) to the address of the bidder given in the bidding document. Until a formal contract is executed, the letter of acceptance or LOI shall constitute a binding contract.
- i) The bid security of the bidders who's Bids could not be accepted shall be refunded soon after the contract with the successful bidder is signed and its performance security is obtained.

### **23) Information and publication of award**

Information of award of contract shall be communicated to all participating bidders and published on the respective website(s) as specified in NIB.

### **24) Procuring entity's right to accept or reject any or all Bids**

The Procuring entity reserves the right to accept or reject any Bid, and to annul (cancel) the bidding process and reject all Bids at any time prior to award of contract, without thereby incurring any liability to the bidders.

### **25) Right to vary quantity and Repeat Orders**

- a) If the procuring entity does not procure any subject matter of procurement or procures less than the quantity specified in the bidding documents due to change in circumstances, the bidder shall not be entitled for any claim or compensation.
- b) Repeat orders for extra items or additional quantities may be placed on the rates and conditions given in the contract. Delivery or completion period may also be proportionately increased. The limits of repeat order shall be as under: -
  - 1) 50% of the quantity of the individual items and 50% of the value of original contract in case of works; and
  - 2) 50% of the value of goods or services of the original contract.

The quantities mentioned in the Bid are indicative/ approx. and shall only be used for the purpose of financial bid evaluation and the Payments shall be made as per actual quantities supplied, installed and commissioned as per scope of work. However, Lump sum and Job cost shall be paid as per quote provided by bidder.

- c) The items of which quantities are not mentioned (Rate Only), the quantity of such items may be procured as per requirement of the project.

### **26) Rate Analysis for Items Not Given in BoQ, But May Require at Site**

- i. Some of the items may be require at site as per technical requirement, which are not available in BoQ as items and quantity.
- ii. The following process will be adopted for such items:-
  - a. The basic rate giving in the companies/OEM price list of material.
  - b. Prevailing discount in the market.
  - c. Addition of excise duty CST, VAT or GST (Whichever is applicable) on basic rates.
  - d. Transportation Cost.
  - e. Installation cost, Service Tax on installation cost.
  - f. Implementation cost on procurement & installation cost.
  - g. 10 % of Contractor Profit.



## **27) Performance Security**

- a) Prior to execution of agreement, Performance security shall be solicited from all successful bidders except the departments of the State Government and undertakings, corporations, autonomous bodies, registered societies, co-operative societies which are owned or controlled or managed by the State Government and undertakings of the Central Government. However, a performance security declaration shall be taken from them. The State Government may relax the provision of performance security in particular procurement or any class of procurement.
- b) The amount of performance security of 5% will be taken at the time of signing of agreement and balance 5% will be deducted from running bills.
- c) Performance security shall be furnished in any one of the following forms: -
  - a. Bank Draft or Banker's Cheque of a scheduled bank;
  - b. National Savings Certificates and any other script/ instrument under National Savings Schemes for promotion of small savings issued by a Post Office in Rajasthan, if the same can be pledged under the relevant rules. They shall be accepted at their surrender value at the time of bid and formally transferred in the name of procuring entity with the approval of Head Post Master;
  - c. Bank guarantee/s of a scheduled bank. It shall be got verified from the issuing bank. Other conditions regarding bank guarantee shall be same as mentioned in the bidding document for bid security;
  - d. Fixed Deposit Receipt (FDR) of a scheduled bank. It shall be in the name of procuring entity on account of bidder and discharged by the bidder in advance. The procuring entity shall ensure before accepting the FDR that the bidder furnishes an undertaking from the bank to make payment/ premature payment of the FDR on demand to the procuring entity without requirement of consent of the bidder concerned. In the event of forfeiture of the performance security, the Fixed Deposit shall be forfeited along with interest earned on such Fixed Deposit.
- d) Performance security furnished in the form specified in clause [a.] to [d.] of (c) above shall remain valid for a period of 60 days beyond the date of completion of all contractual period.
- e) Forfeiture of Security Deposit: Security amount in full or part may be forfeited, including interest, if any, in the following cases:-
  - a. When any terms and condition of the contract is breached.
  - b. When the bidder fails to make complete supply satisfactorily.
  - c. if the bidder breaches any provision of code of integrity, prescribed for bidders, specified in the bidding document.
- f) Notice will be given to the bidder with reasonable time before PSD deposited is forfeited.
- g) No interest shall be payable on the PSD.

## **28) Execution of agreement**

- a) A procurement contract shall come into force from the date on which the letter of acceptance or letter of intent is despatched to the bidder.
- b) The successful bidder shall sign the procurement contract within 15 days from the date on which the letter of acceptance or letter of intent is despatched to the successful bidder.
- c) If the bidder, who's Bid has been accepted, fails to sign a written procurement contract or fails to furnish the required performance security within specified period, the procuring entity shall take action against the successful bidder as per the provisions of the bidding document and Act. The procuring entity may, in such case, cancel the procurement process or if it deems fit, offer for acceptance the rates of lowest or most

advantageous bidder to the next lowest or most advantageous bidder, in accordance with the criteria and procedures set out in the bidding document.

- d) The bidder will be required to execute the agreement on a non-judicial stamp of specified value at its cost and to be purchase from anywhere in Rajasthan only.

## **29) Confidentiality**

- a) Notwithstanding anything contained in this bidding document but subject to the provisions of any other law for the time being in force providing for disclosure of information, a procuring entity shall not disclose any information if such disclosure, in its opinion, is likely to: -
  - a. impede enforcement of any law;
  - b. affect the security or strategic interests of India;
  - c. affect the intellectual property rights or legitimate commercial interests of bidders;
  - d. affect the legitimate commercial interests of the procuring entity in situations that may include when the procurement relates to a project in which the procuring entity is to make a competitive bid, or the intellectual property rights of the procuring entity.
- b) The procuring entity shall treat all communications with bidders related to the procurement process in such manner as to avoid their disclosure to competing bidders or to any other person not authorised to have access to such information.
- c) The procuring entity may impose on bidders and sub-contractors, if there are any for fulfilling the terms of the procurement contract, conditions aimed at protecting information, the disclosure of which violates (a) above.
- d) In addition to the restrictions specified above, the procuring entity, while procuring a subject matter of such nature which requires the procuring entity to maintain confidentiality, may impose condition for protecting confidentiality of such information.

## **30) Cancellation of procurement process**

- a) If any procurement process has been cancelled, it shall not be reopened but it shall not prevent the procuring entity from initiating a new procurement process for the same subject matter of procurement, if required.
- b) A procuring entity may, for reasons to be recorded in writing, cancel the process of procurement initiated by it -
  - a. at any time prior to the acceptance of the successful Bid; or
  - b. after the successful Bid is accepted in accordance with (d) and (e) below.
- c) The procuring entity shall not open any bids or proposals after taking a decision to cancel the procurement and shall return such unopened bids or proposals.
- d) The decision of the procuring entity to cancel the procurement and reasons for such decision shall be immediately communicated to all bidders that participated in the procurement process.
- e) If the bidder who's Bid has been accepted as successful fails to sign any written procurement contract as required, or fails to provide any required security for the performance of the contract, the procuring entity may cancel the procurement process.
- f) If a bidder is convicted of any offence under the Act, the procuring entity may: -
  - a. cancel the relevant procurement process if the Bid of the convicted bidder has been declared as successful but no procurement contract has been entered into;

- b. rescind (cancel) the relevant contract or forfeit the payment of all or a part of the contract value if the procurement contract has been entered into between the procuring entity and the convicted bidder.

### **31) Code of Integrity for Bidders**

- a) No person participating in a procurement process shall act in contravention of the code of integrity prescribed by the State Government.
- b) The code of integrity includes provisions for: -
  - a. Prohibiting
    - i. any offer, solicitation or acceptance of any bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;
    - ii. any omission, including a misrepresentation that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
    - iii. any collusion, bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
    - iv. improper use of information shared between the procuring entity and the bidders with an intent to gain unfair advantage in the procurement process or for personal gain;
    - v. any financial or business transactions between the bidder and any officer or employee of the procuring entity;
    - vi. any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
    - vii. any obstruction of any investigation or audit of a procurement process;
  - b. disclosure of conflict of interest;
  - c. disclosure by the bidder of any previous transgressions with any entity in India or any other country during the last three years or of any debarment by any other procuring entity.
- c) Without prejudice to the provisions below, in case of any breach of the code of integrity by a bidder or prospective bidder, as the case may be, the procuring entity may take appropriate measures including: -
  - a. exclusion of the bidder from the procurement process;
  - b. calling-off of pre-contract negotiations and forfeiture or encashment of bid security;
  - c. forfeiture or encashment of any other security or bond relating to the procurement;
  - d. recovery of payments made by the procuring entity along with interest thereon at bank rate;
  - e. cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;
  - f. debarment of the bidder from participation in future procurements of the procuring entity for a period not exceeding three years.

### **32) Interference with Procurement Process**

A bidder, who: -

- a) withdraws from the procurement process after opening of financial bids;
- b) withdraws from the procurement process after being declared the successful bidder;
- c) fails to enter into procurement contract after being declared the successful bidder;
- d) fails to provide performance security or any other document or security required in terms of the bidding documents after being declared the successful bidder, without valid grounds,

shall, in addition to the recourse available in the bidding document or the contract, be punished with fine which may extend to fifty lakh rupees or ten per cent of the assessed value of procurement, whichever is less.

### **33) Appeals**

- a) Subject to “Appeal not to lie in certain cases” below, if any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of the Act or the rules or guidelines issued thereunder, he may file an appeal to such officer of the procuring entity, as may be designated by it for the purpose, within a period of 10 days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:
  - a. Provided that after the declaration of a bidder as successful in terms of “Award of Contract”, the appeal may be filed only by a bidder who has participated in procurement proceedings:
  - b. Provided further that in case a procuring entity evaluates the technical Bid before the opening of the financial Bid, an appeal related to the matter of financial Bid may be filed only by a bidder whose technical Bid is found to be acceptable.
- b) The officer to whom an appeal is filed under (a) above shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within 30 days from the date of filing of the appeal.
- c) If the officer designated under (a) above fails to dispose of the appeal filed under that sub-section within the period specified in (c) above, or if the bidder or prospective bidder or the procuring entity is aggrieved by the order passed, the bidder or prospective bidder or the procuring entity, as the case may be, may file a second appeal to an officer or authority designated by the State Government in this behalf within 15 days from the expiry of the period specified in (c) above or of the date of receipt of the order passed under (b) above, as the case may be.
- d) The officer or authority to which an appeal is filed under (c) above shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within 30 days from the date of filing of the appeal:
- e) The officer or authority to which an appeal may be filed under (a) or (d) above shall be: First Appellate Authority: Principal Secretary, IT&C, GoR  
Second Appellate Authority: Secretary (Budget), Finance Department, GoR
- f) Form of Appeal:
  - a. Every appeal under (a) and (c) above shall be as per Annexure-10 along with as many copies as there are respondents in the appeal.
  - b. Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
  - c. Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorised representative.
- g) Fee for Appeal: Fee for filing appeal:
  - a. Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.
  - b. The fee shall be paid in the form of bank demand draft or banker’s cheque of a Scheduled Bank payable in the name of Appellate Authority concerned.
- h) Procedure for disposal of appeal:

- a. The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
  - b. On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall:-
    - i. hear all the parties to appeal present before him; and
    - ii. peruse or inspect documents, relevant records or copies thereof relating to the matter.
  - c. After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
  - d. The order passed under (c) shall also be placed on the State Public Procurement Portal.
- i) No information which would impair the protection of essential security interests of India, or impede the enforcement of law or fair competition, or prejudice the legitimate commercial interests of the bidder or the procuring entity, shall be disclosed in a proceeding under an appeal.

### **34) Stay of procurement proceedings**

While hearing of an appeal, the officer or authority hearing the appeal may, on an application made in this behalf and after affording a reasonable opportunity of hearing to the parties concerned, stay the procurement proceedings pending disposal of the appeal, if he, or it, is satisfied that failure to do so is likely to lead to miscarriage of justice.

### **35) Vexatious Appeals & Complaints**

Whoever intentionally files any vexatious, frivolous or malicious appeal or complaint under the “The Rajasthan Transparency Public Procurement Act 2012”, with the intention of delaying or defeating any procurement or causing loss to any procuring entity or any other bidder, shall be punished with fine which may extend to twenty lakh rupees or five per cent of the value of procurement, whichever is less.

### **36) Offenses by Firms/ Companies**

- a) Where an offence under “The Rajasthan Transparency Public Procurement Act 2012” has been committed by a company, every person who at the time the offence was committed was in charge of and was responsible to the company for the conduct of the business of the company, as well as the company, shall be deemed to be guilty of having committed the offence and shall be liable to be proceeded against and punished accordingly:  
Provided that nothing contained in this sub-section shall render any such person liable for any punishment if he proves that the offence was committed without his knowledge or that he had exercised all due diligence to prevent the commission of such offence.
- b) Notwithstanding anything contained in (a) above, where an offence under this Act has been committed by a company and it is proved that the offence has been committed with the consent or connivance of or is attributable to any neglect on the part of any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also be deemed to be guilty of having committed such offence and shall be liable to be proceeded against and punished accordingly.
- c) For the purpose of this section-
  - a. "company" means a body corporate and includes a limited liability partnership, firm, registered society or co- operative society, trust or other association of individuals; and
  - b. "director" in relation to a limited liability partnership or firm, means a partner in the firm.

- d) Abetment of certain offenses: Whoever abets an offence punishable under this Act, whether or not that offence is committed in consequence of that abetment, shall be punished with the punishment provided for the offence.

### **37) Debarment from Bidding**

- a) A bidder shall be debarred by the State Government if he has been convicted of an offence
  - a. under the Prevention of Corruption Act, 1988 (Central Act No. 49 of 1988); or
  - b. under the Indian Penal Code, 1860 (Central Act No. 45 of 1860) or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.
- b) A bidder debarred under (a) above shall not be eligible to participate in a procurement process of any procuring entity for a period not exceeding three years commencing from the date on which he was debarred.
- c) If a procuring entity finds that a bidder has breached the code of integrity prescribed in terms of “Code of Integrity for bidders” above, it may debar the bidder for a period not exceeding three years.
- d) Where the entire bid security or the entire performance security or any substitute thereof, as the case may be, of a bidder has been forfeited by a procuring entity in respect of any procurement process or procurement contract, the bidder may be debarred from participating in any procurement process undertaken by the procuring entity for a period not exceeding three years.
- e) The State Government or a procuring entity, as the case may be, shall not debar a bidder under this section unless such bidder has been given a reasonable opportunity of being heard.

### **38) Monitoring of Contract**

- a) An officer or a committee of officers named Contract Monitoring Committee (CMC) may be nominated by procuring entity to monitor the progress of the contract during its delivery period.
- b) During the delivery period the CMC shall keep a watch on the progress of the contract and shall ensure that quantity of goods and service delivery is in proportion to the total delivery period given, if it is a severable contract, in which the delivery of the goods and service is to be obtained continuously or is batched. If the entire quantity of goods and service is to be delivered in the form of completed work or entire contract like fabrication work, the process of completion of work may be watched and inspections of the selected bidder's premises where the work is being completed may be inspected.
- c) If delay in delivery of goods and service is observed a performance notice would be given to the selected bidder to speed up the delivery.
- d) Any change in the constitution of the firm, etc. shall be notified forth with by the contractor in writing to the procuring entity and such change shall not relieve any former member of the firm, etc., from any liability under the contract.
- e) No new partner/ partners shall be accepted in the firm by the selected bidder in respect of the contract unless he/ they agree to abide by all its terms, conditions and deposits with the procuring entity through a written agreement to this effect. The bidder's receipt for acknowledgement or that of any partners subsequently accepted as above shall bind all of them and will be sufficient discharge for any of the purpose of the contract.
- f) The selected bidder shall not assign or sub-let his contract or any substantial part thereof to any other agency without the permission of procuring entity.



## **6. GENERAL TERMS AND CONDITIONS OF TENDER & CONTRACT**

Bidders should read these conditions carefully and comply strictly while sending their bids.

### **Definitions**

For the purpose of clarity, the following words and expressions shall have the meanings hereby assigned to them: -

- a) "Contract" means the Agreement entered into between the Purchaser and the successful/ selected bidder, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
- b) "Contract Documents" means the documents listed in the Agreement, including any amendments thereto.
- c) "Contract Price" means the price payable to the successful/ selected bidder as specified in the Agreement, subject to such additions and adjustments thereto or deductions there from, as may be made pursuant to the Contract.
- d) "Day" means a calendar day.
- e) "Delivery" means the transfer of the Goods from the successful/ selected bidder to the Purchaser in accordance with the terms and conditions set forth in the Contract.
- f) "Completion" means the fulfilment of the related services by the successful/ selected bidder in accordance with the terms and conditions set forth in the Contract.
- g) "Goods" means all of the commodities, raw material, machinery and equipment, and/or other materials that the successful/ selected bidder is required to supply to the Purchaser under the Contract.
- h) "Purchaser" means the entity purchasing the Goods and related services, as specified in the bidding document.
- i) "Related Services" means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other similar obligations of the successful/ selected bidder under the Contract.
- j) "Subcontractor" means any natural person, private or government entity, or a combination of the above, including its legal successors or permitted assigns, to whom any part of the Goods to be supplied or execution of any part of the related services is subcontracted by the successful/ selected bidder.
- k) "Supplier/ Successful or Selected bidder" means the person, private or government entity, or a combination of the above, whose Bid to perform the Contract has been accepted by the Purchaser and is named as such in the Agreement, and includes the legal successors or permitted assigns of the successful/ selected bidder.
- l) "The Site," where applicable, means the designated project place(s) named in the bidding document.

**Note:** The bidder shall be deemed to have carefully examined the conditions, specifications, size, make and drawings, etc., of the goods to be supplied and related services to be rendered. If the bidder has any doubts as to the meaning of any portion of these conditions or of the specification, drawing, etc., he shall, before submitting the Bid and signing the contract refer the same to the procuring entity and get clarifications.

### **1) Contract Documents**

Subject to the order of precedence set forth in the Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory.

### **2) Interpretation**

- a) If the context so requires it, singular means plural and vice versa.
- b) Entire Agreement: The Contract constitutes the entire agreement between the Purchaser and the Supplier/ Selected bidder and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.

- c) Amendment: No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.
- d) Non-waiver: Subject to the condition (f) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- e) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.
- f) Severability: If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

### **3) Language**

- a) The Contract as well as all correspondence and documents relating to the Contract exchanged by the successful/ selected bidder and the Purchaser, shall be written in English language only. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified in the special conditions of the contract, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- b) The successful/ selected bidder shall bear all costs of translation to the governing language and all risks of the accuracy of such translation.

### **4) Joint Venture, Consortium or Association**

No Consortium/JV is allowed.

### **5) Eligible Goods and Related Services**

- a) For purposes of this Clause, the term "goods" includes commodities related to construction of civil and electrical works, raw material, machinery, equipment, and industrial plants; and "related services" includes services such as insurance, transportation, supply, installation, integration, testing, commissioning, training, and initial maintenance.
- b) All products executed by the successful/ selected bidder must be associated with specific make and specification as mentioned in the bid.
- c) Bidder must quote products in accordance with above clause "Eligible goods and related services".

### **6) Notices**

- a) Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the contract. The term "in writing" means communicated in written form with proof of dispatch and receipt.
- b) A Notice shall be effective when delivered or on the Notice's effective date, whichever is later.

### **7) Governing Law**

The Contract shall be governed by and interpreted in accordance with the laws of the Rajasthan State/ the Country (India), unless otherwise specified in the contract.

## **8) Scope of Supply**

- a) Subject to the provisions in the bidding document and contract, the goods and related services, works to be supplied shall be as specified in the bidding document.
- b) Unless otherwise stipulated in the Contract, the scope of supply works shall include all such items not specifically mentioned in the Contract but that can be reasonably inferred from the Contract as being required for attaining delivery and completion of the goods and related services as if such items were expressly mentioned in the Contract.
- c) The contractor shall make all arrangement of water, electricity, labour hutments, labour hutments, labour toilets, Crèche for labour children at site. No extra payment shall be made for these arrangements.

## **9) Delivery & Installation**

- a) Subject to the conditions of the contract, the delivery of the goods and completion of the related services shall be in accordance with the delivery and completion schedule specified in the bidding document. The details of supply/ shipping and other documents to be furnished by the successful/ selected bidder are specified in the bidding document and/ or contract.
- b) The contract for the supply can be repudiated at any time by the purchase officer, if the supplies are not made to his satisfaction after giving an opportunity to the bidder of being heard and recording the reasons for repudiation.
- c) The Supplier/ Selected Bidder shall arrange to supply, install and commission the ordered materials/ system as per specifications within the specified delivery/ completion period at various departments and/ or their offices/ locations mentioned in the PO/ WO.
- d) Shifting the place of execution of work: The user will be free to shift the place of execution within the same city /town/ district/ division. The successful/ selected bidder shall provide all assistance, except transportation, in shifting of the material. However, if the city/town is changed, additional charges of assistance in shifting and providing maintenance services for remaining period would be decided mutually.

## **10) Supplier's/ Selected Bidder's Responsibilities**

The Supplier/ Selected Bidder shall supply all the goods and related services included in the scope of supply in accordance with the provisions of bidding document and/ or contract.

## **11) Purchaser's Responsibilities**

- a) Whenever the supply of goods and related services requires that the Supplier/ Selected Bidder obtain permits, approvals, and import and other licenses from local public authorities, the Purchaser shall, if so required by the Supplier/ Selected Bidder, make its best effort to assist the Supplier/ Selected Bidder in complying with such requirements in a timely and expeditious manner.
- b) The Purchaser shall pay all costs involved in the performance of its responsibilities, in accordance with the general and special conditions of the contract.

## **12) Contract Price**

- a) The Contract Price shall be paid as specified in the contract subject to any additions and adjustments thereto, or deductions there from, as may be made pursuant to the Contract.
- b) Prices charged by the Supplier/ Selected Bidder for the Goods delivered and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier/ Selected Bidder in its bid, with the exception of any price adjustments authorized in the special conditions of the contract.

**13) Recoveries from Supplier/ Selected Bidder**

- a) Recovery of liquidated damages, short supply, breakage, rejected articles shall be made ordinarily from bills.
- b) The Purchase Officer shall withhold amount to the extent of short supply, broken/ damaged or for rejected articles unless these are replaced satisfactorily. In case of failure to withhold the amount, it shall be recovered from his dues and performance security deposit available with RISL.
- c) The balance, if any, shall be demanded from the Supplier/ Selected Bidder and when recovery is not possible, the Purchase Officer shall take recourse to law in force.

**14) Taxes & Duties**

- a) The TDS, Raj-VAT, Service Tax/ GST (Whichever is applicable) etc., if applicable, shall be deducted at source/ paid by tendering authority as per prevailing rates.
- b) For goods supplied from outside India, the successful/ selected bidder shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the country.
- c) For goods supplied from within India, the successful/ selected bidder shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Purchaser.
- d) If any tax exemptions, reductions, allowances or privileges may be available to the successful/ selected bidder in India, the Purchaser shall use its best efforts to enable the successful/ selected bidder to benefit from any such tax savings to the maximum allowable extent.

**15) Sub-contracting**

- a) The bidder shall not assign or sub-let his contract or any substantial part thereof to any other agency without the permission of Purchaser/ Tendering Authority.
- b) If permitted, the selected bidder shall notify the Purchaser, in writing, of all subcontracts awarded under the Contract, if not already specified in the Bid. Subcontracting shall in no event relieve the Supplier/ Selected Bidder from any of its obligations, duties, responsibilities, or liability under the Contract.
- c) Subcontractors, if permitted, shall comply with the provisions of bidding document and/ or contract.

**16) Specifications and Standards**

- a) All articles supplied shall strictly conform to the specifications, trademark laid down in the bidding document and wherever articles have been required according to ISI/ ISO/ other applicable specifications/ certifications/ standards, those articles should conform strictly to those specifications/ certifications/ standards. The supply shall be of best quality and description. The decision of the competent authority/ purchase committee whether the articles supplied conforms to the specifications shall be final and binding on the selected bidder.
- b) Technical Specifications and Drawings
  - i. The Supplier/ Selected Bidder shall ensure that the goods and related services comply with the technical specifications enclosed other provisions of the Contract.
  - ii. The Supplier/ Selected Bidder shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Purchaser, by giving a notice of such disclaimer to the Purchaser.
  - iii. The goods and related services supplied under this Contract shall conform to the standards mentioned in bidding document and, when no applicable standard is mentioned, the standard shall be equivalent

or superior to the official standards whose application is appropriate to the country of origin of the Goods.

- c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the bidding document. During Contract execution, any changes in any such codes and standards shall be applied only after approval by the Purchaser and shall be treated in accordance with the general conditions of the contract.
- d) The supplier/ selected bidder must certify that all the goods are new, unused, and of the agreed make and models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- e) The supplier/ selected bidder should further warrant that the Goods shall be free from defects arising from any act or omission of the supplier/ selected bidder or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the place of final destination.

#### **17) Packing and Documents**

- a) The Supplier/ Selected Bidder shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the final destination of the Goods and the absence of heavy handling facilities at all points in transit.
- b) The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the contract, and in any other instructions ordered by the Purchaser.

#### **18) Insurance**

- a) The Goods supplied under the Contract shall be fully insured against loss by theft, destruction or damage incidental to manufacture or acquisition, transportation, storage, fire, flood, under exposure to weather and delivery at the designated project locations, in accordance with the applicable terms. The insurance charges will be borne by the supplier and Purchaser will not be required to pay such charges if incurred.
- b) The goods will be delivered at the FOR destination in perfect condition.

#### **19) Transportation**

- a) The supplier/ selected bidder shall be responsible for transport by sea, rail and road or air and delivery of the material in the good condition to the consignee at destination. In the event of any loss, damage, breakage or leakage or any shortage the bidder shall be liable to make good such loss and shortage found at the checking/ inspection of the material by the consignee. No extra cost on such account shall be admissible.
- b) All goods must be sent freight paid through Railways or goods transport. If goods are sent freight to pay, the freight together with departmental charge @5% of the freight will be recovered from the supplier's/ selected bidder's bill.

#### **20) Inspection**

- a) The Purchase Officer or his duly authorized representative shall at all reasonable time have access to the supplier's/ selected bidder's premises and shall have the power at all reasonable time to inspect and

examine the materials and workmanship of the goods/ equipment/ machineries during manufacturing process or afterwards as may be decided.

- b) The supplier/ selected bidder shall furnish complete address of the premises of his factory, office, go-down and workshop where inspection can be made together with name and address of the person who is to be contacted for the purpose.
- c) After successful inspection, it will be supplier's/ selected bidder's responsibility to dispatch and install the equipment at respective locations without any financial liability to the Purchaser. However, supplies when received at respective locations shall be subject to inspection to ensure whether they conform to the specification.

## **21) Samples**

- a) When notified by the Purchaser to the supplier/ bidder/ selected bidder, Bids for articles/ goods marked in the BoM shall be accompanied by four sets of samples of the articles quoted properly packed. Such samples if submitted personally will be received in the office. A receipt will be given for each sample by the officer receiving the samples. Samples if sent by train, etc., should be despatched freight paid and the R/R or G.R. should be sent under a separate registered cover. Samples for catering/ food items should be given in a plastic box or in polythene bags at the cost of the bidder.
- b) Each sample shall be marked suitably either by written on the sample or on a slip of durable paper securely fastened to the sample, the name of the bidder and serial number of the item, of which it is a sample in the schedule.
- c) Approved samples would be retained free of cost upto the period of six months after the expiry of the contract. RISL shall not be responsible for any damage, wear and tear or loss during testing, examination, etc., during the period these samples are retained.

The Samples shall be collected by the supplier/ bidder/ selected bidder on the expiry of stipulated period. RISL shall in no way make arrangements to return the samples. The samples uncollected within 9 months after expiry of contract shall be forfeited by RISL and no claim for their cost, etc., shall be entertained.

- d) Samples not approved shall be collected by the unsuccessful bidder. RISL will not be responsible for any damage, wear and tear, or loss during testing, examination, etc., during the period these samples are retained. The uncollected samples shall be forfeited and no claim for their cost, etc., shall be entertained.
- e) Supplies when received may be subject to inspection to ensure whether they conform to the specifications or with the approved samples. Where necessary or prescribed or practical, tests shall be carried out in Government laboratories, reputed testing house like STQC (ETDC) and the like and the supplies will be accepted only when the articles conform to the standard of prescribed specifications as a result of such tests.
- f) The supplier/ selected bidder shall at its own expense and at no cost to the Purchaser carry out all such tests and/ or inspections of the Goods and Related Services as are specified in the bidding document.

## **22) Drawl of Samples**

In case of tests, wherever feasible, samples shall be drawn in four sets in the presence of supplier/ bidder/ selected bidder or his authorised representative and properly sealed in their presence. Once such set shall be given to them, one or two will be sent to the laboratories and/ or testing house and the third or fourth will be retained in the office for reference and record.



### **23) Testing charges**

Testing charges shall be borne by the Government. In case, test results showing that supplies are not upto the prescribed standards or specifications, the testing charges shall be payable by the selected bidder.

### **24) Rejection**

- a) Articles not approved during inspection or testing shall be rejected and will have to be replaced by the selected bidder at his own cost within the time fixed by the Purchase Officer.
- b) If, however, due to exigencies of RISL/DoIT&C work, such replacement either in whole or in part, is not considered feasible, the Purchase Officer after giving an opportunity to the selected bidder of being heard shall for reasons to be recorded, deduct a suitable amount from the approved rates. The deduction so made shall be final.
- c) The rejected articles shall be removed by the supplier/ bidder/ selected bidder within 15 days of intimation of rejection, after which Purchase Officer shall not be responsible for any loss, shortage or damage and shall have the right to dispose of such articles as he thinks fit, at the selected bidder's risk and on his account.

### **25) Extension in execution of work and Liquidated Damages (LD)**

- a) Except as provided under clause "Force Majeure", if the supplier/ selected bidder fails to deliver any or all of the Goods or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in (d) below for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in the bidding document and/ or contract. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to clause "Termination".
- b) The time specified for delivery in the bidding document shall be deemed to be the essence of the contract and the supplier/ selected bidder shall arrange goods supply and related services within the specified period.
- c) Delivery and installation/ completion period may be extended with or without liquidated damages, if the delay in the supply of goods or service is on account of hindrances beyond the control of the supplier/ selected bidder.
  - i. The supplier/ selected bidder shall request in writing to the Purchaser giving reasons for extending the delivery period of service, if he finds himself unable to complete the supply of goods or service within the stipulated delivery period or is unable to maintain prorated progress in the supply of goods or service delivery. This request shall be submitted as soon as a hindrance in delivery of goods and service occurs or within 15 days from such occurrence but before expiry of stipulated period of completion of delivery of goods and service after which such request shall not be entertained.
  - ii. The Purchaser shall examine the justification of causes of hindrance in the execution of work/ delivery of goods and service and the period of delay occurred due to that and recommend the competent authority on the period of extension which should be granted with or without liquidated damages.
  - iii. Normally, extension in delivery/ execution period of goods and service in following circumstances may be considered without liquidated damages:
    - a. When delay has occurred due to delay in supply of drawings, designs, plans etc. if the RISL was required to supply them to the supplier of goods or service provider as per terms of the contract.
    - b. When delay has occurred in supply of materials etc. if these were required to be supplied to the supplier or service provider by the RISL as per terms of the contract.

- iv. If the competent authority agrees to extend the delivery/execution period/ schedule, an amendment to the contract with suitable denial clauses and with or without liquidated damages, as the case may be, shall be issued. The amendment letter shall mention that no extra price or additional cost for any reason, what so ever beyond the contracted cost shall be paid for the delayed supply of goods and service.
  - v. It shall be at the discretion of the concerned authority to accept or not to accept the supply of goods and/ or services rendered by the contractor after the expiry of the stipulated delivery/ execution period, if no formal extension in delivery period has been applied and granted. The competent authority shall have right to cancel the contract with respect to undelivered goods and/ or service.
  - vi. If RISL is in need of the good and/ or service rendered after expiry of the stipulated delivery/ execution period, it may accept the services and issue a letter of extension in delivery period with usual liquidated damages and denial clauses to regularize the transaction.
- d) In case of extension in the delivery and/ or installation/ completion/ commissioning period is granted with full liquidated damages, the recovery shall be made on the basis of following percentages of value of goods and/ or service which the supplier/ selected bidder has failed to supply/ install/ complete: -

S. No.	Condition	LD %*
a.	Delay up to one fourth period of the prescribed period of delivery, successful installation and completion of work	2.5 %
b.	Delay exceeding one fourth but not exceeding half of the prescribed period of delivery, successful installation and completion of work	5.0 %
c.	Delay exceeding half but not exceeding three fourth of the prescribed period of delivery, successful installation and completion of work	7.5 %
d.	Delay exceeding three fourth of the prescribed period of delivery, successful installation and completion of work	10.0 %

- i. Fraction of a day in reckoning period of delay in supplies, successful installation and completion of work shall be eliminated, if it is less than half a day.
- ii. The maximum amount of liquidated damages shall be 10% of the contract value.
- iii. \*The percentage refers to the payment due for the associated works/ goods/ service.

## 26) Limitation of Liability

Except in cases of gross negligence or wilful misconduct: -

- a) neither party shall be liable to the other party for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier/ selected bidder to pay liquidated damages to the Purchaser; and
- b) the aggregate liability of the supplier/ selected bidder to the Purchaser, whether under the Contract, in tort, or otherwise, shall not exceed the amount specified in the Contract, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier/ selected bidder to indemnify the Purchaser with respect to patent infringement.

## 27) Force Majeure

- a) The supplier/ selected bidder shall not be liable for forfeiture of its PSD, LD, or termination for default if and to the extent that it's delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- b) For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the supplier/ selected bidder that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the supplier/ selected bidder. Such events may include, but not be limited to, acts of the Purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- c) If a Force Majeure situation arises, the supplier/ selected bidder shall promptly notify the RISL in writing of such conditions and cause thereof within 15 days of occurrence of such event. Unless otherwise directed by RISL, the supplier/ selected bidder shall continue to perform its obligations under the contract as far as reasonably practical.
- d) If the performance in whole or part or any obligation under the contract is prevented or delayed by any reason of Force Majeure for a period exceeding 60 days, either party at its option may terminate the contract without any financial repercussion on either side.
- e) In case a Force Majeure situation occurs with the RISL, the RISL may take the case with the supplier/ selected bidder on similar lines.

## **28) Change Orders and Contract Amendments**

- a) The Purchaser may at any time order the supplier/ selected bidder through Notice in accordance with clause “Notices” above, to make changes within the general scope of the Contract in any one or more of the following: -
  - i. drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;
  - ii. the method of shipment or packing;
  - iii. the place of delivery; and
  - iv. the related services to be provided by the supplier/ selected bidder.
- b) If any such change causes an increase or decrease in the cost of, or the time required for, the supplier’s/ selected bidder’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery and Completion Schedule, or both, and the Contract shall accordingly should be amended. Any claims by the supplier/ selected bidder for adjustment under this clause must be asserted within thirty (30) days from the date of the supplier’s/ selected bidder’s receipt of the Purchaser’s change order.
- c) Prices to be charged by the supplier/ selected bidder for any related services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier/ selected bidder for similar services.

## **29) Termination**

### **a) Termination for Default**

- i. The tender sanctioning authority of RISL may, without prejudice to any other remedy for breach of contract, by a written notice of default of at least 30 days sent to the supplier/ selected bidder, terminate the contract in whole or in part: -
  - a. If the supplier/ selected bidder fails to deliver any or all quantities of the service within the time period specified in the contract, or any extension thereof granted by RISL; or
  - b. If the supplier/ selected bidder fails to perform any other obligation under the contract within the specified period of delivery of service or any extension granted thereof; or
  - c. If the supplier/ selected bidder, in the judgement of the Purchaser, is found to be engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the contract.

- d. If the supplier/ selected bidder commits breach of any condition of the contract.
- ii. If RISL terminates the contract in whole or in part, amount of PSD may be forfeited.
- iii. Before cancelling a contract and taking further action, advice of senior most finance person available in the office and of legal adviser or legal assistant posted in the office, if there is one, may be obtained.

**b) Termination for Insolvency**

RISL may at any time terminate the Contract by giving a written notice of at least 30 days to the supplier/ selected bidder, if the supplier/ selected bidder becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the supplier/ selected bidder, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to RISL.

**c) Termination for Convenience**

- i. RISL, by a written notice of at least 30 days sent to the supplier/ selected bidder, may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the supplier/ selected bidder under the Contract is terminated, and the date upon which such termination becomes effective.
- ii. Depending on merits of the case the supplier/ selected bidder may be appropriately compensated on mutually agreed terms for the loss incurred by the contract if any due to such termination.
- iii. The Goods that are complete and ready for shipment within twenty-eight (28) days after the supplier's/ selected bidder's receipt of the Notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may elect:
  - a. To have any portion completed and delivered at the Contract terms and prices; and/or
  - b. To cancel the remainder and pay to the supplier/ selected bidder an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the supplier/ selected bidder.

**30) Settlement of Disputes**

Any dispute existing out of contract shall be settled according to the provision of arbitration and conciliation act 1996

## **7. SPECIAL TERMS AND CONDITIONS OF TENDER & CONTRACT**

### **1) Payment Terms and Schedule as per Site Progress**

- a) Payment schedule - Payments to the bidder, after successful completion of the target milestones (including specified project deliverables), would be made as under: -

<b>S. No.</b>	<b>Phase</b>	<b>Deliverable</b>	<b>Timelines</b>	<b>Payment</b>
1.	First Running Bill	Measurement of the work done duly sealed and signed by Engineer Incharge	Within 30 Days	Payment will be released on the basis of actual work done with statutory deductions*
2.	Second Running Bill	Measurement of the work done duly sealed and signed by Engineer Incharge	Within 75 Days	Payment will be released on the basis of actual work done with statutory deductions*
3.	Final Bill	Measurement of the work done duly sealed and signed by Engineer Incharge	Within 120 Days	Payment will be released on the basis of actual work done with statutory deductions*

\* Statutory deduction means IT, Works Contract tax, service tax, mining tax, 10% security deposit as applicable for works.

- b) The supplier's/ selected bidder's request for payment shall be made to the purchaser in writing, accompanied by invoices describing, as appropriate, the goods delivered and related services performed, and by the required documents submitted pursuant to general conditions of the contract and upon fulfilment of all the obligations stipulated in the Contract.
- c) Due payments shall be made promptly by the purchaser, generally within sixty (60) days after submission of an invoice or request for payment by the supplier/ selected bidder, and the purchaser has accepted it.
- d) The currency or currencies in which payments shall be made to the supplier/ selected bidder under this Contract shall be Indian Rupees (INR) only.
- e) All remittance charges will be borne by the supplier/ selected bidder.
- f) In case of disputed items, the disputed amount shall be withheld and will be paid only after settlement of the dispute.
- g) Payment in case of those goods which need testing shall be made only when such tests have been carried out, test results received conforming to the prescribed specification.
- h) Any penalties/ liquidated damages, as applicable, for delay and non-performance, as mentioned in this bidding document, will be deducted from the payments for the respective milestones.
- i) Taxes and other statutory deductions related to works, as applicable, will be deducted/ paid as per the prevalent rules and regulations.

### **2) Change Requests/ Management**

- a) An institutional mechanism will be set up for taking decisions regarding requests for changes. The Purchase Committee will set up a Change Control Committee with members from the procurement agency and the selected bidder. If it is unable to reach an agreement, the decision of the Purchase Committee will be final.
- b) RISL may at any time, by a written order given to the bidder, make changes within the general scope of the Agreement in any one or more of the following: -
- ✓ Designs, specifications, requirements which software or service to be provided under the Agreement are to be specifically developed and rendered for RISL.

- ✓ The method of deployment, shipping or packing.
  - ✓ Schedule for Installation Acceptance.
  - ✓ The place of delivery and/or the services to be provided by the bidder.
- c) The change request/ management procedure will follow the following steps: -
- ✓ Identification and documentation of the need for the change - The information related to initiator, initiation date and details of change required and priority of the change will be documented by RISL.
  - ✓ Analysis and evaluation of the Change Request - Impact of the change in terms of the estimated effort, changed schedule, cost and the items impacted will be analysed and documented by the bidder.
  - ✓ Approval or disapproval of the change request – RISL will approve or disapprove the change requested including the additional payments for software development, quoted man-month rate shall be used for cost estimation, efforts of all technical resources- project manager, analyst, software developer, testing engineer, database architecture etc shall be taken into account for total man-month estimation to carry out the s/w development resulting from the change request. For all technical resources irrespective of their experience and specialisation, the quoted man-month rate shall be used. Efforts of support staff shall not be taken into consideration for this purpose.
  - ✓ Implementation of the change – The change will be implemented in accordance to the agreed cost, effort, and schedule by the selected bidder.
  - ✓ Verification of the change - The change will be verified by RISL on implementation of the change request.
- d) All changes outside the scope of supplies agreed to herein which may have likely financial implications in terms of the overall cost/ time of the project shall be undertaken by SI only after securing the express consent of RISL. In the event that the consent of RISL is not received then the change will not be carried out.
- e) While approving any change request, if required, RISL may ask the bidder to deploy the required resources on-site.
- f) If any such change outside the scope of supplies agreed to herein causes an increase or decrease in cost of, or the time required for, firm's performance of any provisions under the Agreement, equitable adjustments shall be made in the Agreement Price or Delivery Schedule, or both, and the Agreement shall accordingly be amended. Any claims by firm for adjustment under this must be asserted within 30 (thirty) days from the date of SI receiving the RISL change order which shall not be unreasonably withheld or delayed.



## **ANNEXURE-1: TECHNICAL SPECIFICATIONS**

### **INTERIOR SCHEDULE**

#### **1. Manufacturing Details & Material Specification of Panelling & Partition**

- A. Manufacturing & Material Specification for Panelling & Partition
- Factory made removable type self inter lockable metal panels of Preformed textured Hot dip galvanized strips and sheets of low carbon steel coated on one side with rigid polyvinylchloride (PVC) film and on the other side a coating based on cross linkable polyester resins (sheet thickness 0.6 mm & PVC Coating 0.15 mm). Make shall comprise of combination of perforated and non-perforated panels through CNC laser Cutting, bending & punching. Panel shall be of 0.75 mm thick galvanized metal of approved colour. Panels must be manufactured and achieve shapes as per the approval of Engineer – in charge. Panels shall be fixed using hook fitting on structure. Overall system thickness for straight panelling shall be minimum 80 mm and for partition shall be minimum 110 mm.
  - As per drawing panel shall comprise of hexagonal perforation for making panelling and partitions
  - Acoustically sound. Acoustic grade fire retardant fabric (min 1.5 mm thick) will be fixed at some parts of the control room.
  - Panel shall take care of undulation of civil walls and gives perfect flat surface finish and compile easy service & maintenance procedure.
- B. Manufacturing Details:
- The cladding panels shall be made up of combination of two sheets locked and riveted together and polystyrene shall be used as infill to achieve strength and acoustics. The front tile (PVC pre-coated metal sheet) shall be perforated / non-perforated as per the requirement and the back tile (Powder coated 0.6 mm GI sheet) shall be manufactured in such a manner that it fits on the back portion of the front tile. Once the tiles are fitted together then these will be manually riveted. These tiles shall be bent through CNC, machine punched & laser Cut to achieve perfect accuracy.
  - Structure shall be made from heavy duty powder coated (minimum 60 micron) modular steel frame (minimum sheet thickness minimum 1.2 mm) and shall allow uninterrupted flow of wires / cable / tubes of max. dia. 25mm.
  - Structure shall be securely grouted from wall, roof and floor. It shall be made up of minimum 1.2 mm thick vertical Slotted rolled C sections (Upright) and horizontal rolled 'C' connectors. Grid of desired dimension shall be formed by Vertical and horizontal sections having 50mm pitch.
- C. Surface Finish:
- For Panels:
    - Front Panel : PVC pre-coated GI sheet (sheet thickness : 0.6 mm and PVC coating : 0.15 mm)
    - Back Cover: Powder coated GI sheet. (sheet thickness : 0.6 mm with powder coating (minimum 60 micron)
- D. For Structure:
- Powder coated sheet. (Sheet thickness: minimum 1.2 mm with powder coating (minimum 60

micron). The metal sheet shall have possibility of being formed mechanically per the specific needs of the project. Panel shall provide better thermal, electrical insulation as compared to normal GI panels. It shall be non-reflective/glare free and be eligible for food contact.

**E. Material Selection :**

- i. Available Width -300 mm to 1200 mm (in multiples of 150 mm).
- ii. Available Height - 150 mm to 750 mm (in multiples of 150 mm).
- iii. Thickness –10 mm to 15 mm for perforated tiles with acoustic fleece without back cover
- iv. Minimum 25 mm for non-perforated tiles with back covers.

**F. Material Testing / Certification to be submitted before commencement of job during drawing approval stage:**

- i. PVC Pre-coated sheet :
  - 1) Fire rating and Low flame spread: EN ISO 11925-2, EN 13823 and ASTM E-84.
  - 2) Food grade: EU10/2011.

**G. Component Specification:**

- i. Floor Mounting
  - 1) 3 mm thick C channels shall be welded together to form a 'I' section having minimum height of 150 mm. This I section shall be welded on 3 mm thick MS grouting plate.
  - 2) This assembly shall be grouted on the floor with the help of M10 Anchor Fasteners.
  - 3) These Floor Mountings shall become the base support to vertical uprights spaced at a centre to centre distance of 1200 mm maximum.
  - 4) Contractor must ensure proper marking and levelling before proceeding with any floor grouting.

**H. C Section (Upright) fixing : -**

- i. 56 mm wide Slotted rolled C section (UPRIGHT) (minimum 1.2 mm thick CRCA). Maximum single piece Length shall not exceed 2700 mm.
- ii. All sections will be dual slotted with 50 mm pitch.
- iii. These Uprights shall be mounted over the floor mountings and shall be connected by C connectors made up of minimum 1mm thick 'C' sections.
- iv. The installation to be carried out with Uprights spaced at 1200 mm (centre to centre) securely fixed to the floor slab by means floor mountings.
- v. The uprights shall be firmly held with L shaped wall mounts made up of minimum 1.2 mm thick MS sheet duly powder coated (minimum 60 micron). One portion of L mount shall be grouted with wall and other will be having a minimum slot length of 75 mm.
- vi. The L clamp and the upright will be bolted together with M6 bolts.

**I. End Cap:**

- i. Minimum 0.6 mm thick C shaped tile similar to panel tile, shall be bolted on the extreme end Uprights to hide the grid structure.

**J. Panel:**

- i. The panels shall be hooked on the uprights.

- ii. Panels shall have integrated hooks (which shall cut and bend on high precision laser machines).
- iii. The panels shall have minimum gap of 5mm between two tiles (on vertical and horizontal edges) so that the tiles can be replaced and installed easily.
- iv. The hooks of the Panels shall have a length of 20mm (for the upper hook) and 10mm (for the bottom hook). So that these panels are firmly held on the uprights.
- v. The panel shall have HOOK in arrangement (With gravity lock).

**K. Corner Cap :**

- i. On extremes ends of control room the wall connector (L- profile) shall be fixed on the perimeter walls. This L-section shall be snap fitted and then bolted to the walls.

**L. Door Profile:**

- i. Door frame shall be fixed with these profiles only to have proper integration of doors with the overall system.

**M. Feature :**

- i. Colour should not fade.
- ii. No sagging
- iii. Agency to prepare sample one portion at wall panelling & ceiling before taking up the work at site. Alternatively, a FAT (Factory acceptance test) to be carried out.
- iv. 100 % modular Solutions. At site, no cutting, chipping work is allowed.
- v. The tile shall be bend resistant

**1.1 LATTICE PANELING :-**

- 1.1.1 All the properties shall remain like Metal paneling. The tile size shall be as per approved drawing. The front tile shall be manufactured in 3 dimensional curves (as per approval) to have Highlighter view.
- 1.1.1.1 The tiles will be having cut-outs in such a way that when the tiles are rotated by 90 degrees the pattern of the entire wall shall be changed. Using the same tiles and different orientations we will have multiple possibilities.
- 1.1.1.2 The aim is to provide a contemporary look to the CCR. It shall be a tool less & screw less fixing. For Manufacturing Details & Material Specification please refer the detail specification. (S.No.2)

**1.2 ACOUSTIC METAL PARTITION:-**

All the properties and material of construction shall be like Acoustic Metal paneling but the partition shall have metal tiles on either side of the frame.

**1.3 ACOUSTIC METAL PANELING**

- 1.3.1 Panel should comprise of perforation for making the cladding and partitions acoustically sound. Min 20% panels shall be perforated or as specified by the consultant.
- 1.3.2 There should be possibility of wide variety of colours and images to be used on the wall elements to give the aesthetic and state of the art look to the control room.
- 1.3.3 Panel design to support proper LVS integration.
- 1.3.4 Gluing, screwing, ACP, Laminates are not allowed.
- 1.3.5 Panel design should ensure that when the tiles need to be removed for service maintenance of Lighting & AC ducts & itself cleaning, the risk of tile damage is minimized.

- 1.3.6 Structure should allow uninterrupted flow of wires/cable/tubes of max. dia 25mm.
  - 1.3.7 Special connection joineries to take care of seismic vibration.
  - 1.3.8 Design & Material Specification for Paneling
    - 1.3.8.1 Factory made removable type self inter lockable metal panels of Preformed textured Hot dip galvanized strips and sheets of low carbon steel coated on one side with rigid polyvinylchloride (PVC) film and on the other side a coating based on cross linkable polyester resins (sheet thickness 0.6mm & PVC Coating 0.15mm). Make shall comprise of specially designed combination of perforated and non-perforated panels through CNC laser Cutting, bending & punching. Panel shall be of 0.75mm thick galvanized metal of approved color. Panels shall be designed to achieve shape and design as per the design consultant. Panels shall be fixed using hook fitting on structure. Overall system thickness for paneling shall be 70mm to 85mm and for partition shall be 85mm to 110mm.
    - 1.3.8.2 As per design panel shall comprise of hexagonal perforation for making paneling and partitions acoustically sound. Acoustic grade fire retardant fabric (min 1.5mm thick) will be fixed at some parts of the control room. Wall paneling system must be RoHS certified from UL/Intertek. Valid certificate to be submitted before commencement of job during drawing approval stage.
    - 1.3.8.3 Panel shall be design in such a manner that it takes care of undulation of civil walls and gives perfect flat surface finish and compile easy service & maintenance procedure.
    - 1.3.8.4 Sound transmission class (STC) value of 35 for Wall Paneling & Partition. (According to IS: 9901 (Part III) – 1981, DIN 52210 Part IV- 1984, ISO: 140(Part III) -1995, test report from reputed agency to be submitted before commencement of job during drawing approval stage.
    - 1.3.8.5 Wall Paneling & partition should be tested and qualified for Seismic Zone 4 or better. Valid test report from govt. agency to be submitted before commencement of job during drawing approval stage.
  - 1.3.9 Design:
    - 1.3.9.1 The cladding panels shall be made up of combination of two sheets locked and riveted together and polystyrene shall be used as infill to achieve strength and acoustics. The front tile (PVC pre-coated metal sheet) shall be perorated/ non-perforated as per the design requirement and the back tile (Powder coated 0.6mm GI sheet) shall be designed in such a manner that it fits on the back portion of the front tile. Once the tiles are fitted together then these will be manually riveted. These tiles shall be bend through CNC, machine punched & laser Cut to achieve perfect accuracy.
    - 1.3.9.2 Structure Shall be made from heavy duty powder coated modular steel frame (minimum sheet thickness 1 to 1.6mm) and shall allow uninterrupted flow of wires/cable/tubes of max. dia. 25mm.
    - 1.3.9.3 Structure Shall be securely grouted from wall, roof and floor. It shall be made up of 1-1.6mm thick vertical Slotted rolled C sections (Upright) and horizontal rolled 'C' connectors. Grid of desired dimension shall be formed by Vertical and horizontal sections having 50mm pitch.
    - 1.3.9.4 The frame should be securely grouted from roof and floor with flexible joints to absorb seismic vibration.
    - 1.3.9.5 All the paneling structures shall be seismically qualified and the test certificates to be submitted before commencement of job during drawing approval stage.
- Panel shall provide better thermal, electrical insulation as compared to normal GI panels. It shall be non-reflective/glare free and be eligible for food contact.
- 1.3.10 Material Selection:
    - 1.3.10.1 Available Width- 300mm to 1200mm (in multiples of 150mm).
    - 1.3.10.2 Available Height- 150mm to 750mm (in multiples of 150mm).
    - 1.3.10.3 Thickness- 10mm to 15mm for perforated tiles with acoustic fleece without back cover

1.3.10.4 25mm to 30mm for non-perforated tiles with back covers

**1.3.11 Material Testing/Certification:**

1.3.11.1 PVC pre-coated sheet: The front PVC sheet must qualify reaction to fire tests for building products; Ignitability when subjected to direct impingement of flame. The top finish sheet must be Food Grade. Front sheet must have these certifications and the same must be submitted before commencement of job during drawing approval stage:-

1.3.11.1.1 Fire rating and Low flame spread: EN ISO 11925-2, EN 13823 and ASTM E-84.

1.3.11.1.2 Food grade: EU10/2011

1.3.11.2 Core material (compressed polystyrene): Must comply to meet or exceed the requirements of Specification for Rigid, Cellular Polystyrene Thermal Insulation and applicable building codes and following tests. The reports to be submitted before commencement of job during drawing approval stage.

1.3.11.2.1 Acoustic test: 9301/ ISO: 140/ASTM 413, ASTM C 578.

1.3.11.2.2 Powder coating: Must qualify 600 hours' salt spray test.

1.3.11.2.3 Wall Paneling tile must be ASTM E-84 certified from UL for surface burning characteristics. Valid report to be submitted before commencement of job during drawing approval stage.

**1.3.12 Component Specification:**

1.3.12.1 Floor Mounting: -

1.3.12.1.1 3mm thick C channels welded together to form 'I' section having minimum height of 150mm. This I section shall be welded on 3mm thick MS grouting plate.

1.3.12.1.2 This assembly shall be grouted on the floor with the help of M10 Anchor Fasteners.

1.3.12.1.3 These Floor Mountings shall be the base support for the vertical uprights spaced at a center to center distance of 1200mm maximum.

1.3.12.1.4 Contractor must ensure proper marking and leveling before proceeding with any floor grouting.

1.3.12.2 C Section (Upright) fixing: -

1.3.12.2.1 56 mm wide Slotted rolled C section (UPRIGHT) (1 to 1.6 mm thick CRCA). Maximum single piece Length shall not exceed 2700mm.

1.3.12.2.2 All sections will be dual slotted with 50 mm pitch.

1.3.12.2.3 These Uprights shall be mounted over the floor mountings and shall be connected by C connectors made up of 1.0mm to 1.6mm thick cold rolled 'C' sections.

1.3.12.2.4 The installation to be carried out with Uprights spaced at 1200 mm (center to center) securely fixed to the floor slab by means floor mountings.

1.3.12.2.5 The uprights shall be firmly held with L shaped wall mounts made up of 2 mm thick MS sheet duly powder coated. One portion of L mount shall be grouted with wall and other will be having a minimum slot length of 75mm.

1.3.12.2.6 The L clamp and the upright will be bolted together with M6 bolts.

1.3.12.3 End Cap

1.3.12.3.1 0.6mm to 0.75mm thick C shaped tile; like the panel tile will be bolted on the extreme end Uprights to hide the grid structure.

**1.3.13 Panel:**

- 1.3.13.1 The panels shall be hooked on the uprights.
- 1.3.13.2 Panels shall have integrated hooks (which shall cut and bend on high precision laser machines).
- 1.3.13.3 The panels shall have minimum gap of 5mm between two tiles (on vertical and horizontal edges) so that the tiles can be replaced and installed easily.
- 1.3.13.4 The hooks of the Panels shall have a length of 20mm (for the upper hook) and 10 mm (for the bottom hook). So that these panels are firmly held on the uprights.
- 1.3.13.5 The panel shall have HOOK in arrangement (With gravity lock).
- 1.3.13.6 The hooks of the Panels should have a length of 20mm (for the upper hook) and 10 mm for the bottom hook. So that these panels are firmly held on the uprights during seismic vibrations

**1.3.14 Corner Cap:**

- 1.3.14.1 On extremes ends of control room the wall connector (L- profile) shall be fixed on the perimeter walls. This L-section shall be snap fitted and then bolted to the walls.

**1.3.15 Door Profile:**

- 1.3.15.1 Door frame shall be fixed with these profiles only to have proper integration of doors with the overall system.

**1.3.16 Feature:**

- 1.3.16.1 Raw material for tile & powder coating should not affect environment, vendor to provide necessary test certificate.
- 1.3.16.2 Colour should not fade over 10 years.
- 1.3.16.3 No sagging
- 1.3.16.4 Easy and quick installation
- 1.3.16.5 Low cleaning effort
- 1.3.16.6 Vendor to demonstrate one portion at wall paneling & ceiling at their premises before dismantling & shipping to site. In short, a FAT (Factory acceptance test) to be carried out at vendors works for ceiling & panelling. Bidder to submit an undertaking for the same.
- 1.3.16.7 100 % modular design. At site, no cutting, chipping work is allowed.
- 1.3.16.8 The tile shall be bend resistant.
- 1.3.16.9 Copy of Test certification for ASTM E84 (from UL) for the surface burning characteristics of wall panelling tiles and ceiling tiles to be submitted before commencement of job during drawing approval stage. This is mandatory requirement from Fire safety point of view. Raw-material supplier data alone is not acceptable
- 1.3.16.10 User's Health: Agency to submit GREENGUARD Certification for compliance with minimum indoor air quality standards per ANSI/BIFMA M7.1-2007 for Control room interiors. This is mandatory requirement from operator's health safety point of view and certificate must be submitted before commencement of job during drawing approval stage. Raw-material supplier data alone is not acceptable.

**1.4 GLASS HEIGHT PARTITION:-**

Full height glass wall partitions made up of 12mm Toughened glass with frame-less structure. The glass partition shall be supported by 600mm high Modular metal partition (having the same finish as that of wall panelling) from the floor. Proper structure shall be made to ensure the fixing of glass from RCC slab above false ceiling and flooring. Straight and vertical structural members shall not be visible. Safety film shall be



applied on the glass to avoid shattering. Glass shall be fitted on anodized extrusion with tool less technology and having a provision for replacing glass with perforated sheet/acoustic tile by removing the glass. NOTE: - The nature of installation should be replaceable, expandable and flexible to cater the future expansion/technical up-gradation.

## **1.5 DOORS**

### **1.5.1 Glass Door: -**

1.5.1.1 12mm thick tempered clear glass door with door spring and locking arrangements and both way handle with patch fittings.

### **1.5.1.2 Glass Properties:**

1.5.1.2.1 Safety (tempered): when broken, must split into tiny harmless pieces.

1.5.1.2.2 Dimensions as per the BOQ.

### **1.5.2 Metallic Door**

1.5.2.1 Door with spring and locking arrangements and both way handle made with rigid Thermo fused film metal panels. Specification: 0.6mm thick Metal panel sheets, cavity filled with honeycomb in roll form of make inside adequate quantity. Material of the paneling and that of metal door will remain the same.

## **1.6 CEILING**

### **1.6.1 Designer Acoustic Metal False ceiling with Straight/Curvilinear linear Plank Ceiling (Main Control Room)**

1.6.1.1 Factory made acoustic modular metal false ceiling of powder coated panels. Make shall comprising of perforated and non-perforated metal panels made through CNC laser Cutting, bending & punching. Panel shall be of 0.6mm galvanized metal of approved powder coating finish. Panels shall be designed to achieve shape and design as per the design consultant with the combination of acrylic panels with lights, designed to enhance visual feel, with provision for easy installation and maintenance, integrated lighting and scope for integration of building services like HVAC and fire detection/ fighting system. Metal modular false ceiling must have Sound absorption coefficient (NRC) value 0.60 according to IS:8225-1987, ISO: 354-1985 and ASTM 423-90. These certificates must be submitted before commencement of job during drawing approval stage.

1.6.1.2 As per design panel shall comprise of micro perforation for making false ceiling acoustically sound. The non-perforated ceiling tile shall be Class A fire rated as per ASTM E-84. Test certifications to be submitted before commencement of job during drawing approval stage.

1.6.1.3 Structure Shall be made from heavy duty powder coated modular steel frame (minimum sheet thickness 1 to 1.6mm). It Shall be securely grouted from roof with help of anchor fastener and GI self-threaded rods. It shall be formed with the help of slotted rolled W sections (stiffener) and M section (Master) with help of M6 cage nut and bolts.

1.6.1.4 The powder coating metal sheet shall have possibility of being formed mechanically per the specific needs of the project. The powder coating shall be able to undergo stretching up to 100% and therefor follow (adhere to) bend with the steel in all its deformation.

1.6.1.5 The master section shall have laser cut profile to enable fixing of perforated, Non- Perforated & diffused continuous LED section with acrylic sheet.

1.6.1.6 The ceiling system should have double safety system to take care of seismic vibrations. Seismic joint clip on main W & cross runner will be made up of section having sizes 100 mm by 20mm.

1.6.1.7 The ceiling planks shall have locking redundancy to enhance seismic impact resistance.

1.6.1.8 Panels are then snap fitted individually on the grid frame work. The panels are also hold by safety wire to

ensure that these tiles do not fall during seismic vibrations.

1.6.1.9 Ceiling should be tested & qualified for Seismic Zone 4 or more. Valid report from Government approved Lab to be submitted before commencement of job during drawing approval stage.

1.6.2 Dimensional Details:

1.6.2.1 Non- Perforated Tile: - Machine profiled GI sheet of 290mm (Wide) available in various length of 600mm to 1800mm in multiple of 300mm

1.6.2.2 Perforated Tile: - Machine profiled GI sheet with fleece of 146mm (Wide) in various length of 600mm to 1800mm in multiple of 300mm.

1.6.2.3 Type- Clip on with double locking arrangements. (Key requirement). Should be easily openable to access above ceiling services. Special connection joineries to take care of seismic vibration.

1.6.3 Material Testing/Certification:

1.6.3.1 Powder coating: Must qualify 600 hours' salt spray test.

1.6.4 Component Specification:

1.6.4.1 Master M Section:

1.6.4.1.1 1.2 mm thick GI section length 1200mm. the installation to be carried out with runner's spaces at 1200/1500/2100 mm centre to centre securely fixed to the hanging "c" section by means at M6Nut and bolts.

1.6.4.1.2 The end section shall be covered by 0.8mm thick powder coated MS sheet.

1.6.4.1.3 The master section shall have laser cut profile to enable clip on tiles viz. perforated, Non-Perforated & diffused continuous LED section with acrylic sheet.

1.6.4.2 Hanging W Section:

1.6.4.2.1 Specially machine profiled W section 65x15x0.8mm. the section should be 2400 mm long & shall run across the length at the room.

1.6.4.2.2 Centre to center distance between W section shall be 1000mm.

1.6.4.2.3 These sections are securely fixed to the slab by means of Metal fastener and 8mm GI rod fully threaded (with hex nut for precision level adjustment.)

1.6.4.2.4 The two-master section shall be attached to each other by means at fixing plate 45x34mm & M6 cage nut & bolts.

1.6.4.3 U Section:

1.6.4.3.1 Machine profiled 'U' Section 150x77x0.6mm section to accurately continue running light.

1.6.4.3.2 It shall have provision for fixing acrylic sheet.

1.6.4.3.3 This whole assembly shall be hang from roof slab with help of anchor fastener and full threaded GI rod.

1.6.4.4 Ceiling Plank:

1.6.4.4.1 It shall have Laser cut holes/cut-outs for light fixing as per defined lux requirement and approved layout.

1.6.4.4.2 Non-perforated tile slots to be punched to accommodate AC grills.

1.6.5 2' X 2.5' Designer Acoustic Metal Plank False ceiling (Remaining Areas)

1.6.5.1 Factory made acoustic modular metal false ceiling of powder coated panels. Make shall comprising of

perforated and non-perforated metal panels (2' X 2.5') made through CNC laser Cutting, bending & punching. Panel shall be of 0.6mm galvanized metal of approved colour. Panels shall be designed to enhance visual feel, with provision for easy installation and maintenance, integrated lighting and scope for integration of building services like HVAC and fire detection/ fighting system.

1.6.5.2 As per design panel shall comprise of micro perforation for making false ceiling acoustically sound with fire rated acoustic fleece.

1.6.5.3 Ceiling Plank:

1.6.5.3.1 Plank shall be made from 0.6mm thick GI powder coated sheet of approved shade and sizes.

1.6.5.3.2 Light fitting can be defined as per the LUX requirement.

1.6.5.3.3 It shall have Laser cut circular hole for light fixing as per defined lux requirement and approved layout.

1.6.5.3.4 Non-perforated tile slots to be punched to accommodate AC grills.

1.6.5.4 Properties:-

1.6.5.4.1 High NRC (Noise Reduction Co-efficient)

1.6.5.4.2 Better Light reflectance & Fire performance.

1.6.5.4.3 Humidity Resistance.

1.6.6 Calcium Silicate Board ceiling:

1.6.6.1 Plain Calcium Silicate Acoustic Boards for false ceiling with 08mm Approx. thick, Structure for underside of suspended grid formed of GI perimeter channels. Wood screws and metal expansion raw plugs for fixing with wall. Plastic emulsion paint of approved make and shade for finishing surface of Calcium Silicate Boards.

1.6.6.2 General Specification of Calcium Silicate Board: this board is manufactured from a mixture of Portland cement, fine silica, special cellulose fibres and selected fillers to impart durability, toughness, fire and moisture resistance.

1.6.6.3 Expansion after expose to the water for 24 Hr.: 0.12%, Noise Resistance: B38, Water absorption by Weight: 34%, Fire resistance: BS 476 incombustible A1 Class.

## **1.7 LIGHTING AND ILLUMINATION**

1.7.1 LED lights

1.7.1.1 Brief:- The lights shall be available in flat panels. These shall be designed and developed with slim shape for stylish look. The product shall have better colour rendering index for interior illumination.

1.7.1.2 In LED shall have three basic choice of colours like cool white, warm white and neutral white. The LED lights shall have uniform light distribution without any spots on surface of panel, to make it highly luminous.

1.7.1.3 Features: -

1.7.1.3.1 Round LED Lights

a) Temperature- 3000 K to 6500K

b) CRI >70

c) Power Consumption 12W to 24W

d) Aesthetically designed enclosures

e) Highly efficient constant current LED drivers

f) Ideal replacement for traditional PAR/CFL lamp

g) Up to 80% energy saving.

h) LED's life >25,000 hrs @ L70

- 1.7.1.3.2 LED based Square Light
- a) Make: OSRAM/Philips/Wipro/
  - b) Light source: LED
  - c) Lumen output: 2800 – 3500
  - d) Light color: 3000K - 6500K
  - e) Power consumption: 29 to 38 W
  - f) Voltage: 220-240V AC 50Hz
  - g) Color: White
  - h) Lifetime: 35000 burning hrs. (At L70)
- 1.7.1.3.3 LED based Strip Light
- a) Make: OSRAM/Philips/Wipro
  - b) Light source: LED
  - c) Lumen output: 840 lm/Mtr.
  - d) Light color: 3000K/6000K
  - e) Power consumption: 9.8 W/Mtr.
  - f) Voltage: 12V AC 50Hz
  - g) Optics: Sand-blasted matt finish reflector
  - h) Color: White
  - i) Lifetime: 40000 burning hrs. (At L70)

## **1.8 WIRING FOR CEILING LIGHT**

- 1.8.1 Wiring for ceiling lights: For ceiling wiring inter looping will be done and switches will be provided.
- 1.8.2 The system of wiring shall consist of PVC insulated copper conductor stranded flexible FRLS wires of 1100 volts grade of insulation, in metallic conduits for all exposed wiring and PVC/ metallic conduits for all concealed wiring. Minimum size of copper conductor shall be 1.5 sq. mm for lighting and 2.5 sqmm for power. Color code shall be maintained for the entire wiring installation that is Red/Yellow/Blue (or as per Local Standards) for the all single phases, Black for neutral and Green for earthing.
- 1.8.3 Appropriate ferrule will be used in both the side (LDB Side & Switch's Side)
- 1.8.4 Note – Each Light Fixture will have 3 Wires: Phase, Neutral & Earth individually & If there is a need of another wire for Dimming/Dynamic Lighting Purpose then it will add on.
- 1.8.5 SWITCHES & SOCKETS
- 1.8.5.1 Compliance to stringent quality norms, Dual shutter mechanism for easy & better fitment Wide & flat switch knob for easy operation. FR grade polycarbonate with high impact resistance, shock proof & UV rays stabilized.
- 1.8.6 MCBs
- 1.8.6.1 For the control and protection of low voltage installations against overload and short circuits.
- 1.8.6.2 Ripping characteristic: C Curve – 5 to 10 x In
- 1.8.6.3 Rated at 25°C to -50°C
- 1.8.6.4 Isolation function
- 1.8.6.5 Double entry points, separate bus bar entry, open mouthed terminal and lift clamps.
- 1.8.7 Wires, Switches & Conduits for Furniture, Workstations & Air Conditioner Power wiring AC/DC wiring with DB - Wall & Floor conduits & Race ways

- 1.8.8 Wiring for telephone and LAN:- We will provide CAT-6 cables and sockets but any kind of servers, panels and server racks will be in the scope of the customer. Networking diagram will be in the scope of the customer. The server area should be on the same floor and the same should be within a range of 10mtr of the office area.

#### **1.9 PVC CONDUIT**

- 1.9.1 The conduits for all systems shall be high impact rigid PVC heavy-duty type and shall comply with I.E.E regulations for standardized conduit 1.6 mm thick as per IS 9537/1983.
- 1.9.2 All sections of conduit and relevant boxes shall be properly cleaned and glued using appropriate epoxy resin glue and the proper connecting pieces, like conduit fittings such as Mild Steel and should be so installed that they can remain accessible for existing cable or the installing of the additional cables.
- 1.9.3 No conduit less than 20mm external diameter shall be used. Conduit runs shall be so arranged that the cables connected to separate main circuits shall be enclosed in separate conduits, and that all lead and return wire of each circuit shall be run to the same circuit.
- 1.9.4 All conduits shall be smooth in bore, true in size and all ends where conduits are cut shall be carefully made true and all sharp edges trimmed. All joints between lengths of conduit or between conduit and fittings boxes shall be pushed firmly together and glued properly.
- 1.9.5 Cables shall not be drawn into conduits until the conduit system is erected, firmly fixed and cleaned out. Not more than two right angle bends or the equivalent shall be permitted between draw or junction boxes. Bending radius shall comply with I.E.E regulations for PVC pipes.
- 1.9.6 Conduit concealed in the ceiling slab shall run parallel to walls and beams and conduit concealed in the walls shall run vertical or horizontal.

The chase in the wall required in the recessed conduit system shall be neatly made and shall be of angle dimensions to permit the conduit to be fixed in the manner desired. Conduit in chase shall be held by steel hooks of approved design of 60cm centre the chases shall be filled up neatly after erection of conduit and brought to the original finish of the wall with cement concrete mixture 1:3:6 using 6mm thick stone aggregate and coarse sand.

#### **1.10 PLASTIC EMULSION PAINT:-**

Painting to new walls with 3 coats of plastic emulsion paint of approved brand and shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials including cost and conveyance of all materials to work site and all operational, incidental, labour charges etc complete for finished item of work over one coat of primer total 3 coats

#### **1.11 WALL PUTTY:-**

Providing and applying synthetic plaster putty or equivalent putty such as birla wall care putty of average 1 to 2 mm thick over plastered surface to prepare the surface even and smooth after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials, applying emery paper, sand the surface, clean & wipe off loose dust, applying, knifing paste filler by putty knife / muslin pad, air dry for 2-3 hrs., sand with 180 and 320 no. Emery paper for the surface preparation including cost and conveyance of all materials to site, all operational, incidental, labour charges etc., complete for finished item of work for internal walls.

## **1.12 FLOORING**

### **1.12.1 Acoustic Laminate Flooring in Control Room:-**

1.12.1.1 Acoustic flooring (shall reduce impact sound by 14dB (ISO 717-2)). It shall be twin layer linoleum built up from 2 mm acoustic and a 2 mm Corkment backing. Flooring shall be decorative type of approved shade, pattern, texture and design and of approved manufacturer. Flooring shall be laid over concrete floor with laying compound strictly as per manufacturer's specification. The Acoustic Laminate Flooring must be Greenguard certified.

1.12.1.2 For Fixing details please refer the procedure mentioned below.

- 1.12.1.2.1 Areas to receive material should be clean, fully enclosed and weather tight with the permanent HVAC in operation. A minimum temperature 68° F to be maintained during the installation, and for at least seven days following the installation.
- 1.12.1.2.2 Concrete substrates shall be structurally sound, rigid, smooth, flat, clean, and permanently dry. The concrete surface must be free of all foreign materials including, but not limited to, dust, paint, grease, oils, and solvents, curing and hardening compounds, sealers, asphalt and old adhesive residue.
- 1.12.1.2.3 Concrete substrates shall have a minimum compressive strength of 3,000 psi and a dry density of at least 150 pounds per cubic foot.
- 1.12.1.2.4 Concrete substrates on or below grade are required to have an effective moisture vapor retarder installed directly below the slab. The vapor retarder shall be puncture and tear resistant with a minimum thickness of 0.010" and a presence of 0.1 y. (Refer to ASTM E 1745.).
- 1.12.1.2.5 Use material from the same batch/dye lot.
- 1.12.1.2.6 Do Not Reverse sheets for seaming.
- 1.12.1.2.7 Remove fresh adhesive residue immediately with a clean white damp cloth. Dried adhesive can be removed with a clean white cloth and mineral spirits.
- 1.12.1.2.8 When installing acoustic laminate and linoleum with jute backing on porous substrates, no open time is necessary before placing the flooring material into the adhesive.
- 1.12.1.2.9 After adhering, immediately roll the flooring in both directions using a 100-pound roller. Roll first across the width and then along the length so that any trapped air pockets will be removed.
- 1.12.1.2.10 The flooring material must also remain in contact with the adhesive while the adhesive is drying and curing.
- 1.12.1.2.11 Adequate relaxing should enable the material to remain in contact with the adhesive, but if necessary, weight should be applied after rolling to ensure that the flooring material remains in full contact with the adhesive while the adhesive is drying.  
Note: To ensure proper transfer of adhesive to the material backing at walls and fixtures, roll the edges of the material with a steel steam roller.

### **1.12.2 Vitrified Flooring for other areas:-**

1.12.2.1 Fully vitrified 10 mm thick non-porous, homogenous, abrasion resistant, minimum size 600 mm x 600 mm x 10mm of approved color and shall be laid over concrete floor with laying compound strictly as per manufacturer's specification. Total thickness of the flooring shall be 40mm thick including the thickness of the tiles, under bed. Tiles will be laid with 2 mm gap using spacers and gap will be filled with black color epoxy laticrete.

## **1.13 FIXED WINDOW WITH ALUMINUM FRAME**

1.13.1 "Aluminium framed fixed window with "z" frame, powder coated, 16 gauge frame/sub frame, 5.5 mm thick



float glass & EDPM beading".

**1.14 VENETIAN BLINDS FOR WINDOWS**

1.14.1 Vertical Louvre Fabric Blinds System with extruded aluminum head rail finished in silver anodized. Operation of louvers by cord for traverse and chain for rotation.

**1.15 DESIGNER PRIVACY FILM FOR GLASS PARTITION & GLASS DOOR:-**

1.15.1 Decorative glass films for creating different environments and desired ambience. There shall be choice of multiple colours and exclusive designs.

**1.16 CORPORATE LOGO – Approx. Dimensions:1200mm(W) X 900mm(H)**

**1.17 Signage on Doors Entry and Exit**

Specification: Signage's are made up of laser cut Anti-Corrosive high grade AISI 316 Stainless Steel of 2mm thick sheet with laser cut method for impression and with satin finish.

Approx. Dimensions: 300 mm X 170 mm X 2 mm

1.18 M. S. Structure for suspending false ceiling:-Fabricated MS Structure required for false ceiling.

**FURNITURE SCHEDULE**

**1. MEETING TABLE (6 SEATER) :-**

- 1.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 1.2 Legs: Ergonomically designed and matching with the open office concept. The leg shall be made out of rectangular MS pipes 75X25 with approved finish.
- 1.3 Supports: Pipe shall be made up of 1.6mm thick 40 x 40mm CRCA Laser cut components, powder coated with the matching shade/color/finish.
- 1.4 Connector: Pipe and leg are interconnected with Aluminum Die Casted connector specially designed for connecting different dimension pipe.
- 1.5 Cable tray: Shall be made up of CRCA sheet, Cable tray is used for running the wires.
- 1.6 Accessories: Flap

**2. MEETING TABLE (7 SEATER) :-**

- 2.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 2.2 Legs: Ergonomically designed and matching with the open office concept. The leg shall be made out of rectangular MS pipes 75X25 with approved finish.
- 2.3 Supports: Pipe shall be made up of 1.6mm thick 40 x 40mm CRCA Laser cut components, powder coated with the matching shade/color/finish.
- 2.4 Connector: Pipe and leg are interconnected with Aluminum Die Casted connector specially designed for connecting different dimension pipe.
- 2.5 Cable tray: Shall be made up of CRCA sheet, Cable tray is used for running the wires.
- 2.6 Accessories: Flap

**3. MEETING TABLE (8 SEATER) :-**

- 3.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 3.2 Legs: Ergonomically designed and matching with the open office concept. The leg shall be made out of rectangular MS pipes 75X25 with approved finish.
- 3.3 Supports: Pipe shall be made up of 1.6mm thick 40 x 40mm CRCA Laser cut components, powder coated with the matching shade/color/finish.
- 3.4 Connector: Pipe and leg are interconnected with Aluminum Die Casted connector specially designed for connecting different dimension pipe.
- 3.5 Cable tray: Shall be made up of CRCA sheet, Cable tray is used for running the wires.
- 3.6 Accessories: Flap

**4. MEETING TABLE (10 SEATER) :-**

- 4.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 4.2 Legs: Ergonomically designed and matching with the open office concept. The leg shall be made out of rectangular MS pipes 75X25 with approved finish.
- 4.3 Supports: Pipe shall be made up of 1.6mm thick 40 x 40mm CRCA Laser cut components, powder coated with the matching shade/color/finish.
- 4.4 Connector: Pipe and leg are interconnected with Aluminum Die Casted connector specially designed for connecting different dimension pipe.
- 4.5 Cable tray and Cable Riser: Shall be made up of CRCA sheet, Cable tray is used for running the wires.
- 4.6 Accessories: Flap

**5. MANAGER TABLE WITH SIDE RUNNER:-**

- 5.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 5.2 Legs: Ergonomically designed and matching with the open office concept. The leg shall be made out of rectangular MS pipes 75X25 with approved finish.
- 5.3 Supports: Pipe shall be made up of 1.6mm thick 40 x 40mm CRCA Laser cut components, powder coated with the matching shade/color/finish.
- 5.4 Connector: Pipe and leg are interconnected with Aluminum Die Casted connector specially designed for connecting different dimension pipe.
- 5.5 Modesty Panel: Shall be made up of CRCA sheet.
- 5.6 Accessories: Flap, Cable Riser
- 5.7 Side Runner combination of 3Drawer Pedestal + Openable Shutter: It is made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.

**6. MANAGER TABLE WITH SIDE RUNNER AND BACK RUNNER:-**

- 6.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 6.2 Legs: Ergonomically designed and matching with the open office concept. The leg shall be made out of rectangular MS pipes 75X25 with approved finish.
- 6.3 Supports: Pipe shall be made up of 1.6mm thick 40 x 40mm CRCA Laser cut components, powder coated with

the matching shade/color/finish.

- 6.4 Connector: Pipe and leg are interconnected with Aluminum Die Casted connector specially designed for connecting different dimension pipe.
- 6.5 Modesty Panel: Shall be made up of CRCA sheet.
- 6.6 Accessories: Flap, Cable Riser
- 6.7 Side Runner combination of 3Drawer Pedestal + Openable Shutter: Made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 6.8 Back Runner (Openable Shutter): Made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.

#### **7. COMPUTER TABLE:-**

- 7.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 7.2 Under Structure Leg: The material should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 7.3 Modesty Panel: Made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 7.4 Accessories: Cable Manager

#### **8. ROUND MEETING TABLE:-**

- 8.1 Work Surface: The material of working surface should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 8.2 Understructure Pole: Made up of CRCA Powder Coated Finish.
- 8.3 Plate Below Table Top for Support: Made up of 3mm thick CRCA Powder Coated Finish
- 8.4 Understructure Plate at Bottom: Made up of 8mm thick CRCA Powder Coated Finish

#### **9. MEDIUM HEIGHT STORAGE(1200MM HT):-**

- 9.1 Table Top: The table top should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 9.2 Shutter: The shutter should be minimum 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 9.3 Understructure: Made up of CRCA Powder Coated Finish.

#### **10. OVERHEAD STORAGE(450MM HT):-**

- 10.1.1 Table Top: The table top should be minimum 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 10.1.2 Shutter: The shutter should be minimum 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape.
- 10.2 Understructure: Made up of CRCA Powder Coated Finish.

#### **11. Office Chair:**

- 11.1 Medium Back Chair
- 11.2 PP Arm
- 11.3 Nylon Base
- 11.4 Gas Lift
- 11.5 Seat Back Net Tapestry



**Note:** The specifications for other items civil works, Paint, fire and AC, Electrical works which are not given above will be as per Rajasthan Public works department specifications.

**ANNEXURE-2: BILL OF QUANTITY (BOQ)**

Sl. No.	Item Description	Quantity	Units
1	2	3	4
<b>1</b>	<b>Civil Schedule</b>		
2	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement mortar 1 : 6 (1 cement : 6 coarse sand)	108.00	CUM
3	Half brick masonry in Superstructure , above plinth level upto floor V level using bricks of designation 75 Cement mortar 1 : 6 (1 cement : 6 coarse sand)	608.00	Sq. Mtr.
4	Add extra providing and placing in position 2 Nos. , 6mm Ø M.S. bar at every third course of half brick masonry.	608.00	Sq. Mtr.
5	Random Rubble stone masonry with hard stone in superstructure above plinth level and upto five level above 30cm. thick walls in Cement mortar 1:6 ( 1 cement : 6 coarse sand).	61.00	CUM
6	Plaster on new surface on walls in cement sand mortar 1:4 including racking of joints etc. complete fine finish :12 mm thk. The rate is inclusive of work up to G+4 Level including scaffolding.	1822.00	Sq. Mtr.
7	Supply and Installation of False Ceiling void insulation for Data Center area with 19 mm thick "Class O", factory laminated Al. Foil Elastomeric nitrile rubber / cross linked polyolefin foam. Quoted price shall be inclusive of Adhesive, nitrile rubber Al tapes, etc	1215.00	Sq. Mtr.
8	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying : a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sqm mixed with water proffing cement compound @ 0.253 kg/sqm. b) laying second layer of Fiber glass cloth when the first layer is still green . Overlaps of joints of fiber cloth should not be less than 10 cm . c) Third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proffing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around d) fourth and final layer of ceramic tiling/CC Flooring (as per engineer-in-charge) 'with cement mortar or any other approved protective coarse. (which will be paid for separately) For the purpose of measurement the entire treated surface will be measured	729.00	Sq. Mtr.
9	Extra over items of Cement Plaster / Cement Concrete flooring / Plain or RCC work Providing and mixing admixture of synthetic Fiber 6mm / 12mm. @ rate of 125gm. Pack per 50kg. Of cement or in the ratio of as specified by manufacture specification and direction of Engineer-in-charges with all leads and lifts. ( P Pack 125 gm )	729.00	Sq. Mtr.
10	Exterior Zig Zag Paver Block	1215.00	Sq. Mtr.
11	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting (height upto 10 m) , fixing in position and applying a priming coat of approved steel primer all complete:	12143.00	KG.
12	Demolishing stone rubble masonry in cement mortor 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:	122.00	CUM
13	Demolishing CC/R.C.C. work by mechanical power driven means and stockpiling at designated locations and disposal of dismantled material up to to lead of 50 m, stacking serviceable and unserviceable material seperately including cutting	122.00	CUM

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	reinforcement bars		
14	Dismantling stone slab/ terrazo chip flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meters lead.	304.00	Sq. Mtr.
15	Demolishing Brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 meters lead as per direction of Engineer-in-charge: In cement mortar.	92.00	CUM
16	Dismantling doors, windows and clearstory windows steel or wood shutter including chowkhats and holdfasts etc. complete and stacking within 50 meters lead and buying back the material. for Item 17, 18		
17	Of area 3 square meter and below.	31.00	Each
18	Of area exceeding 3 square meter.	31.00	Each
19	Random rubble dry stone Kharanja under floor.	19.00	cum
20	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement: 3 coarse sand) and making good the joints and cost of plastizers (if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, griders having slopes up to 15°, landings, balconies, shelves, chajjas, lintels, bands, plain windows sills, staircases and spiral staircases etc. M20 grade Nominal Mix / Design Mix	31.00	cum
21	Providing and fabricating reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of binding wire) all complete up to floor five level.	911.00	KG.
22	Kota stone slab flooring 25 mm thick over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand)	61.00	sqm
23	Dismantling aluminium/Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable material and stacking of serviceable material with in 50 meters lead as directed by Engineer-in-charge and buying back the material.	304.00	sqm
24	Providing and laying in position cement concrete including curing, compaction etc. complete in specified grade excluding the cost of centering and shuttering - All work up to plinth level. 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	49.00	cum
25	Dismantling tile work 10mm to 25mm thickness in floors and wall laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 meter lead:	304.00	Sq. Mtr.
<b>26</b>	<b>Control Room Interior BOQ Schedule</b>		
27	Supply & Installation of Designer Lattice Metal Wall Paneling :- It shall consist of CNC Laser cut & Powder coat metal panel with metal sheets of Preformed textured RIGID PVC over GI sheet panels which shall be fixed on framework. For more details please refer Technical specification enclosed in rfp .	1855.00	Sq. Ft.
28	Supply & Installation of Acoustic Metal Partition:- Partition with factory made removable type self inter lockable metal panels of Preformed textured RIGID PVC coated GI sheet panels. The metal panels fixed on structure made of 1.6 mm thick MS channels bent over automatic punching and	2214.00	Sq. Ft.



Sl. No.	Item Description	Quantity	Units
1	2	3	4
	bending CNC. and their properties shall be as follows :- 1) Resistance to extremes of weather exposure and temperature. 2) Very low coefficient of expansion. 3) Can be cleaned using detergents. 4) Superior flatness – ideal of creating smooth, monolithic surface. For more details please refer Technical specification enclosed in rfp		
29	Supply & Installation of Acoustic Metal Wall Paneling :- Paneling with factory made removable type self inter lockable metal panels of Preformed textured RIGID PVC coated GI sheet panels. The metal panels fixed on structure made of 1.6 mm thick MS channels bent over automatic punching to fix metal panel and bending CNC. and their properties shall be as follows :- 1) Resistance to extremes of weather exposure and temperature. 2) Very low coefficient of expansion. 3) Can be cleaned using detergents. 4) Superior flatness – ideal of creating smooth, monolithic surface. For more details please refer Technical specification enclosed in rfp	15220.00	Sq. Ft.
30	Supply & Installation of Glass Partition Material:- (12 mm thick toughened glass) Including full glass partitions of minimum 12 mm thick clear toughened glass, structural support system for top and bottom including holding system from RCC slab above false ceiling, including runner hung anchor fastener to fix it. Rubber interlinear & gaskets to fix bottom into SS "U" channel in floor. silicon sealant to filled gap. For more details please refer Technical specification enclosed in rfp	2463.00	Sq. Ft.
31	Supply & Installation of 12mm thick frameless tempered clear glass doors :- With door spring and locking arrangements and both way handle and patch fittings. Specifications : Tempered glass is formed by heating glass to the softening point in a horizontal tempering stove, and then quickly cooling it. Properties: 1) Safety (tempered): when broken, it spits into tiny harmless pieces 2) Strong intensity: heat-strengthened glass is approximately twice as strong as annealed glass of the same thickness, and tempered glass is about 4 times 3) Outstanding performance in resisting thermal stress and wind-load 4) Tempered glass cannot be cut, drill hole and other further processed. For more details please refer Technical specification enclosed in rfp	1620.00	Sq. Ft.
32	Supply & Installation of Designer Metal doors with frame (with glass vision panel) covered with Preformed textured RIGID PVC coated GI sheet:- With door closer/spring and locking arrangements and both way handle. Structure made of 1.6 mm thick MS channels bended over automatic punching and bending CNC. For more details please refer Technical specification enclosed in rfp	835.00	Sq. Ft.
33	Supply & Installation of Designer Acoustic Metal False ceiling with linear planks :- The ceiling system will consist of linear box shaped panels shall be made up of combination of perforated and non-perforated panels so as to achieve strength and acoustics. These tiles shall be bend through CNC, machine punched & laser Cut so as to achieve perfect accuracy. Panels fixed to an adjustable suspension system which allows for individual panels to be removable type. Structure Shall be made from heavy duty powder coated modular steel frame (minimum sheet thickness 1 to 1.6mm). Anchor fastener and GI self-threaded rods for	6000.00	Sq. Ft.

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	grout this from roof. It shall be formed with the help of slotted rolled W sections (stiffener) and M section (Master) with help of M6 cage nut and bolts. For more details please refer Technical specification enclosed in rfp		
34	Supply & Installation of Grid type 2' X 2' Ceiling in Cabin areas and other rooms:- Modular perforated metal false ceiling. Tile dimension shall be 2' X 2'. with durable regular edging and having following properties:- i) NRC (Noise Reduction Co-efficient) ii) Light reflectance. iii) Fire performance. iv) Humidity Resistance. v) Hot dipped galvanized steel. vi) Baked Polyester Paint surface. For more details please refer Technical specification enclosed in rfp	4032.00	Sq. Ft.
35	Supply & Installation of Calcium Silicate Board Ceiling Material:- Plain Calcium Silicate acoustic Boards for false ceiling with 8mm Approx. thick, Structure for underside of suspended grid formed of GI perimeter channels. Wood screws and metal expansion raw plugs for fixing with wall. Plastic emulsion paint of approved make and shade for finishing surface of Calcium Silicate Boards. Specification: Calcium Silicate Board is manufactured from a mixture of Portland cement, fine silica, special cellulose fibers and selected fillers to impart durability, toughness, fire and moisture resistance. Expansion after expose to the water for 24 Hr.: 0.12%, Noise Resistance: B38, Water absorption by Weight: 34%, Fire resistance: BS 476 incombustible A1 Class. For more details please refer Technical specification enclosed in rfp	4565.00	Sq. Ft.
36	Supply & Installation of Antistatic Flooring material of Laminate Flooring Systems :- Floor system with durable & environment friendly acoustic twinlayer linoleum built up from 2 mm Laminate and a 2 mm Corkment backing. Floor to be decorative type of approved shade, pattern, texture and design and of approved manufacturer. Dimensions shall be as per the final approved design and site requirement. For more details please refer Technical specification enclosed in rfp	10403.00	Sq. Ft.
37	Supply & Installation of Vitrified Flooring :- Fully vitrified, 10 mm thick non-porous, homogenous, abrasion resistant, minimum size 600 mm x 600 mm x 10mm of approved color and shall be laid over concrete floor with laying compound strictly as per manufacturer's specification. Total thickness of the flooring shall be 40mm thick including the thickness of the tiles, under bed. Tiles will be laid with 2 mm gap using spacers and gap will be filled with black color epoxy latictere. For more details please refer Technical specification enclosed in rfp	4199.00	Sq. Ft.
38	Supply & Installation of Granite Stone for Staircase Trades and Risers :- Providing Granite stone flooring in required design and patterns, all complete as per the architectural drawings with 18mm thick pre polished black granite stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade. all complete as specified and as directed by the Engineer-in-Charge. For more details please refer Technical specification enclosed in rfp	325.00	Sq. Ft.
39	Supply & Installation of Fixed window with aluminum frame :-	1209.00	Sq. Ft.

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	"Aluminium framed fixed window with "z" frame, powder coated, 16 gauge frame/sub frame, 5.5 mm thick float glass & EDPM beading". For more details please refer Technical specification enclosed in rfp		
40	Supply & Installation of Roller Blinds For Windows: - Vertical Louvre Fabric Blinds System with extruded aluminium headrail finished in silver anodised. Operation of louvers by cord for traverse and chain for rotation. For more details please refer Technical specification enclosed in rfp	1201.00	Sq. Ft.
41	Supply & Installation of Optional CORPORATE LOGO Approx. Dimensions: 1200mm(W) X 900mm(H) For more details please refer Technical specification enclosed in rfp	17.00	Nos.
42	Supply & Installation of Signage on Doors Entry and Exit Specification: Signage's are made up of laser cut Anti-Corrosive high grade AISI 316 Stainless Steel of 2mm thick sheet with laser cut method for impression and with satin finish. Approx. Dimensions: 300 mm X 170 mm X 2 mm For more details please refer Technical specification enclosed in rfp	95.00	Nos.
43	Supply & Installation of Designer privacy film for glass Partition and glass Door	1874.00	Sq. Ft.
44	Plastic emulsion paint: - The surface shall be free from dust, dirt, grease and other foreign matter and shall be smooth by sand papering. The primer coat shall be alkali resistant primer or emulsion primer and shall be same manufacture as plastic paint. For more details please refer Technical specification enclosed in rfp	11580.00	Sq. Ft.
45	Supply & Installation of Exterior Paint For more details please refer Technical specification enclosed in rfp	25857.00	Sq. Ft.
46	Supply & Installation of Wall Putty: - Material for 2mm thick Putty on all exposed portions of beams, columns and walls as directed by the Engineer in charge including mixing, scraping, and levelling the surface, cleaning and complete in all respects to receive the paints & finishes. For more details please refer Technical specification enclosed in rfp	37437.00	Sq. Ft.
<b>47</b>	<b>Fire &amp; AC BOQ Schedule</b>		
48	Supply & Fixing ISI marked ( IS : 15683 ) Portable Fire Extinguisher, ABC type, finished externally with red enamel paint, complete in all respects including initial fill and wall suspension of following capacity.		
49	2 kg	19.00	Each
50	4 kg	55.00	Each
51	SITC of Air Cooled split type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), surface / concealed copper Refrigerant piping with insulation (Nitrile rubber/XLPE insulation) upto 5 Mtr (IDU to ODU), copper power cable upto 5 Mtr (IDU to ODU), R-22/R-410 Refrigerant, Remote, suitable for 400/230V +10% of 50 Hz ,1 /3 phase AC supply capable of performing cooling, dehumidification, air circulation of following capacity with Scroll / reciprocating / rotary compressor as specified.		
52	Hi Wall/Ceiling Wall Split for Item 53, 54 below		
53	1.5 TR with 5 star rating of BEE	37.00	Each
54	2.0 TR with 5 star rating of BEE	37.00	Each
55	SITC of Air Cooled Cassette type Air conditioners complete with Indoor unit(IDU), Out door unit (ODU), surface / concealed copper Refrigerant piping with insulation (EP		

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	foam pipe section) upto 10 Mtr (IDU to ODU), copper power cable upto 10 Mtr (IDU to ODU), R-22 Refrigerant, wireless Remote, drain pump,suitable for 400/230V +10% of 50 Hz ,1 /3 phase AC supply capable of performing cooling, dehumidification, Air circulation, filtration & ventilation of following capacity with Scroll / reciprocating / rotary compressor as specified. for Item 56, 57		
56	1.5 Ton	37.00	Each
57	2 Ton	37.00	Each
58	SITC of Interconnecting refrigerant pipe work with closed cell elastomeric nitrile rubber tubular insulation between each set of indoor & outdoor units as per specifications including chase cutting, supports etc. as required. for Item 59, 60, 61, 62		
59	6.35 mm	61.00	Mtr.
60	9.53 mm	61.00	Mtr.
61	12.7 mm	46.00	Mtr.
62	15.88 mm	46.00	Mtr.
63	S & F of rigid CPVC (25mm) drain piping of 6 kg/ cm2 with 6mm thick nitrile rubber insulation.	304.00	Mtr.
64	S & F of FR PVC insulated & sheathed 3 core flexible copper conductor ISI marked (IS:694) of 1.1 kV grade of following rating: for Item 65, 66, 67, 68		
65	1.5 Sq.mm	183.00	Mtr.
66	2.5 Sq.mm	304.00	Mtr.
67	4.0 Sq.mm	304.00	Mtr.
68	6.0 Sq.mm	152.00	Mtr.
69	Making hole in stone masonry/ RCC with core cutter for accomodating refrigerant pipe/ drain pipe for split/ cassattee/ ductable AC, 50mm to 150mm	31.00	Mtr.
70	Supply , instalaltion , Testing and commissioning of following KVA stabliser suitable for operation on 230 volt , 50 Hz AC supply . The stabliser should give stablised output supply of 230 Volts. for Item 71, 72, 73		
71	3 KVA	19.00	Each
72	4 KVA	61.00	Each
73	5 KVA	73.00	Each
<b>74</b>	<b>Electrical BOQ Schedule</b>		
75	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tiles,Hot Dipped Galvanized Modular Box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A Modular switch,Modular plate with grid plate, screws, making connections, testing etc. as required. for Item 76, 77, 78		
76	Short point (up to 3 mtr.)	122.00	P. point
77	Medium point (up to 6 mtr.)	243.00	P. point
78	Long point (up to 10 mtr..)	243.00	P. point
79	Wiring of twin control light point with 1.5 sq. mm nominal size FR PVC insulated		

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, round tles, Hot Dipped Galvanized M.S Modular box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A two way Modular switch, Modular plate with grid plate, screws, making connections, testing etc. as required.		
80	Medium point (up to 6 mtr.)	19.00	P. point
81	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked medium duty PVC conduit & it's accessories, Hot Dipped Galvanized M.S Modular box with earth terminal, screwless cage connectors for neutral looping in switch board , 6 A modular switch, 6 A modular socket, Modular plate with grid plate, screws, making connections, testing etc. as required. for Item 82, 83, 84		
82	On board	61.00	P. point
83	Medium point (up to 6 mtr.)	61.00	P. point
84	long point (up to 10 mtr.)	61.00	P. point
85	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall and making good the same as required. for Item 86, 87, 88, 89		
86	20 mm	608.00	R. mtr.
87	25 mm	456.00	R. mtr.
88	32 mm	152.00	R. mtr.
89	40 mm	152.00	R. mtr.
90	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required. for Item 91, 92		
91	3x 1.5 sq.mm ( For Extra Long Points	608.00	Mtr.
92	2 x2.5 sq. mm.+1x1.5sqmm (For Light+ Ups Circuits+ Power Point Wiring)	1215.00	Mtr.
93	Supplying and drawing PVC/ Polythene insulated and PVC sheathed unarmoured/ armoured telephone cable with 0.5 mm dia. Tinned / annealed copper conductor taped & confirming to ITD specification S/WS -113C of approved make in existing surface or recessed conduit/casing capping. for Item 94, 95		
94	Unarmoured Telephone cable in existing surface or recessed conduit/casing capping.	911.00	Mtr.
95	3 pair	365.00	Mtr.
96	Jelly filled armoured (PIJF) Armoured telephone cable including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, Ind class bricks covering,		

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	refilling earth, compaction of earth, making necessary connection, testing etc. as required of size.		
97	5 pair	365.00	Mtr.
98	P & F Krone type main distribution frame [ MDF] in the recess/ surface made out of 16 SWG sheet steel box, front openable, having locking arrangements duly painted with 2 coats of red oxide paint & two coats of enamel paint		
99	10 Pairs	16.00	Each
100	Supply , Drawing and Testing of 4 pair, 24 AWG UTP Cat 6 Cable as per latest ammendments of TIA /EIA 568 B.2-1 Specifications in existing MS/PVC Conduits including making connections to Information outlets and Patch Panels with ferruling at both ends for identification with necessary tools for punching, stripping, crimping and testing required.	911.00	mtr
101	Supply and Installation of Information outlets made of high impact plastic body ABS FR Grade with spring loaded collapsible shutters in jack Recess, suitable for Cat 6 application complying to latest ammendments EIA/ TIA 568 B.2-1 Specifications in existing modular /MS Boxes along with necessary connections as required.	92.00	Each
102	Supply , Installation, Testing and Comissioning of Rack mounted 19", Cat 6 UTP, 1.5-1.6 MM CRS chasis , powder coated Modular Patch Panels with collapsible shutters on jacks to support latest ammendments of TIA / EIA Cat 6 Specifications in Existing Communication Rack along with necessary connections of Cat 6 UTP Cables, With Rear Cable management trays and clamps.		
103	24 Ports	16.00	Each
104	Supply , Installation and Testing of 4 pair, 100 Ohm, 24 AWG , Cat 6 UTP, flexible, Double ended Patch Cords along with 2 No of RJ 45 connectors with strain relief transparent boots as per TIA /EIA 568 B.2-1 Specifications.		
105	1 Mtr/3 ft	122.00	Each
106	Supply , Installation, Testing and Comissioning of Wall mounted Communication rack with glass doors, swing handles ,lock , Top and Bottom Cable entries, Supports for mounting rack on wall , Cable managers, Fan tray with 2 x 230 Volt fans, Equipment mounting hardware, power supply box for supplying power to switches, fans etc along with earth continuity kit, Mcb, indicator, moulded power supply cable.		
107	12 U(44 mm ) wall mounted	16.00	Each
108	Supply & Installation of GI Under Floor Traunking or Raceway 25/38mm Height m for Data, Telephone & Ups MAKE: MK/ LEGRAND		
109	50 X 25 X 1.6/1 Comparment	304.00	P. Mtr.
110	75 X 25 X 1.6/1 Comparment	304.00	P. Mtr.
111	100 X 25 X 1.6/1 Comparment	729.00	P. Mtr.
112	100 X 38 X 1.6/1 Comparment	608.00	P. Mtr.
113	P & F following modular accessories made out of unbreakable and fire retadent poly carbonate with silver contacts including making connections teating etc as required. for Item 114 to 125		



Sl. No.	Item Description	Quantity	Units
1	2	3	4
114	6 A bell push	37.00	Each
115	16 A one way switch	110.00	Each
116	16 A 6 pin shuttered socket	110.00	Each
117	RJ-11 telephone jack single two line	37.00	Each
118	5 step fan regulator	61.00	Each
119	Blanking plate	61.00	Each
120	P & F following size mounting grid plates with cover plates.		
121	8 Module	61.00	Each
122	3 Module	61.00	Each
123	P & F following size hot dip galvanized M.S. box with earthing terminal in recess/ surface suitable for modular accessories as required.		
124	8 Module	61.00	Each
125	3 Module	61.00	Each
126	P & F ISI marked single tone electronic call bell including making connection testing etc. as required.	37.00	Each
127	P&F 240/415 V MCB of breaking capacity not less than 10 KA (D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required .		
128	Single pole MCB		
129	6 A to 32 A rating	608.00	Each
130	Double pole MCB for Ups DB		
131	6 A to 32 A rating	46.00	Each
132	P&F of RCBO with overload, short-circuit and earth leakage protection ISI marked (IS12640)/ conforming to IEC 61009/1 complete in all respect including making connections with lugs, testing etc. as required.		
133	Four pole 100/300 mA sensitivity		
134	40 A rating	46.00	Each
135	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phosphatised/ powder painted complete with copper bus bar, shorting link , neutral link, earth link and din bar, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required .		
136	Double door (single phase)		
137	12 Way	16.00	Each
138	Double door (Three phase)		
139	8 Way	16.00	Each
140	P, Laying and jointing of RCC class NP2 Non Pressure pipes ( IS:458) with collars Jointed with cement mortar of ratio 1:2 including excavation etc. as required		
141	100 mm dia. Internal	122.00	Mtr
142	Making of hole in wall of required size for housing exhaust fan and making good the same, with cement plaster as required of following size:		
143	Up to 457 mm size	31.00	Each
144	P & F double ball bearing capacitor start ceiling fan of approved make complete with regulator and other accessories as required.		
145	1200 mm sweep	61.00	Each
146	P&F of capacitor start, plastic body, metal blade three speed wall mounting fan of following sweep with the help of anchor bolts including making connection testing etc. as required.		



Sl. No.	Item Description	Quantity	Units
1	2	3	4
147	400mm sweep (oscillating type)	31.00	Each
148	P & F 18 mm thick M.S. Recessed fan box, hexagonal/ round of size 130 mm dia, depth 75mm, 12 mm dia rod fan hook with 100 mm length extended on each side .	31.00	Each
149	P & F P.V.C. sheet of size 75 mm dia. Including screws, cup washer as required.	31.00	Each
150	P & F of M.S. J- hook of standard design made out of 16 mm dia. M.S. round bar and fixed with cement concrete mortar with required support as required.	61.00	Each
151	P & F extra down rod of 15 mm dia. ERW (Electrical resistance welded )medium duty steel pipe including cutting, threading, drilling, fixing quarter pin etc as reqd.	20.00	Mtr.
152	P & F IS:371 marked 6 amp surface type ceiling rose including making connection testing etc. as required.	122.00	Each
153	P&F of Heavy duty capacitor start, Double ball bearing 900/1400 RPM single phase ISI marked Exhaust fan,IS:2312 marked in existing opening including making connections testing etc. as required.		
154	300 mm sweep(900/1400 RPM)	19.00	Each
155	P & F box type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating / Stove enamelled Paint complete with accessories like (EB , starter , starter seat )/EB ,condensor,rotor holder, terminal block duly prewired with copper conductor including making connection, testing etc. as required.		
156	1 X 28 Watts with EB	152.00	Each
157	P & F Fluorscent tube rod in existing fixtures as required .		
158	T5 lamps,28 Watts	152.00	Each
159	P & F ISI marked 6 amp bakelite batten/angle holder including making connection testing etc. as required. 13/18 watt	152.00	Each
160	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required.		
161	8 SWG G.I. ( Hot Dipped ) Wire	486.00	Mtr.
162	S & Laying following size ' A' class G.I. Pipe with accessories for laying earth conductor/strip in ground/surface/recess as required		
163	40 mm dia [3 MTR X 8 ]	183.00	Mtr.
164	Gel earthing with Pipe in pipe/strip technology filled with anti corrosive conductive compound below the ground in 150-200 mm dia earth pit & surrounding filled with required mineral filling compound( MFC should have hygrosocopic property to retain the moisture for long time to create low resistance zone) and C.C finished chamber covered with hinged type with locking arrangment C.I. Cover, C.I. Frame of size 300mm x 300mm complete with filling of Ash gel compound (Dharkan or equivalent approved make), testing of earth resistance as required..		
165	GI Pipe 3000 mm long 50/25, terminal 14mm GI Strip	37.00	Each
166	GI pipe 3000 mm long, 80 / 40 mm, Terminal 14 mm GI Strip	19.00	Each
167	SITC of wall/ free standing floor mounted dust and vermin proof compartmentalised cubical panel made out of CRCA sheet , required hardware ,duly painted by either two coats of zinc/ red oxide primer followed by two coats of synthetic enamel paint or powder coating in grey or required shade after rinsing . The panel having PU/ Neoprene rubber gasket of not less than 3mm thickness , separate detachable gland plate M.S. base channel ,hinged door with locking arrangement for equipment/switchgear . Thickness of sheet shall not be less than 1.6 mm up to 600 mm length / width of any	61.00	Sq mtr

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	compartment and be of 2.0 mm above 600 mm. Load bearing structure shall be of 2.0 mm thick sheet supported by base M.S. channel if required . Side walls and cable alley compartments having bolted type doors with detachable extension type structure. (only outer area on all sides shall be measured ) Powder Coated/ Epoxy/ PU painted with phosphatisation		
168	Supplying and fixing of Aluminium / Copper bus bar by means of SMC / DMC type insulator, high tensile nuts and bolts spring washers in existing panel including bending , cutting in required shape and size and colour coding with heat shrinkable PVC sleeves. Electrolytic grade Aluminium bus bar	213.00	KG.
169	SITC of quick make and quick break 4 POLE current limiting MCCB having following current rating, short circuit breaking capacity at 440/415 V, 50 Hz; O/L & S/C settings and conforming to IS 60947-2 / IEC 60947-2 with front face and centralised adjustable, line load interchangeability, having positive isolation capability, provision for UVR , shunt trip ,earth fault trip, push ( test ) to trip , including making connections with lugs & spreaders, etc. as required. With Thermal Magnetic based Release, up to 100 Amp , 25 kA, adjustable O/L & fixed S/C setting, Ics = 100 % Icu	19.00	Each
170	P&F 240/415 V MCB of breaking capacity not less than 10 KA (D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required .		
171	Four pole MCB,40 A to 63 A rating	19.00	Each
172	Double pole MCB,6 A to 32 A rating	37.00	Each
173	S & F of (0-500 ) Volts Range Voltmeter on existing panel, making connections by PVC insulated copper conductor with PVC sleeves / Channel etc. as required, Digital type	19.00	Each
174	S & F of CT operated Direct Reading type Ampere meter on existing panel, making connections by PVC insulated copper conductor with PVC sleeves / Channel etc. as required, Digital type, Above 500 A	19.00	Each
175	SF of 240/220 V, LED (22.5 mm dia ) Pilot lamp with integral circuit, terminal block, including connection etc. as required.		
176	Red/yellow/Green colour	55.00	Each
177	Blue colour	19.00	Each
178	SF of Current Transformer , with all necessary support in existing panel including connection etc. as required .		
179	up to 150 / 5 Ratio , 5 VA , class 1 accuracy	55.00	Each
180	S & F Selector Switch for Voltmeter (4 Position) including Making Connection Etc. as required	19.00	Each
181	S & F of CT linked Selector Switch of 10 A for Ampere meter (4 Position) including Making Connection Etc. as required	19.00	Each
182	P/Laying XLPE/ P.V.C. insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:7098 -I /IS:1554 P-I of Group2 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, 11nd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. for Item 183, 184, 185, 186		
183	4.0 Sq.mm,2.0 Core UnArmoured	729.00	Mtr.
184	10.0 Sq.mm,4.0 Core UnArmoured	911.00	Mtr.
185	16.0 Sq.mm,4.0 Core UnArmoured	486.00	Mtr.
186	35.0 Sq.mm,3.5 Core Armoured	486.00	Mtr.
187	Supplying and making one end termination with heavy duty single compression brass gland SIBG type, aluminium lugs duly crimped with crimping tool, PVC tape etc for		

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	following size of Armoured PVC insulated & PVC sheathed/ XLPE aluminium conductor cable of 1100 volt grade as required of size.		
188	2 x 4.0 sq.mm	73.00	SET
189	3.5 x 35.0 sq.mm	37.00	SET
190	4 x 10.0 sq.mm	73.00	SET
191	4 x 16.0 sq.mm	73.00	SET
192	P & F lightning conductor finial made out of 25 mm dia., 300 mm long G.I. tube having single prong at top with 85 mm dia., 3 m thick G.I. base plate including holes etc. complete as required.	16.00	EACH
193	Rivetting, sweating and soldering of copper /G.I. Tape with another copper /G.I. Tape, base of the finial or any other metallic objects as required.	31.00	EACH
194	P & F G.I. tape 20mm x 3 mm on parapet or surface of wall in vertical/horizontal run as required.	911.00	Mtr.
195	P & F testing joint, made out of 20mm x 3mm G.I. Strip, 125 mm long, with 4 no.G.I. bolts, nuts, checknuts, spring washer etc. complete as required.	37.00	EACH
196	Supply & Installation of Surface/ recess Mounted Low Glare LED Luminaire Utilize a one piece housing, security lens and temper resistant fasteners to maximize impact resistance. LED luminaire encompasses high efficiency high efficieny square shaped thermo formed PMMA low glare diffuser mounted on serrated aluminum frame . suitable for 600 x600mm Luminous Flux(luminaire) 3531lm, Luminious Flux (lamp) 3531 lm, Wattage- 38 Wattage, Used in size 600 x600mm	183.00	Nos
197	Supply & Installation of IP20 LED Surface/ recess Mounted, Sqaure Non-Dimmable Downlight with die-cast aluminum housing & Heat Sink for heat dissipation, high purity reflector with external driver having efficiency > 85% and in compliance 10W / 15W / 18W with ~ 500 / 750 / 1100 / 1250 lumens, System Lumen efficacy of 70 lm / watt output suitable to replace 1x22W, 1 X15W CFL Downlights, life time of 50000 Burning Hours with 70% of intial Lumen maintained. CCT 3000°K , 4000°K & 6000°K. Fixture shall be CE compliance.	183.00	Nos
198	"Supply & Installation of recess Round LED Ceiling light: - High performance LED downlighter with high system efficacy for good quality and uniform lighting. Conforms to general lighting norms for office and other indoor applications. a) Temperature- 3000 K to 6500K b) CRI >70 c) Power Consumption 24W d) Aesthetically designed enclosures e) Highly efficient constant current LED drivers For more details please refer specification sheet. "	486.00	Nos
199	Supply & Installation of Cove Light for designer Ceiling: - It will be a continuous rail of LED light, high brightness , neutral, or warm white with wall washing applications. Its slim profile and simple daisy-chain system allows high design flexibility to form long. Light source: LED Lumen output: 840 lm/Mtr. Light color: 3000K/6000K Power consumption: 9.8 W/Mtr. Voltage: 12V AC 50Hz	1635.00	R. Ft.

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	Optics: Sand-blasted matt finish reflector Color: White as per approval by engineer incharge. Lifetime: 40000 burning hrs. (At L70) For more details please refer specification sheet.		
200	<b>Furniture Schedule</b>		
201	Supply & Installation of Meeting Table 1. Table Top: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 2. Leg: made up of MS Powder Coated Finish.(75x25mm) 3. Understructure Pipe: made up of MS Powder Coated Finish. (40X40mm) 4. Accessories: Flap & Cable Riser As per the detail sizes given below for Item 202, 203, 204, 205, 206 . For more details please refer Technical specification enclosed in rfp		
202	Supply & Installation of Meeting Table (6 Person) Approx. Dimensions: 1500(W) X 750(D) X 750(H)	3.00	Nos.
203	Supply & Installation of Meeting Table (6 Person) Approx. Dimensions: 1500(W) X 900(D) X 750(H)	4.00	Nos.
204	Supply & Installation of Meeting Table (6 Person) Approx. Dimensions: 1800(W) X 900(D) X 750(H)	3.00	Nos.
205	Supply & Installation of Meeting Table (7 Person) Approx. Dimensions: 2000(W) X 900(D) X 750(H)	3.00	Nos.
206	Supply & Installation of Meeting Table (8 Person) Approx. Dimensions: 1800(W) X 1200(D) X 750(H)	3.00	Nos.
207	Supply & Installation of Meeting Table 1. Table Top: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 2. Leg: made up of MS Powder Coated Finish.(75x25mm) 3. Understructure Pipe: made up of MS Powder Coated Finish. (40X40mm) 4. Cable Riser & Cable Tray: made up of MS Powder Coated Finish. 5. Accessories: Flap As per the detail sizes given below for Item 208, 209. For more details please refer Technical specification enclosed in rfp		
208	Supply & Installation of Meeting Table (10 Person) Approx. Dimensions: 2400(W) X 1200(D) X 750(H) For more details please refer Technical specification enclosed in rfp	2.00	Nos.
209	Supply & Installation of Meeting Table (12 Person) Approx. Dimensions: 2700(W) X 900(D) X 750(H)	2.00	Nos.
210	Supply & Installation of Manager Table 1. Table Top: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 2. Leg: made up of MS Powder Coated Finish.(75x25mm)		

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	3. Understructure Pipe: made up of MS Powder Coated Finish. (40X40mm) 4. Modesty Panel: made up of MS Powder Coated Finish. 5. Side Runner and Back Runner: made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 6. Accessories: Flap.  As per the detail sizes given below for Item 211, 212, 213 . For more details please refer Technical specification enclosed in rfp		
211	Supply & Installation of Manager Table Approx. Dimensions: Table Top : 1500(W) X 750(D) X 750(H) Side Storage : 900(W) X 450(D) X 750(H) Back Storage : Not Required	13.00	Nos.
212	Supply & Installation of Manager Table Approx. Dimensions: Table Top : 1500(W) X 750(D) X 750(H) Side Storage : 900(W) X 450(D) X 750(H) Side Storage : 1500(W) X 450(D) X 750(H)	3.00	Nos.
213	Supply & Installation of Manager Table Approx. Dimensions: Table Top ; 1800(W) X 750(D) X 750(H) Side Storage : 900(W) X 450(D) X 750(H) Back Storage : Not Required	5.00	Nos.
214	Supply & Installation of Computer Table 1. Table Top: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 2. Gable End: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 3. Modesty Panel: made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 4. Accessories: Cable Manager for Item 215, 216, 217 For more details please refer Technical specification enclosed in rfp		
215	Supply & Installation of Computer Table Approx. Dimensions:750(W) X 600(D) X 750(H)	36.00	Nos.
216	Supply & Installation of Computer Table Approx. Dimensions:1050(W) X 600(D) X 750(H) For more details please refer Technical specification enclosed in rfp	2.00	Nos.
217	Supply & Installation of Computer Table Approx. Dimensions: 1500(W1) X 1500(W2) X 600(D) X 750(H)	3.00	Nos.
218	Supply & Installation of White Marker Board For more details please refer Technical specification enclosed in rfp	20.00	Nos.
219	Supply & Installation of Round Table 1. Table Top: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 2. Leg: made up of MS Powder Coated Finish. Approx. Dimensions:1000(Dia) X 750(H)		

Sl. No.	Item Description	Quantity	Units
1	2	3	4
	As per the detail sizes given below for Item 220, 221 . For more details please refer Technical specification enclosed in rfp		
220	Supply & Installation of Round Table Approx. Dimensions:1000(Dia) X 750(H)	7.00	Nos.
221	Supply & Installation of Round Table Approx. Dimensions:750(Dia) X 750(H) For more details please refer Technical specification enclosed in rfp	3.00	Nos.
222	Supply & Installation of Storage: 1. Top: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 2. Sides, Shutter: and Shelves made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. As per the detail sizes given below for item 223, 224. For more details please refer Technical specification enclosed in rfp		
223	Supply & Installation of Storage: Approx. Dimensions: 900(W) X 450(D) X 1200(H)	44.00	Nos.
224	Supply & Installation of Storage: Approx. Dimensions: 750(W) X 450(D) X 1200(H)	26.00	Nos.
225	Supply & Installation of Overhead Storage having depth of 450mm : 1. Table Top: made up of 25mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 2. Sides, Shutter & Shelves made up of 18mm thick Prelaminated Particle Board with 2mm thick PVC edge banding tape. 3. Hardware to fix the storage to the wall. For more details please refer Technical specification enclosed in rfp	3795.00	Sqft
226	Supply & Installation of Office Chair: 1. Medium Back Chair 2. PP Arm 3. Nylon Base 4. Gas Lift 5. Seat Back Net Tapestry For more details please refer Technical specification enclosed in rfp	268.00	Nos.



**ANNEXURE-3: PREFERRED MAKE**

*Note: All the specifications below are minimum specifications and higher specifications shall be used wherever necessary/ required. Deviation on higher side shall only be considered and no extra weightage shall be awarded for such deviations.*

LIST OF PREFERRED MAKE		
S.No	Name of Material	Preferred Make
1	Bricks	Good Quality Locally Available Material Approved By Engineer In Charge
2	Grey Cement (43 Or 53 Grade)	Ultratech, Ambuja, Lafarge, Wonder
3	White Cement	Birla White
4	Reinforcement Steel / Steel Structural	Jindal, Tata, Sail
5	Tile	KAJARIA, RAK, NITCO, JHONSON
6	Pressed Steel Frame	As Approved By Engineer In Charge
7	Plywood – Bwr, Termite Resistant And Borer Proof	Green, Century, Kitply
8	Laminate	GREENLAM, MERINO, ROYALE TOUCHE
9	Hardware INCLUDING DOOR CLOSER	EARL BIHARI (EBCO), DORMA, OZONE, DOORSET
10	Screws	NETTLEFOLD, GKW
11	Adhesives	FEVICOL, ARLDITE
12	Plastic Emulsion Paint	Asian, Nerolac, Dulux, Berger
13	Dry Distemper	Berger, Asian
14	Texture Paint	Berger, Asian
15	Waterproof Cement Paint	Snocem India, Nerolac, Nitcocem
16	Floor Spring	Dorma, Ozone, Ebco, Dorset
17	Glass	MODI FLOAT, SAINT GOBIN, ASAHI
18	Glass Film	3m
19	Verticals Blinds	Vista/Marvel
20	Ready Mix Concrete	As Approved By Engineer In Charge As Per Availability Meeting Specifications
21	Teak Wood	As Approved By Engineer In Charge Preferably Mp Teak
22	Upvc Window	Fenesta, Prizama, Cora, Duroplast
23	Water Proofing Compound	Dr.Fixit
24	Flush Door Shutters	Century, Green, Durian, Dormak
25	Locks / Patch / Fittings	Godrej, Harrison, Dorma
26	Conduit	AKG, BEC, Precision, Polycab,
27	Wires	Rr Kabel , National, Finolex , L & T , Poly Cab,Rhino
28	Boxes	Wago, Hensel, Elmax, Dirak, Phoenix , Gewiss, Trinity Touch, Connectwell, Spelsberg
29	Distribution Boards	Schneider ( Acti 9 ), L&T, Legrand (Ekinox / Lexic), Abb (Sh200m)
30	Electrical Accessories	Mk ( Wrap Around ), Legrand ( Myrius ), Abb ( Classic Luminia ), C&S, Anchor ( Wood ),Schneider ( Opale ), L&T ( Oris ), Philips, Havell's ( Crabtree )
31	Moulded Case Circuit Breaker	Abb, Siemens, Ge, L&T, Schneider, Legrand, C&S, Hpl,Indoasian, Bch
32	Lt And Ht Cables	Gloster ,Cci, Finolex, Polycab , Kei , Havells , Rpg,



LIST OF PREFERRED MAKE		
S.No	Name of Material	Preferred Make
		Rhino
33	Single Compression Brass Gland Sibg Type	Gripwel, Comet, Metalcraft, Cabend, Trinity Touch, Hmi
34	Aluminium / Copper Lugs/ Bimetallic Lugs	Jainsons, Dowell's, Elcon, Metalcraft, Cabend, Trinity Touch
35	Gel Earthing With Pipe In Strip Technology	Jmv, Earth Soul, Rk, Sh, Ues, Reil, True Power, Erico
36	Early Streamer Emission Type Lightning Arrester	Lpi (Australia), Lpsfr (France), Sudafix (UK), Ef (Switzerland)
37	Ceiling Fans ,Fresh Air Fans ,Heavy Duty Exhaust Fans ,Ventilating Fans ,Wall Mounting / Pedestal Fans	Almonard, Cg, Alstom, Khaitan, Bajaj, Usha, Remi, Epc,Polar
38	Storage Water Heater	Spherehot, Racold, Venus, Bajaj
39	Indoor And Outdoor Lighting Fixtures	Philiphs, Wipro
40	Utp Cat 6 Cables	Amp, Avaya, Molex, Penduit, Dax Rrkabel, Finolex, Schneider, Legrand
41	Information Outlets / Patch Cords / Face Plates / Patch Panels / Optical Fibre Cable / Fibre Pigtailes	Amp, Avaya, Molex, Penduit, Dax Rrkabel, Finolex, Schneider, Legrand
42	Exterior Zig Zag Paver Block	Dalal Tiles, Unistone, Modern, Unique Tiles
43	Lattice Multi Layered Metal Concept Paneling :-	Hunter Douglas, Armstrong, Pyrotech Workspace Solutions
44	Acoustic Metal Partition:-	Hunter Douglas, Armstrong, Pyrotech Workspace Solutions
45	Acoustic Metal Paneling :-	Hunter Douglas, Armstrong, Pyrotech Workspace Solutions
46	Glass Partition Material:- (12 Mm Thick Toughened Glass)	Glass Make: Ais Glass, Hard Glass, Ridhi Sidhi, Fittings: Dorma, Ozone, Inox, Doorset Silicon Glue: 995 Dowcorning, 789 Wacker
47	12mm Thick Frameless Tempered Clear Glass Door :-	Make: AIS Glass, Hard Glass, Ridhi Sidhi, Fittings: Dorma, Ozone, Inox, Doorset Silicon Glue: 995 Dowcorning, 789 Wacker
48	Designer Metal Door (With Glass Vision Panel) Covered With Preformed Textured Rigid Pvc Coated Gi Sheet:-	Make: Door Leaf And Structure: Shaktimet, Pacific Doors, Pyrotech Workspace Solutions. Make: Ais Glass, Hard Glass, Ridhi Sidhi, Fittings: Dorma, Ozone, Inox, Doorset
49	Designer Acoustic Metal False Ceiling With Linear Planks :-	Hunter Douglas, Armstrong, Pyrotech Workspace Solutions
50	Grid Type 2' X 2' Ceiling :-	Hunter Douglas, Armstrong, Pyrotech Workspace Solutions
51	Calcium Silicate Board Ceiling Material:-	Ramco Hilux, Aerolite, Hocre Boards, Supalux
52	Led Ceiling Light	Philips, Wipro, Osram
53	Exterior Paint	Asian Paints, Nerolac, Berger
54	Wall Putty: -	Birla, Jk
55	Antistatic Flooring Material Of Laminate Flooring Systems	Forbo Flooring System, Tarkett
56	Vitrified Flooring :-	Rak, Hr Jhonson, Kajaria
57	Fixed Window With Aluminum Frame :-	Jindal, Hindalco, Nalco

LIST OF PREFERRED MAKE		
S.No	Name of Material	Preferred Make
58	Venetian / Roller Blinds For Windows	Vista Or Equivalent
59	Signage On Doors Entry And Exit	Pyrotech Workspace Solutions, Herman Miller, Godrej & Boyce Mfg. Co Ltd., Bp Ergo Ltd
60	Designer Privacy Film For Glass Partition And Glass Door	Garware Sun Control, 3m
61	Split Air Conditioner	Daikin, O-General, Hitachi, Mitsubishi
62	Ceiling Fan	Khaitan, Bajaj, Usha, Cg
63	Exhaust Fan	Khaitan, Bajaj, Usha, Cg
64	Office Furniture	Pyrotech Workspace Solutions, Herman Miller, Godrej & Boyce Mfg. Co Ltd., Bp Ergo Ltd
65	Office Chair: 1. Medium Back Chair 2. Pp Arm 3. Nylon Base 4. Gas Lift 5. Seat Back Net Tapestry	Geeken, Merryfair, Haworth, Herman Miller, Godrej & Boyce Mfg. Co Ltd., Bp Ergo Ltd
66	Any Other Item S	As Approved By Engineer In Charge , Dy Gm Risl Or Higher

**Note:** In case of Disputes as Agreed by Engineer-in-Charge in recommendations of Technical Committee.

**ANNEXURE-4: BIDDER'S AUTHORIZATION CERTIFICATE**

{To be filled by the bidder}

To,

The Managing Director,  
RajCOMP Info Services Limited (RISL),  
First Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur-302005 (Raj).

I/ We {Name/ Designation} hereby declare/ certify that {Name/ Designation} is hereby authorized to sign relevant documents on behalf of the company/ firm in dealing with NIB reference No. \_\_\_\_\_ dated \_\_\_\_\_. He/ She is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,

Name of the Bidder: -  
Authorised Signatory: -  
Seal of the Organization: -  
Date: \_\_\_\_\_  
Place: \_\_\_\_\_

Verified Signature:

**ANNEXURE-5: SELF-DECLARATION**

**{To be filled by the bidder}**

To,

The Managing Director,  
RajCOMP Info Services Limited (RISL),  
First Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur-302005 (Raj).

In response to the NIB Ref. No. \_\_\_\_\_ dated \_\_\_\_\_ for {Project Title}, as an Owner/ Partner/ Director/ Auth. Sign. of \_\_\_\_\_, I/ We hereby declare that presently our Company/ firm \_\_\_\_\_, at the time of bidding, :-

- a) possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
- b) have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
- c) is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central government/ PSU/ UT.
- d) does not have any previous transgressions with any entity in India or any other country during the last three years
- e) does not have any debarment by any other procuring entity
- f) is not insolvent in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and is not the subject of legal proceedings for any of the foregoing reasons;
- g) does not have, and our directors and officers not have been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
- h) does not have a conflict of interest as mentioned in the bidding document which materially affects the fair competition.
- i) will comply with the code of integrity as specified in the bidding document.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken as per the provisions of the applicable Act and Rules thereto prescribed by GoR, my/ our security may be forfeited in full and our bid, to the extent accepted, may be cancelled.

Thanking you,

Name of the Bidder: -  
Authorised Signatory: -  
Seal of the Organization: -  
Date: \_\_\_\_\_  
Place: \_\_\_\_\_



**ANNEXURE-6: FINANCIAL BID COVER LETTER & FORMAT**

COVER LETTER {to be submitted by the bidder on his Letter head}

To,

The Managing Director,  
RajCOMP Info Services Limited (RISL),  
First Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur-302005 (Raj).

Reference: NIB No. : \_\_\_\_\_ Dated: \_\_\_\_\_

Dear Sir,

We, the undersigned bidder, Having read & examined in detail, the Bidding Document, the receipt of which is hereby duly acknowledged, I/ we, the undersigned, offer to supply/ work as mentioned in the Scope of the work, Bill of Material, Technical specifications, Service Level Standards & in conformity with the said bidding document for the same.

I / We undertake that the prices are in conformity with the specifications prescribed. The quote/ price are inclusive of all cost likely to be incurred for executing this work. The prices are inclusive of all type of govt. taxes/duties as mentioned in the financial bid (BoQ).

I / We undertake, if our bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the schedule of Requirements.

I/ We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee as prescribed in the bidding document.

I / We agree to abide by this bid for a period of \_\_\_\_\_ days after the last date fixed for bid submission and it shall remain binding upon us and may be accepted at any time before the expiry of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.

I/ We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.

We understand that you are not bound to accept the lowest or any bid you may receive.

We agree to all the terms & conditions as mentioned in the bidding document and submit that we have not submitted any deviations in this regard.

Date:

Authorized Signatory

Name:

Designation:



**RFP for Civil Construction Work for Command and Control Center under surveillance  
and incident response project at various District Headquarters of Rajasthan**

**Financial Bid Format**

**{to be submitted by the bidder only in BoQ format (.XLS) available at e-Procurement portal}**

Note: This is an Financial bid format of BoQ. The BoQ available at e-procurement portal shall be considered as final.

Sl. No.	Item Description	Quantity	Units	Unit Price	GST In  Rs. P	Unit Rate With GST in RS	Unit Rate With GST in RS	TOTAL AMOUNT In Words
1	2	3	4	5	6	7=5+6	8=7x3	9

**ANNEXURE-7: BANK GUARANTEE FORMAT**

{To be submitted by the bidder's bank}

**BANK GUARANTEE FORMAT – BID SECURITY**

(To be stamped in accordance with Stamp Act and to be issued by a Nationalised/ Scheduled bank having its branch at Jaipur and payable at par at Jaipur, Rajasthan)

To,

The Managing Director,  
RajCOMP Info Services Limited (RISL),  
First Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur-302005 (Raj).

Sir,

1. In accordance with your Notice Inviting Bid for <please specify the project title> vide NIB reference no. <please specify> M/s. .... (Name & full address of the firm) (Hereinafter called the “Bidder”) hereby submits the Bank Guarantee to participate in the said procurement/ bidding process as mentioned in the bidding document.

It is a condition in the bidding documents that the Bidder has to deposit Bid Security amounting to <Rs. \_\_\_\_\_ (Rupees <in words>)> in respect to the NIB Ref. No. \_\_\_\_\_ dated \_\_\_\_\_ issued by RISL, First Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur, Rajasthan (hereinafter referred to as “RISL”) by a Bank Guarantee from a Nationalised Bank/ Scheduled Commercial Bank having its branch at Jaipur irrevocable and operative till the bid validity date (i.e. <please specify> days from the date of submission of bid). It may be extended if required in concurrence with the bid validity.

And whereas the Bidder desires to furnish a Bank Guarantee for a sum of <Rs. \_\_\_\_\_ (Rupees <in words>)> to the RISL as earnest money deposit.

2. Now, therefore, we the ..... (Bank), a body corporate constituted under the Banking Companies (Acquisition and Transfer of Undertaking) Act. 1969 (delete, if not applicable) and branch Office at..... (Hereinafter referred to as the Guarantor) do hereby undertake and agree to pay forthwith on demand in writing by the RISL of the said guaranteed amount without any demur, reservation or recourse.
3. We, the aforesaid bank, further agree that the RISL shall be the sole judge of and as to whether the Bidder has committed any breach or breaches of any of the terms costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the RISL on account thereof to the extent of the Earnest Money required to be deposited by the Bidder in respect of the said bidding document and the decision of the RISL that the Bidder has committed such breach or breaches and as to the amount or amounts of loss, damage, costs, charges and expenses caused to or suffered by or that may be caused to or suffered by the RISL shall be final and binding on us.
4. We, the said Bank further agree that the Guarantee herein contained shall remain in full force and effect until it is released by the RISL and it is further declared that it shall not be necessary for the RISL to proceed against



the Bidder before proceeding against the Bank and the Guarantee herein contained shall be invoked against the Bank, notwithstanding any security which the RISL may have obtained or shall be obtained from the Bidder at any time when proceedings are taken against the Bank for whatever amount that may be outstanding or unrealized under the Guarantee.

5. Any notice by way of demand or otherwise hereunder may be sent by special courier, telex, fax, registered post or other electronic media to our address, as aforesaid and if sent by post, it shall be deemed to have been given to us after the expiry of 48 hours when the same has been posted.
6. If it is necessary to extend this guarantee on account of any reason whatsoever, we undertake to extend the period of this guarantee on the request of our constituent under intimation to you.
7. The right of the RISL to recover the said amount of <Rs. \_\_\_\_\_ (Rupees <in words>)> from us in manner aforesaid will not be precluded/ affected, even if, disputes have been raised by the said M/s. ....(Bidder) and/ or dispute or disputes are pending before any court, authority, officer, tribunal, arbitrator(s) etc..
8. Notwithstanding anything stated above, our liability under this guarantee shall be restricted to <Rs. \_\_\_\_\_ (Rupees <in words>)> and our guarantee shall remain in force till bid validity period i.e. <please specify> days from the last date of bid submission and unless a demand or claim under the guarantee is made on us in writing within three months after the Bid validity date, all your rights under the guarantee shall be forfeited and we shall be relieved and discharged from all liability thereunder.
9. This guarantee shall be governed by and construed in accordance with the Indian Laws and we hereby submit to the exclusive jurisdiction of courts of Justice in India for the purpose of any suit or action or other proceedings arising out of this guarantee or the subject matter hereof brought by you may not be enforced in or by such court.
10. We hereby confirm that we have the power/s to issue this Guarantee in your favor under the Memorandum and Articles of Association/ Constitution of our bank and the undersigned is/are the recipient of authority by express delegation of power/s and has/have full power/s to execute this guarantee under the Power of Attorney issued by the bank in your favour.

Date ..... (Signature) .....  
Place ..... (Printed Name) .....  
(Designation) .....  
(Bank's common seal) .....

In presence of:

WTTNESS (with full name, designation, address & official seal, if any)

(1) .....

.....

(2) .....

.....

**Bank Details**

Name & address of Bank:

Name of contact person of Bank:

Contact telephone number:

**GUIDELINES FOR SUBMISSION OF BANK GUARANTEE**

The Bank Guarantee shall fulfil the following conditions in the absence of which they cannot be considered valid: -

1. Bank Guarantee shall be executed on non- judicial stamp paper of applicable value purchased in the name of the bank.
2. Two persons should sign as witnesses mentioning their full name, designation, address and office seal (if any).
3. The Executor (Bank Authorities) may mention the power of attorney No. and date of execution in his/ her favour authorizing him/ her to sign the document. The Power of Attorney to be witnessed by two persons mentioning their full name and address.
4. The Bank Guarantee should be executed by a Nationalised Bank/ Scheduled Commercial Bank only.
5. Non – Judicial stamp paper shall be used within 6 months from the date of Purchase of the same. Bank Guarantee executed on the non-judicial stamp paper after 6 (six) months of the purchase of such stamp paper shall be treated as non-valid.
6. The contents of Bank Guarantee shall be strictly as per format prescribed by RISL
7. Each page of Bank Guarantee shall bear signature and seal of the Bank and B.G. number.
8. All corrections, deletions etc. in the Bank Guarantee should be authenticated by signature of Bank Officials signing the Bank Guarantee.
9. Bank should separately send through registered post/courier a certified copy of Bank Guarantee, mentioning Bid reference, Bid title and bidder name, directly to the Purchaser at the following address:

**BANK GUARANTEE FORMAT – PERFORMANCE SECURITY (PBG)**

(To be stamped in accordance with Stamp Act and on a Stamp Paper purchased from Rajasthan State only and to be issued by a Nationalised/ Scheduled bank having its branch at Jaipur and payable at par at Jaipur, Rajasthan)

To,  
The Managing Director,  
RajCOMP Info Services Limited (RISL),  
First Floor, Yojana Bhawan, C-Block, Tilak Marg, C-Scheme, Jaipur-302005 (Raj).

1. In consideration of the RajCOMP Info Services Limited (hereinafter called "RISL") having agreed to exempt M/s .....(hereinafter called "the said Contractor(s)" from the demand, under the terms and conditions of an Agreement No.....dated .....made between the RISL through ..... and .....(Contractor) for the work .....(hereinafter called "the said Agreement") of Security Deposit for the due fulfilment by the said Contractor (s) of the terms and conditions contained in the said Agreement, on production of a Bank Guarantee for Rs.....(rupees .....only), we .....(indicate the name of the Bank), (hereinafter referred to as "the Bank") at the request of .....Contractor(s) do hereby undertake to pay to the RISL an amount not exceeding Rs.....(Rupees.....only) on demand.
2. We..... (Indicate the name of Bank), do hereby undertake to pay Rs..... (Rupees.....only), the amounts due and payable under this guarantee without any demur or delay, merely on a demand from the RISL. Any such demand made on the bank by the RISL shall be conclusive as regards the amount due and payable by the Bank under this guarantee. The Bank Guarantee shall be completely at the disposal of the RISL and We..... (Indicate the name of Bank), bound ourselves with all directions given by RISL regarding this Bank Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs..... (Rupees.....only).
3. We.....(indicate the name of Bank), undertake to pay to the RISL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal or Arbitrator etc. relating thereto, our liability under these presents being absolute, unequivocal and unconditional.
4. We.....(indicate the name of Bank) further agree that the performance guarantee herein contained shall remain in full force and effective up to <DATE> and that it shall continue to be enforceable for above specified period till all the dues of RISL under or by virtue of the said Agreement have been fully paid and its claims satisfied or discharged or till the RISL certifies that the terms and conditions of the said Agreement have been fully and properly carried out by the said Contractor(s) and accordingly discharges this guarantee.
5. We .....(indicate the name of Bank) further agree with the RISL that the RISL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Agreement or to extend time of performance by the said Contractor(s) from time to time or to postpone for any time or from time to time any of the powers exercisable by the RISL against the said Contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said Contractor(s) or for any forbearance, act or omission on the part of the RISL or any indulgence by the RISL to the said Contractor(s) or by any such matter or thing whatsoever which would but for this provision, have effect of so relieving us.
6. The liability of us ..... (indicate the name of Bank), under this guarantee will not be discharged due to the change in the constitution of the Bank or the contractor(s).

7. We ..... (indicate the name of Bank), lastly undertake not to revoke this guarantee except with the previous consent of the RISL in writing.
8. This performance Guarantee shall remain valid and in full effect, until it is decided to be discharged by the RISL. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs..... (Rupees.....only).
9. It shall not be necessary for the RISL to proceed against the contractor before proceeding against the Bank and the guarantee herein contained shall be enforceable against the Bank notwithstanding any security which the RISL may have obtained or obtain from the contractor.
10. We ..... (indicate the name of Bank) verify that we have a branch at Jaipur. We undertake that this Bank Guarantee shall be payable at any of its branch at Jaipur. If the last day of expiry of Bank Guarantee happens to be a holiday of the Bank, the Bank Guarantee shall expire on the close of the next working day.
11. We hereby confirm that we have the power(s) to issue this guarantee in your favor under the memorandum and articles of Association/constitution of our bank and the undersigned is/are the recipient of authority by express delegation of power(s) and has/have full power(s) to execute this guarantee for the power of attorney issued by the bank.

Dated.....day of.....For and on behalf of the <Bank> (indicate the Bank)

Signature

(Name & Designation)

Bank's Seal

The above performance Guarantee is accepted by the RISL  
For and on behalf of the RISL

Signature

(Name & Designation)

**ANNEXURE-8: DRAFT AGREEMENT FORMAT**

**{To be mutually signed by selected bidder and procuring entity}**

This Contract is made and entered into on this \_\_\_\_\_ day of \_\_\_\_\_, 2017 by and between RajCOMP Info Services Limited (RISL), having its head office at First Floor, Yojana Bhawan, Tilak Marg, C-Scheme, Jaipur-302005, Rajasthan (herein after referred to as Purchaser/ RISL) which term or expression, unless excluded by or repugnant to the subject or context, shall include his successors in office and assignees on ONE PART

And  
M/s \_\_\_\_\_, a company registered under the Indian Companies Act, 1956 with its registered office at \_\_\_\_\_ (herein after referred as the "Successful Bidder/ Supplier") which term or expression, unless excluded by or repugnant to the subject or context, shall include his successors in office and assignees on the OTHER PART.

Whereas,  
Purchaser is desirous of appointing an agency for <project title> as per the Scope of Work and Terms and Conditions as set forth in the RFP document dated \_\_\_\_\_ of <NIB No \_\_\_\_\_>.

And whereas  
M/s \_\_\_\_\_ represents that it has the necessary experience for carrying out the overall work as referred to herein and has submitted a bid and subsequent clarifications for providing the required services against said NIB and RFP document issued in this regard, in accordance with the terms and conditions set forth herein and any other reasonable requirements of the Purchaser from time to time.

And whereas  
Purchaser has accepted the bid of supplier and has placed the Work Order vide Letter No. \_\_\_\_\_ dated \_\_\_\_\_, on which supplier has given their acceptance vide their Letter No. \_\_\_\_\_ dated \_\_\_\_\_.

And whereas  
The supplier has deposited a sum of Rs. \_\_\_\_\_/- (Rupees \_\_\_\_\_) in the form of \_\_\_\_\_ ref no. \_\_\_\_\_ dated \_\_\_\_\_ of \_\_\_\_\_ Bank and valid up to \_\_\_\_\_ as security deposit for the due performance of the contract.

Now it is hereby agreed to by and between both the parties as under: -

1. The NIB Ref. No. \_\_\_\_\_ dated \_\_\_\_\_ and RFP document dated \_\_\_\_\_ issued by RISL along with its enclosures/ annexures, wherever applicable, are deemed to be taken as part of this contract and are binding on both the parties executing this contract.
2. In consideration of the payment to be made by RISL to supplier at the rates set forth in the work order no. \_\_\_\_\_ dated \_\_\_\_\_ will duly supply the said articles set forth in "Annexure-I: Bill of Material" thereof and provide related services in the manner set forth in the RFP, along with its enclosures/ annexures and Technical Bid along with subsequent clarifications submitted by supplier.
3. The RISL do hereby agree that if supplier shall duly supply the said articles and provide related services in the manner aforesaid observe and keep the said terms and conditions of the RFP and Contract, the RISL will pay or

cause to be paid to supplier, at the time and the manner set forth in the said conditions of the RFP, the amount payable for each and every project milestone & deliverable. The mode of Payment will be as specified in the RFP document.

4. The timelines for the prescribed Scope of Work, requirement of services and deployment of technical resources shall be effected from the date of work order i.e. \_\_\_\_\_ and completed by supplier within the period as specified in the RFP document.
5. In case of extension in the delivery and/ or installation period/ completion period with liquidated damages, the recovery shall be made on the basis of following percentages of value of stores/ works which supplier has failed to supply/ install/ complete: -

a) Delay up to one fourth period of the prescribed delivery period, successful installation & completion of work	2.5%
b) Delay exceeding one fourth but not exceeding half of the prescribed delivery period, successful installation & completion of work.	5.0%
c) Delay exceeding half but not exceeding three fourth of the prescribed delivery period, successful installation & completion of work.	7.5%
d) Delay exceeding three fourth of the prescribed delivery period, successful installation & completion of work.	10.0%

Note:

- i. Fraction of a day in reckoning period of delay in supplies/ maintenance services shall be eliminated if it is less than half a day.
  - ii. The maximum amount of agreed liquidated damages shall be 10%.
  - iii. If supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrances, he shall apply in writing to the authority which had placed the work order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.
  - iv. Delivery period may be extended with or without liquidated damages if the delay in the supply of goods in on account of hindrances beyond the control of supplier.
6. All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided as per the procedure mentioned in the RFP document.

In witness whereof the parties have caused this contract to be executed by their Authorized Signatories on this \_\_\_\_\_ day of \_\_\_\_\_, 2017.

Signed By:	Signed By:
( ) Designation:, Company:	Managing Director, RISL
In the presence of:	In the presence of:



**RFP for Civil Construction Work for Command and Control Center under surveillance and incident response project at various District Headquarters of Rajasthan**

( ) Designation: Company:	( ) Designation: Department of IT&C, Govt. of Rajasthan
( ) Designation: Company:	( ) Designation: Department of IT&C, Govt. of Rajasthan



**ANNEXURE-9: FORMAT FOR SUBMISSION OF PROJECT REFERENCES FOR PRE-QUALIFICATION EXPERIENCE**

S. No.	Description
1	Project Name:
2	Value of Contract/Work Order (In INR):
3	Country:
4	Location within country:
5	Project Duration:
6	Name of Customer:
7	Total No. of staff-months of the assignment:
8	Contact person with address, phone, fax and e-mail:
9	Start date (month/year):
	Completion date (month/year):
10	Start date (month/year):
	Completion date (month/year):

Please attach a copy of the work order/ completion certificate/ purchase order/ letter from the customer for each project reference



**ANNEXURE-10: MEMORANDUM OF APPEAL UNDER THE RTPP ACT, 2012**

Appeal No .....of .....

Before the ..... (First/ Second Appellate Authority)

1. Particulars of appellant:
  - a. Name of the appellant: <please specify>
  - b. Official address, if any: <please specify>
  - c. Residential address: <please specify>
2. Name and address of the respondent(s):
  - a. <please specify>
  - b. <please specify>
  - c. <please specify>
3. Number and date of the order appealed against and name and designation of the officer/ authority who passed the order (enclose copy), or a statement of a decision, action or omission of the procuring entity in contravention to the provisions of the Act by which the appellant is aggrieved: <please specify>
4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative: <please specify>
5. Number of affidavits and documents enclosed with the appeal: <please specify>
6. Grounds of appeal (supported by an affidavit): <please specify>
7. Prayer: <please specify>

Place .....

Date .....

Appellant's Signature

**ANNEXURE-11: TECHNICAL BID COVER LETTER**

{Duly sealed and signed On Bidder's Letter head}

**Addressed to :**

a.	Name of the tendering authority	<b>Managing Director, RajComp Info Services Ltd.</b>
b.	Address	<b>I floor, Yojana Bhawan, Tilak Marg, Jaipur (Rajasthan) – 302005</b>
c.	Telephone	<b>0141-5103902</b>
	TeleFax	<b>0141-2224855</b>

**I. NIT Reference:**

**II.**

1.	Name of Bidder			
2.	Name of Contact Person			
3.	Registered Office Address			
4.	Year of Establishment			
5.	Type of Firm	Public Limited	Private Limited	Others
	Put Tick( ✓ ) mark			
6.	Telephone Number(s)			
7.	GST Number			
8.	PAN Card Number			
9.	Email Address			
10.	Website			
11.	Fax No.			
12.	Mobile Number			
13.	Area of Specialization			

III. The Tender fee amounting to Rs. 5000/- (Rupees Five Thousand Only) has been deposited vide cash receipt no. \_\_\_\_\_ Dated \_\_\_\_\_.

IV. The RISL Processing fee amounting to Rs. 1000/- (Rupees One Thousand Only) has been deposited vide cash receipt no. \_\_\_\_\_ Dated \_\_\_\_\_.

V. The rates quoted are valid up to \_\_\_\_\_. (Subject to a minimum of 90 days from the date of opening of the bid). The validity can be extended with mutual agreement.

VI. Following documents are attached towards the proof of bid security deposited.

<b>S. No.</b>	<b>Earnest Money Deposited through</b>	<b>Number</b>	<b>Dated</b>
1.	Cash		
2.	Demand Draft		
3.	Banker's Cheque (Local only)		

VII. We agree to abide by all the conditions mentioned in this Tender Notice issued by the Tendering Authority and also the further conditions of the said Tender Notice given in the attached sheets.

**Signature & Seal of Bidder**

**ANNEXURE-12: INDICATIVE FORMAT FOR CONSORTIUM AGREEMENT**

(On non-judicial stamp paper of appropriate value to be purchased in the name of executants companies or as required by the jurisdiction in which executed)

This Consortium Agreement executed on this ..... day of..... Two Thousand ..... By:  
M/s. .... a Company incorporated under the laws  
of..... and having its registered office at ..... (hereinafter called the  
“Lead Member/First Member” which expression shall include its successors); and

M/s. .... a Company incorporated under the laws of  
..... and having its registered office at ..... (hereinafter called  
the “Second Member” which expression shall include its successors)

The Lead Member/First Member and the Second Member shall collectively hereinafter be called as the  
“Consortium Members” for the purpose of submitting a proposal (hereinafter called as “Bid”) for the work of  
.....(Name of work).....for ..... (Name of project) of M/s..... to  
Government of Rajasthan (GoR)/ RajCOMP Info Services Limited (herein after called the ‘Owner’ or ‘RISL’), RISL  
being a Company incorporated under the Companies Act, 1956 having its registered office at Yojana Bhawan, Tilak  
Marg, C-Scheme, Jaipur, India (hereinafter called the “Owner/GoR/ RISL”) in response to GoR/ RISL Request for  
Proposal Document (hereinafter called as “RFP” Document) Dated..... for the purposes of submitting the bid  
no. .... and entering into a contract in case of award for the work of .....(Name of  
work).....for ..... (Name of project) of GoR/ RISL.

WHEREAS, the Owner invited bids vide its RFP document no. .... for the work of  
..... AND WHEREAS as per document, Consortium bids will also be considered by the  
Owner provided they meet the specific requirements in that regard.

AND WHEREAS the PQ bid is being submitted to the Owner vide proposal dated ..... based on the Consortium  
Agreement being these presents and the PQ bid with its PQ bid forms and submission documents, in accordance  
with the requirement of PQ document conditions and requirements have been signed by all the partners and  
submitted to the Owner.

AND WHEREAS Clause \_\_\_\_\_ of RFP document stipulates that a Consortium of maximum two companies,  
meeting the requirements stipulated in the RFP document may submit a Proposal signed by Lead Member of the  
Consortium Members so as to legally bind all the Members of the Consortium who will be jointly and severally  
liable for the performance and all obligations thereunder to GoR/RISL and duly signed Consortium Agreement shall  
be attached to the Proposal.

NOW THEREFORE, in consideration of the mutual covenants of the members of the Consortium, the sufficiency  
whereof is hereby acknowledged and other good valuable consideration, we agree as follows:

1. We the members in the Consortium hereby confirm that the name and style of the Consortium shall  
be..... Consortium.
2. M/s. .... shall act as Lead Member for self, and for and on behalf of M/s .....  
(Second Member) and further declare and confirm that we shall jointly and severally be bound unto the Owner

for the successful performance of the obligations under the Request for Proposal (RFP) and resulting Contact Agreement(s) submitted / executed by the Lead Member in the event of the selection of Consortium. Further, the Lead Partner is authorized to incur liabilities and receive instructions for and on behalf of any or all partners of the CONSORTIUM.

3. That M/s \_\_\_\_\_ which is the Lead Member of the Consortium shall invest and continue to invest ....% (at least 51% to be invested by Lead Bidder) interest in the Consortium for the Lock in Period (Complete Project Period) as specified in the RFP document.
4. That M/s \_\_\_\_\_, (Second Member) shall invest and continue to invest ....% interest of the Consortium for the Lock in Period (Complete Project Period) as specified in the RFP document.
5. The composition or the constitution of the consortium shall not be altered without the prior consent of GoR/RISL.
6. The roles and responsibilities of the lead bidder and the second member of the consortium for execution of various components/activities as defined in the RFP document shall be as under :

S.No.	Project Component/Activity	Roles & Responsibility of Lead Bidder	Roles & Responsibility of Second Member of Consortium
1			
2			
3			
4			

7. It is expressly agreed by the members that all members of the consortium shall be held equally responsible for the obligations under the RFP Document, Contract and this Agreement, irrespective of the specific roles/responsibilities undertaken by them.
8. For the purpose of this Agreement, the RFP Document and the Contract, the Lead Partner shall be the single point of contact for the GoR/ RISL, shall have the overall responsibility of the management of the Project and shall have single point responsibility for ensuring that all members of the consortium are complying with the terms and conditions set out in the Contract and the RFP Document.
9. All instructions/communications from PMC to the Lead Partner shall be deemed to have been duly provided to all the members of the consortium.
10. If GoR/ RISL suffers any loss or damage on account of any breach in the stipulation of the Agreements to be entered into by the Consortium Members, upon its selection pursuant to RFP (the "Agreements") or any shortfall in the performance of the Transaction or in meeting the performances guaranteed as per the RFP and the Agreements, the Consortium Members hereby jointly and severally undertake to promptly make good such loss or damages caused to GoR/ RISL on its demand without any demur or contest. The Owner shall have the right to proceed against anyone of the partners and it shall neither be necessary nor obligatory on the part of the Owner to proceed against the Lead Partner before proceeding against or dealing with the other Member.
11. The financial liability of the Consortium Members to the GoR/ RISL, with respect to any of the claims arising out of the performance or non-performance of obligations under the RFP and the resulting Agreement(s) shall not be limited so as to restrict or limit the liabilities of any of the Members and the Members shall be jointly and severally liable to GoR/RISL.
12. It is expressly agreed by the Members that all the due payments shall be made by the Owner to Lead Bidder only.
13. This Consortium agreement shall be construed and interpreted in accordance with the laws of India and the Courts of Jaipur (Rajasthan) shall have the exclusive jurisdiction in all matters arising there under.

14. It is also hereby agreed that Lead Member shall, on behalf of the Consortium shall submit the Bid and performance Security as specified by owner in the RFP document.
15. It is further agreed that this Consortium Agreement shall be irrevocable and shall continue to be enforceable till the same is discharged by GoR/RISL.
16. This Agreement shall come into force as of the date of signing and shall continue in full force and effect until the complete discharge of all obligations, concerning the carrying out of the Project, which have been taken on by the Parties under the Contract, RFP Document and under this Agreement.
17. Any other terms and conditions not in contradiction to the RFP and above mentioned terms and conditions.

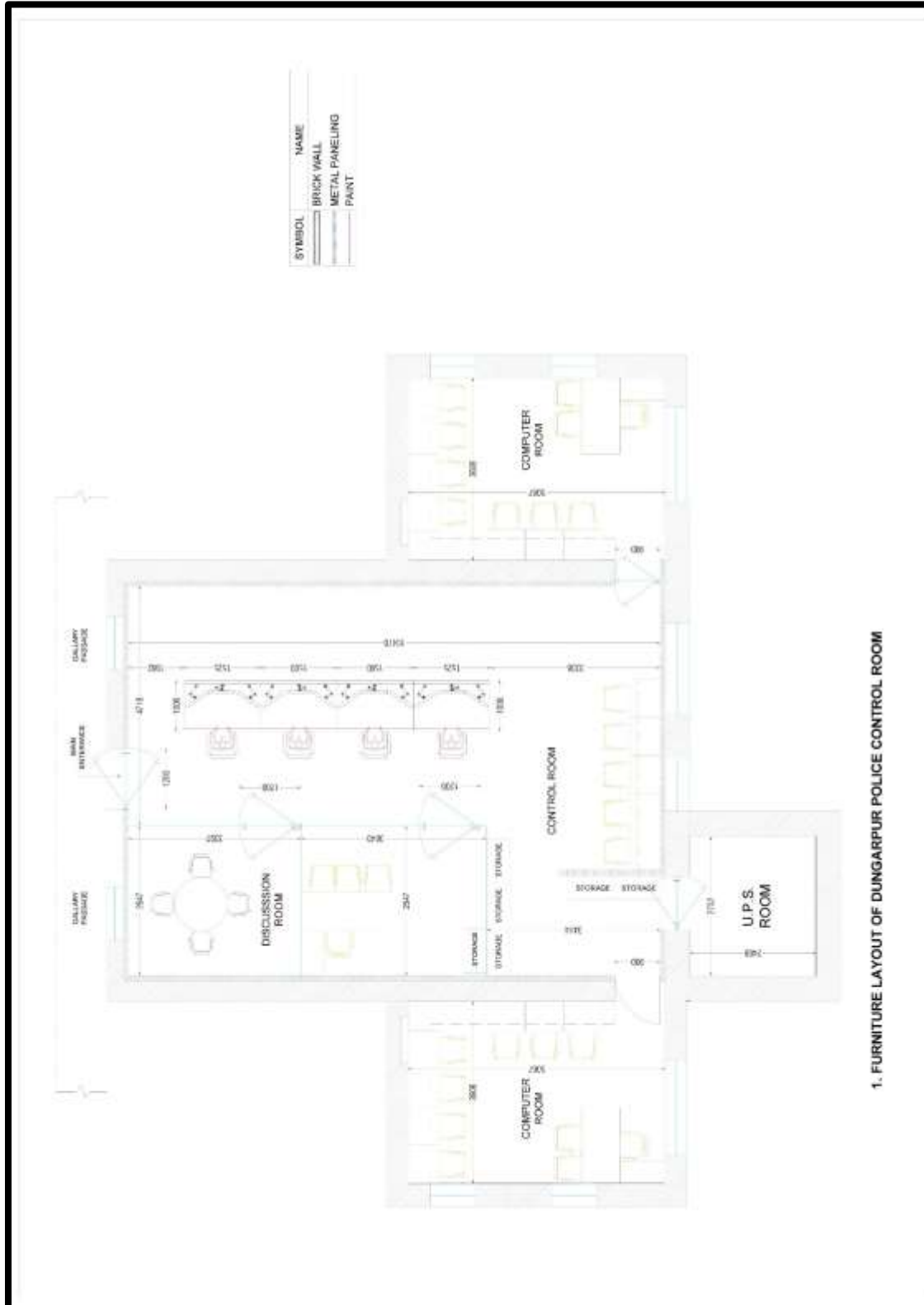
IN WITNESS WHEREOF, the Members to the Consortium agreement have through their authorised representatives executed these presents and affixed common seal of their companies, on the day, month and year first mentioned above.

<p>Common Seal of ..... has been affixed in my/our Lead Member presence pursuant to Board of Director's resolution dated .....</p> <p>1) Witness</p> <p>2) Witness</p>	<p>For and on behalf of M/s..... (Lead Bidder)</p> <p>(Signature of authorized representative)</p> <p>Name :</p> <p>Designation:</p>
<p>Common Seal of ..... has been affixed in my/our Second Member presence pursuant to Board of Director's resolution dated .....</p> <p>1) Witness</p> <p>2) Witness</p>	<p>For and on behalf of M/s..... (Second member)</p> <p>(Signature of authorized representative)</p> <p>Name :</p> <p>Designation:</p>

### ANNEXURE-13: INDICATIVE DRAWINGS FOR DISTRICTS OF RAJASTHAN

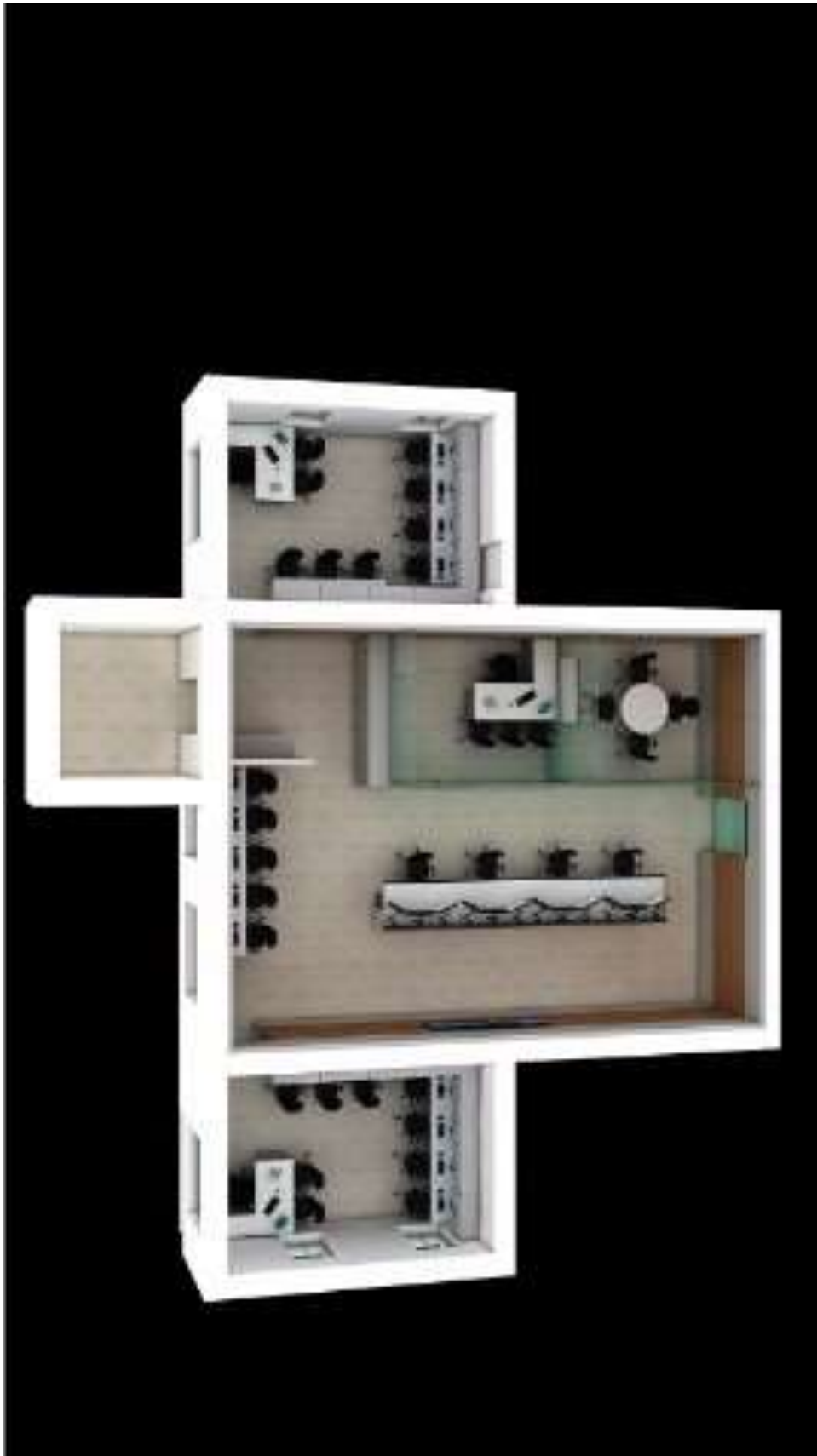
The indicative existing and proposed drawings are available as Annexure to this RFP in a separate file having “pdf” format and is available on website <http://eproc.rajasthan.gov.in>, <http://risl.rajasthan.gov.in> and <http://www.doitc.rajasthan.gov.in/> for various works to be executed.

#### 01. Dungarpur

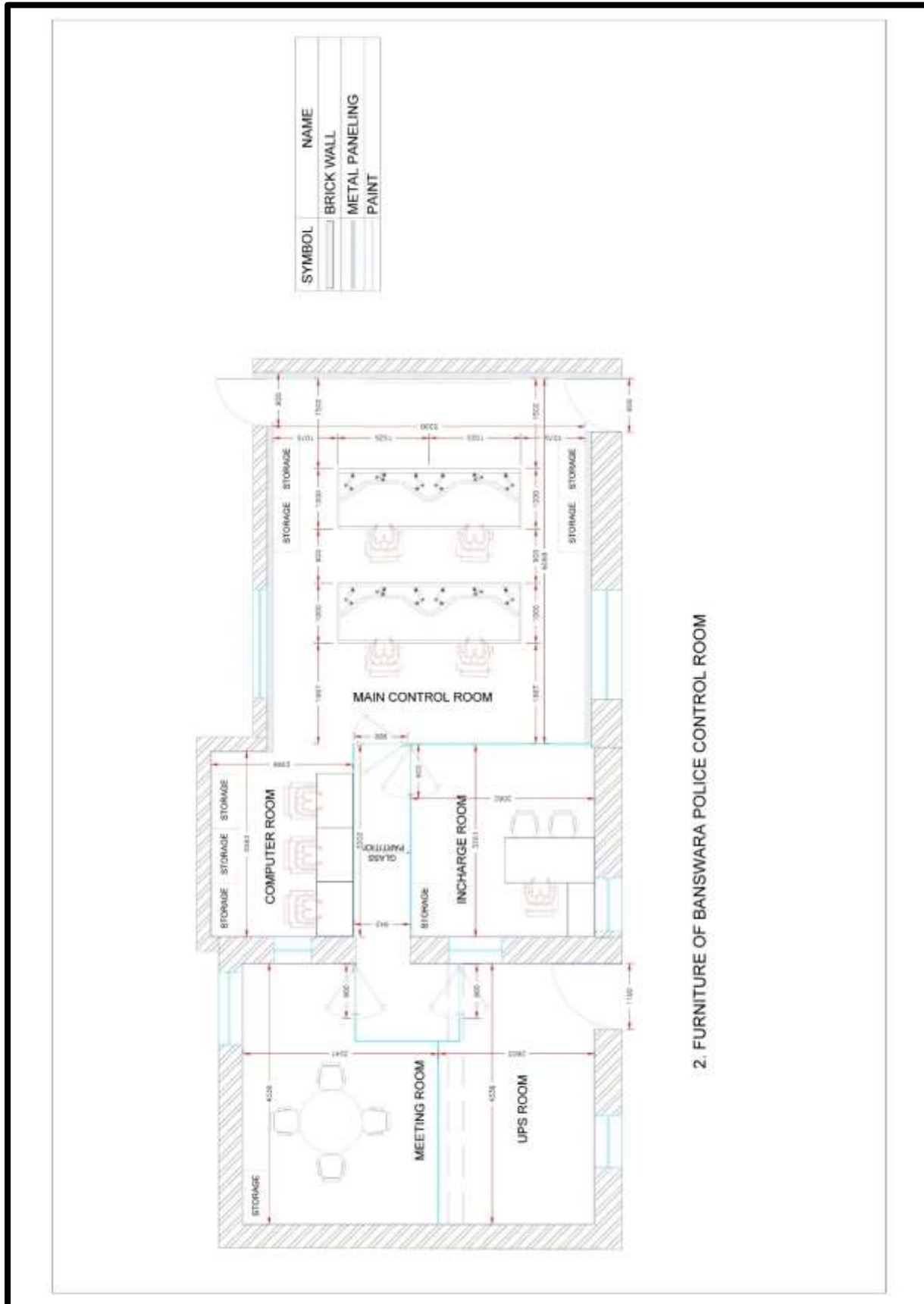


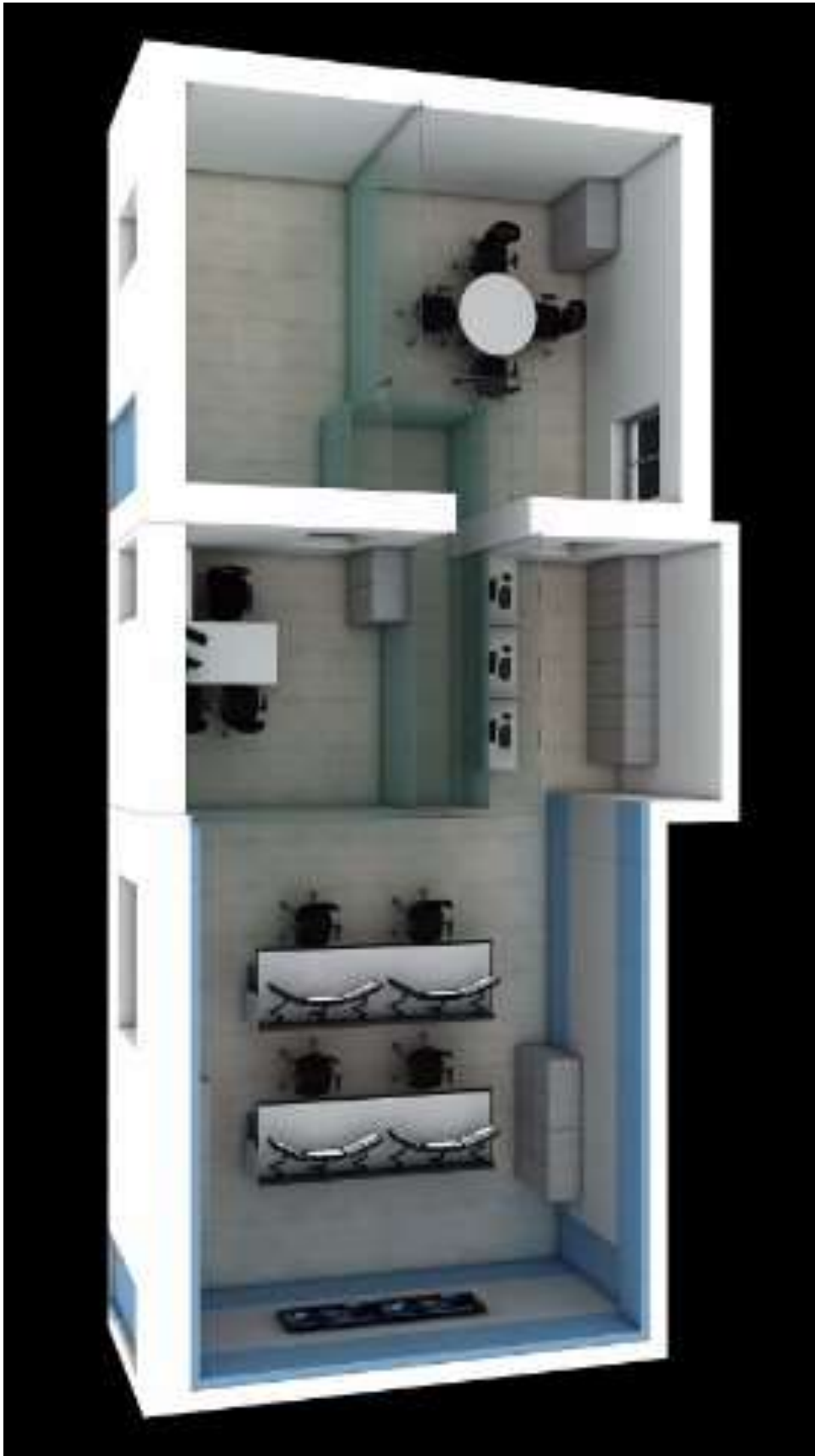
1. FURNITURE LAYOUT OF DUNGARPUR POLICE CONTROL ROOM



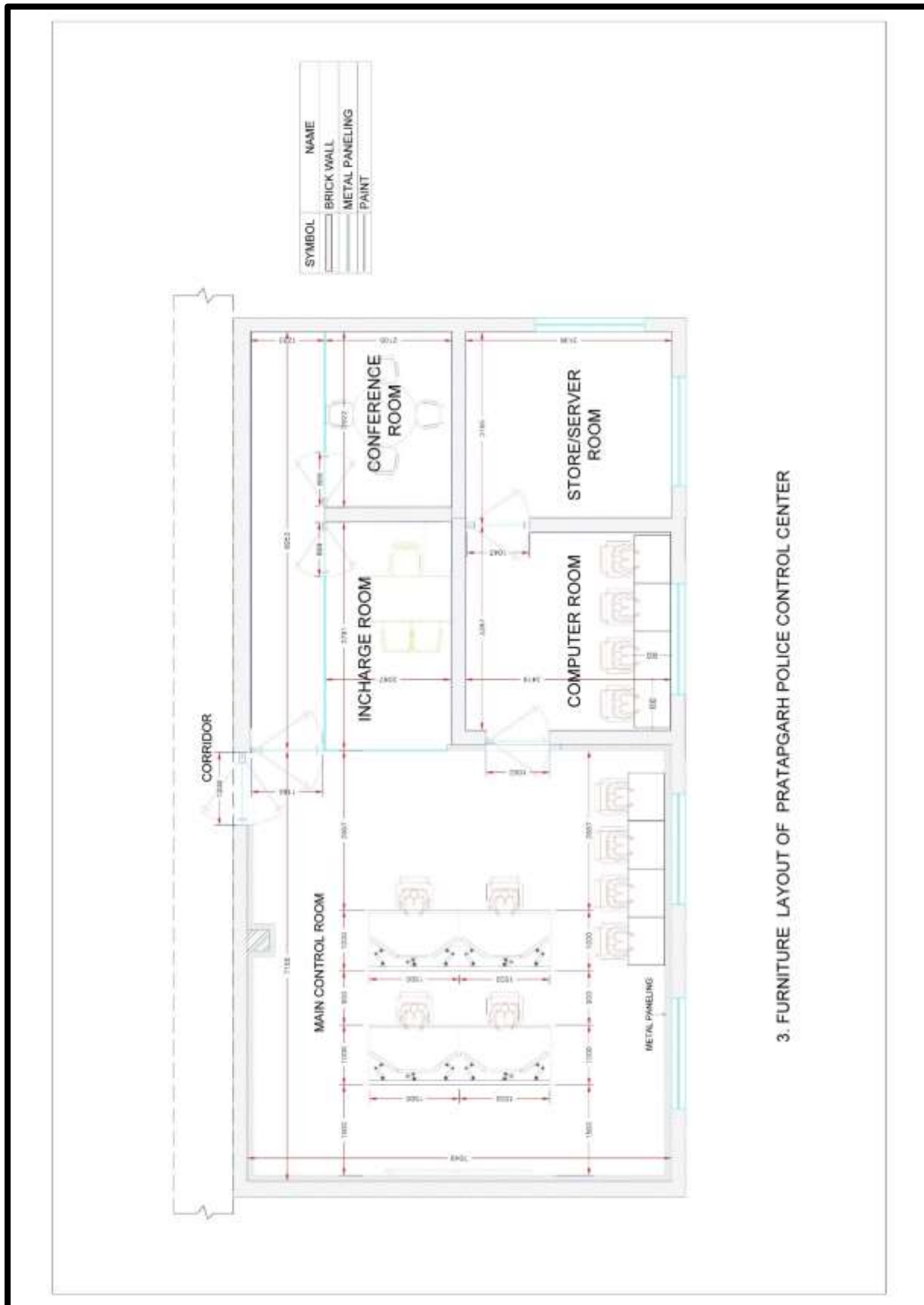


## 02. Banswara



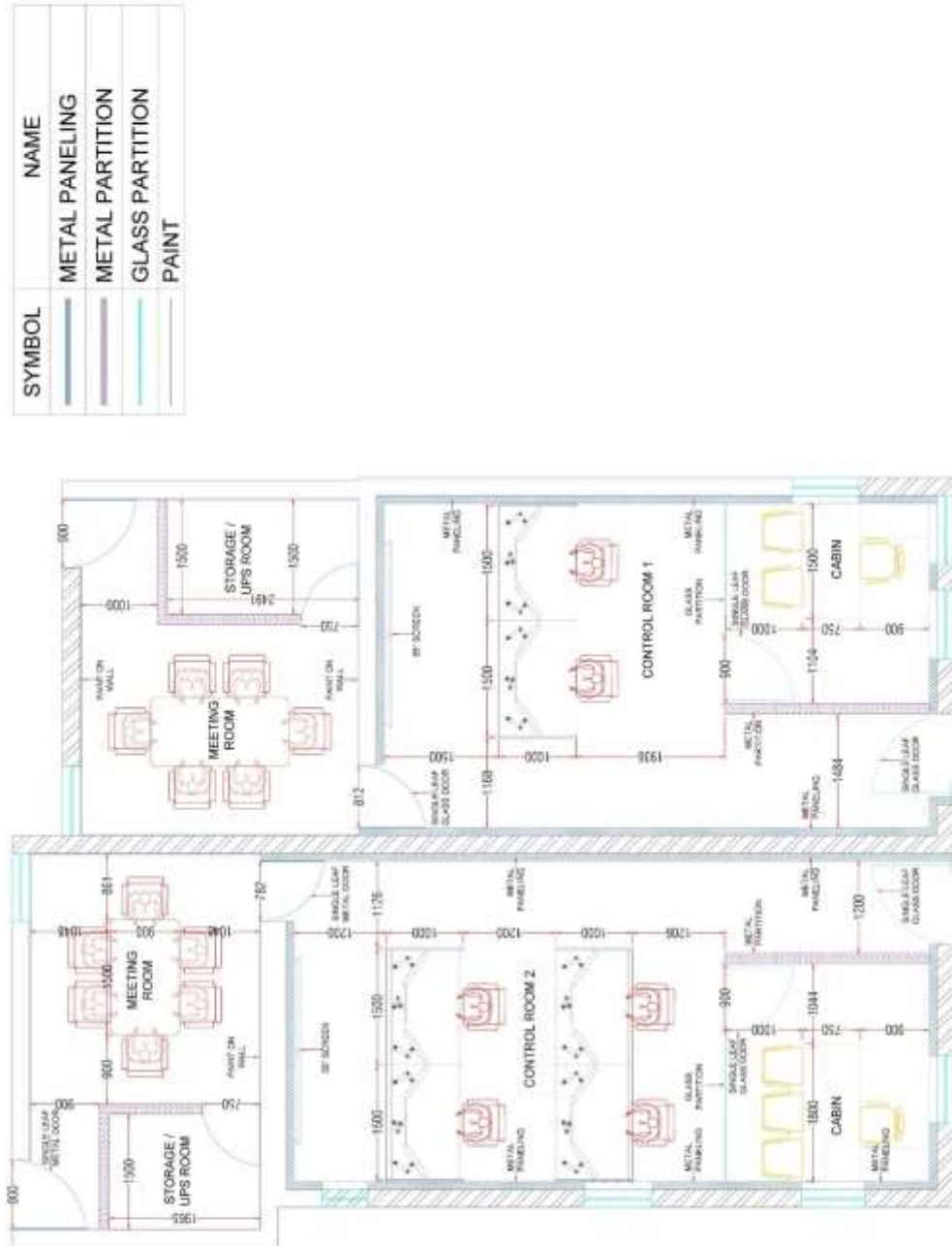


### 03. Pratapgarh





04. Baran



4. G.A. \ EQUIPMENT LAYOUT OF BARAN POLICE CONTROL ROOM





The floor plan illustrates the layout of the Bhilwara Police Control Room. It includes a legend for materials: Metal Paneling (blue), Metal Partition (purple), Glass Partition (green), and Paint (yellow). The layout features a central Control Room with multiple workstations, a Shift Incharge room, a Meeting Table area, a Toilet, and a UPS Room. Dimensions and material specifications are provided for each section.

**Legend:**

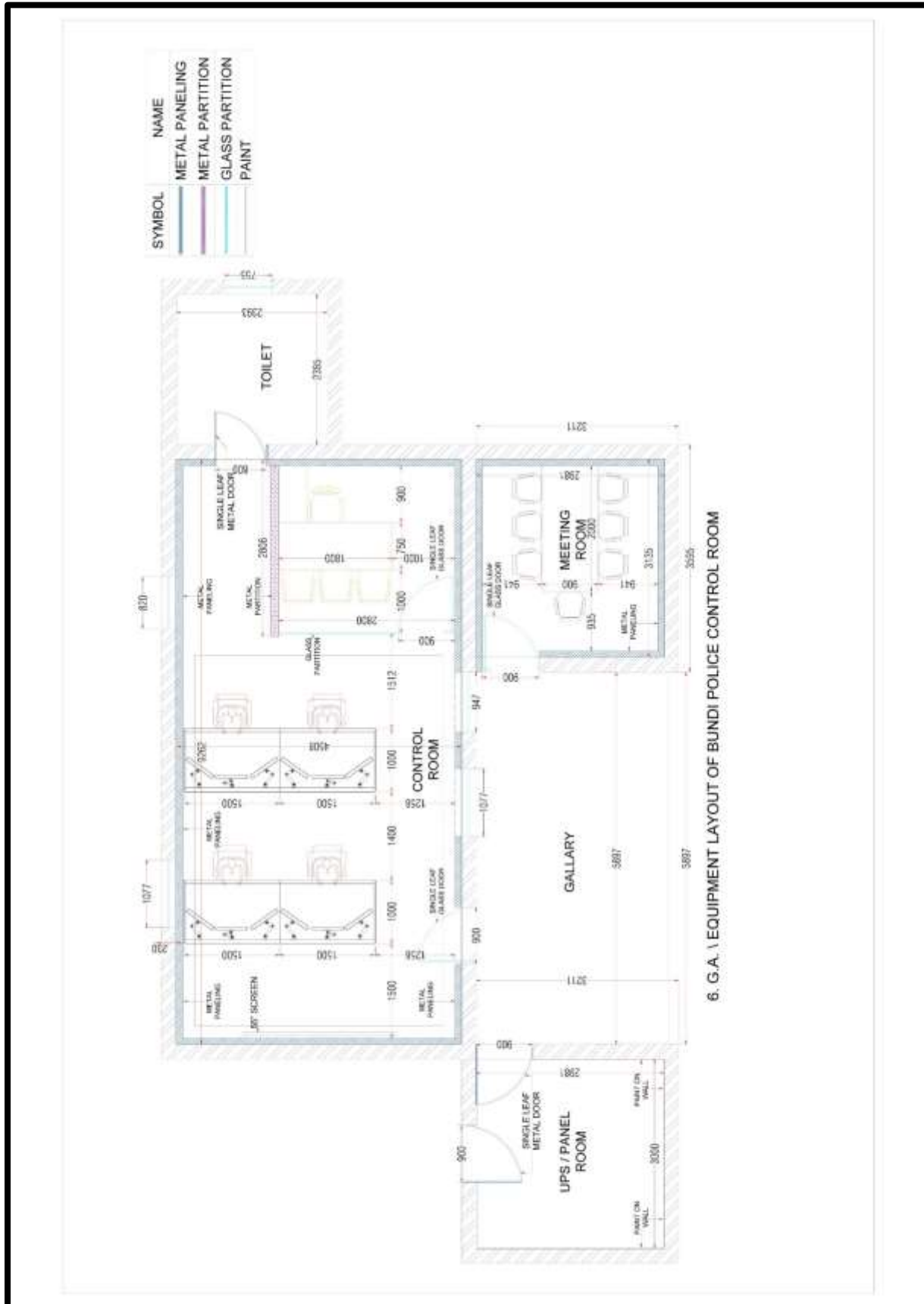
SYMBOL	NAME
Blue line	METAL PANELING
Purple line	METAL PARTITION
Green line	GLASS PARTITION
Yellow line	PAINT

**Room Details:**

- Shift Incharge:** 1500 x 1300, includes a 50" screen and metal partition.
- Meeting Table:** 2400 x 1200, includes a 40" screen and metal paneling.
- Toilet:** 1000 x 1300, includes a single leaf glass door and metal door.
- Control Room:** 1500 x 1500, includes 1200 mm height storage, metal paneling, and a 55" screen.
- UPS Room:** 1500 x 1500, includes a paint on wall and metal paneling.

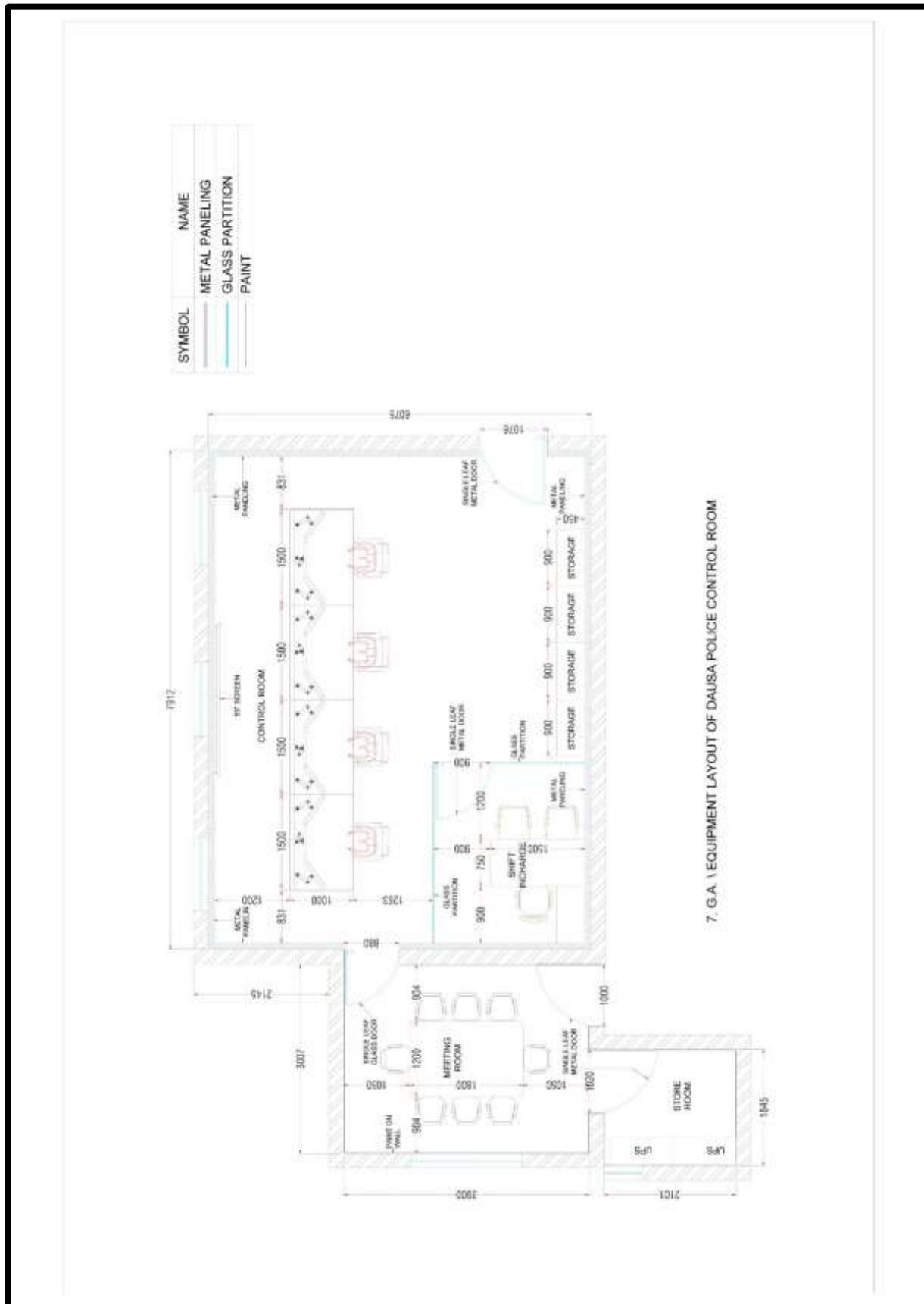


06. Bundi



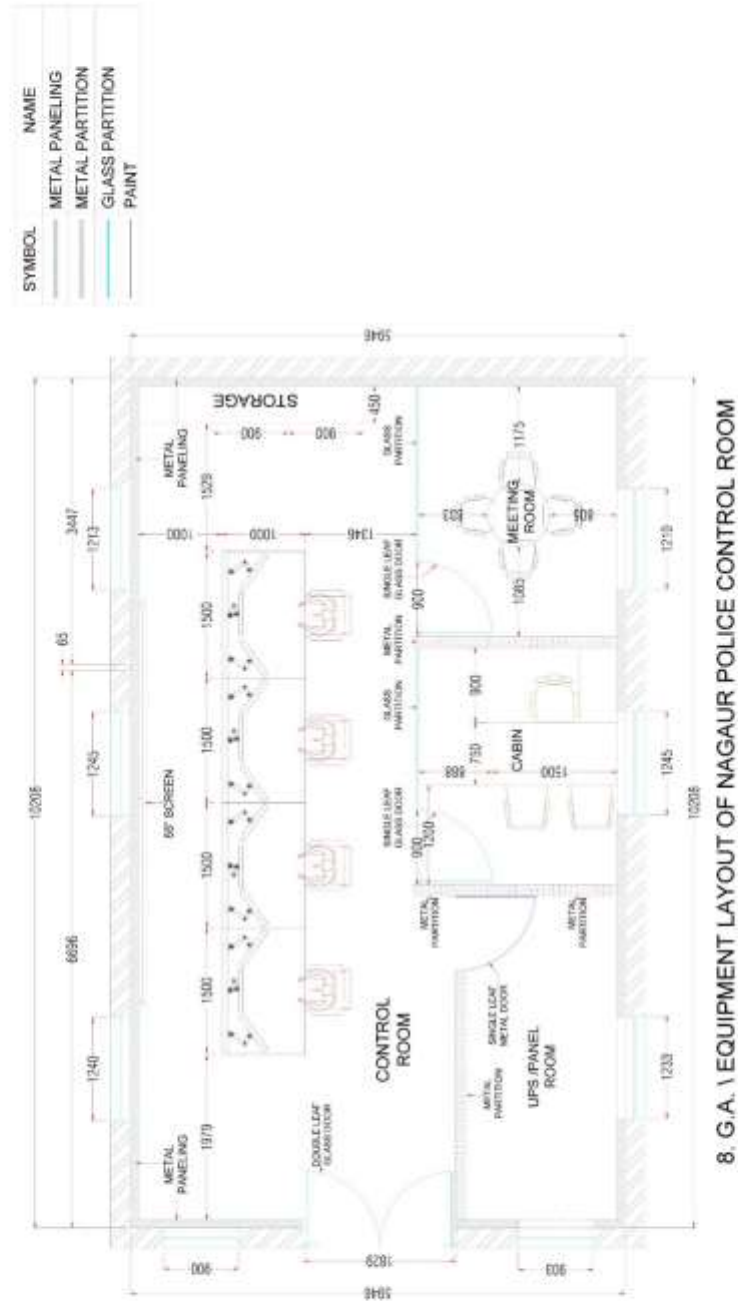


## 07. Dausa





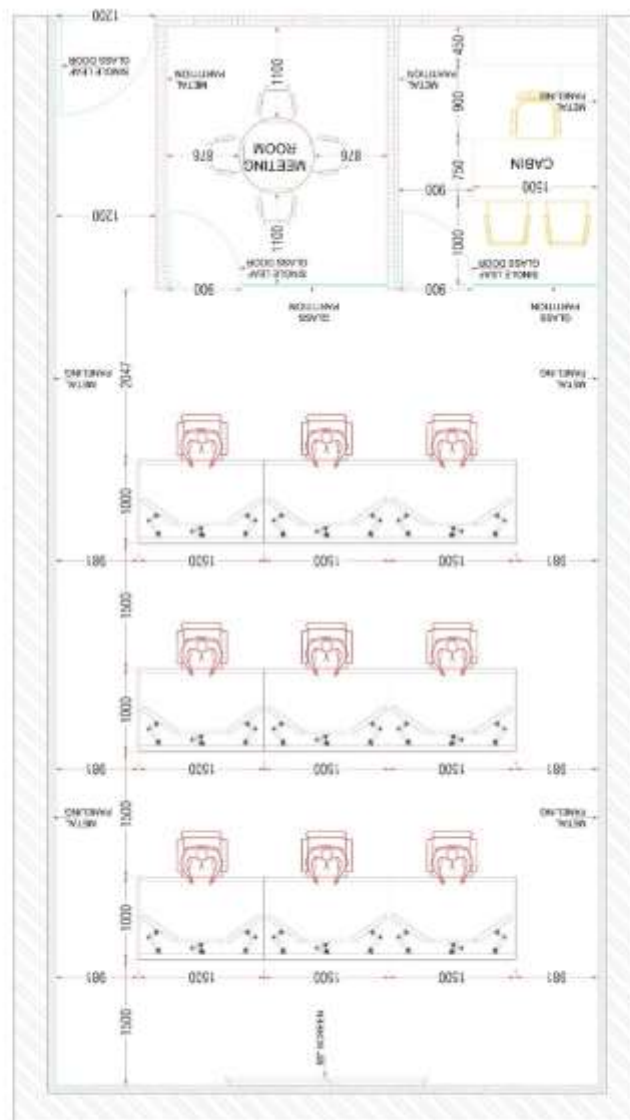
## 08. Nagaur







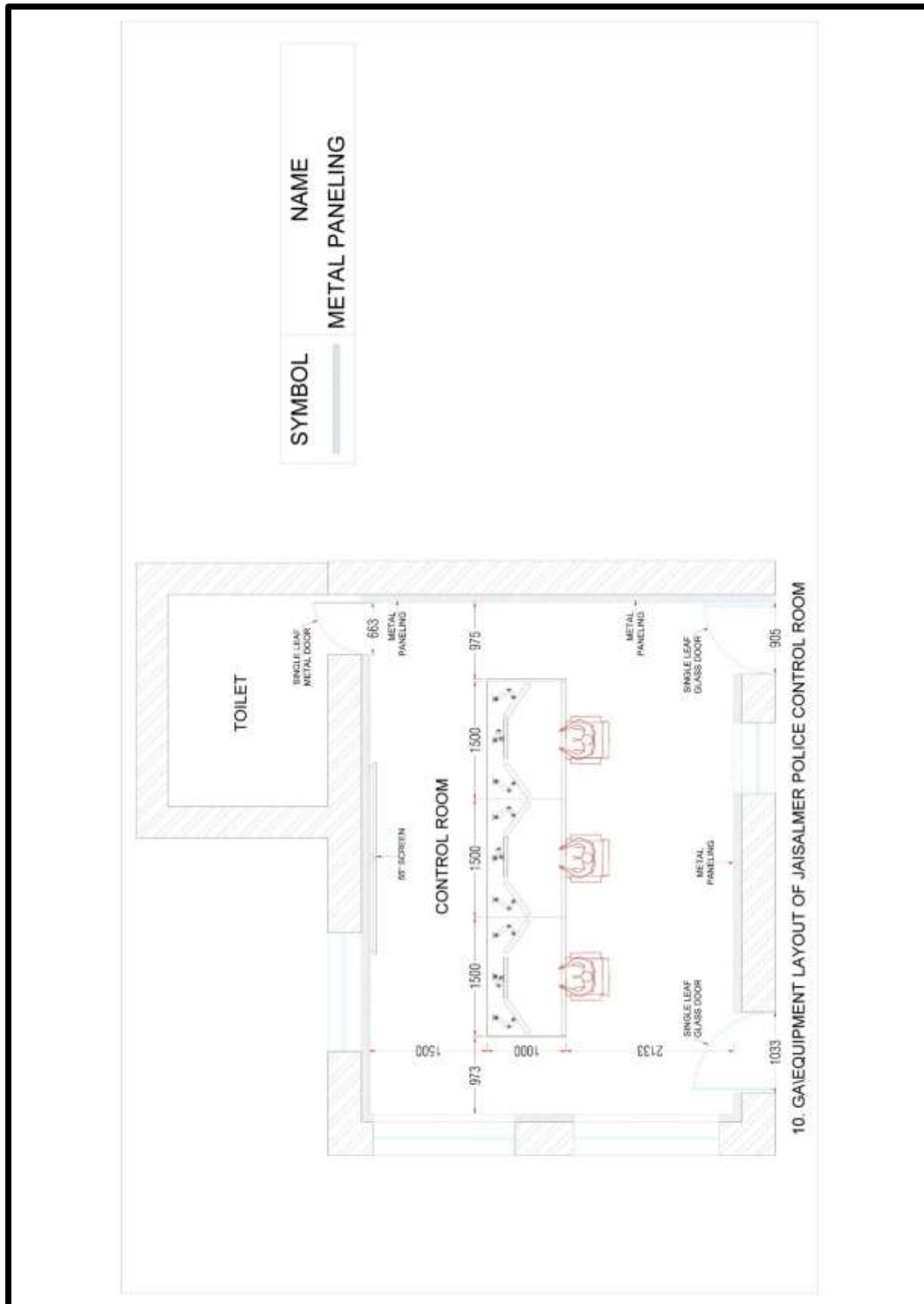
## 09. Barmer



9. GAEQUIPMENT LAYOUT OF BARMER POLICE CONTROL ROOM

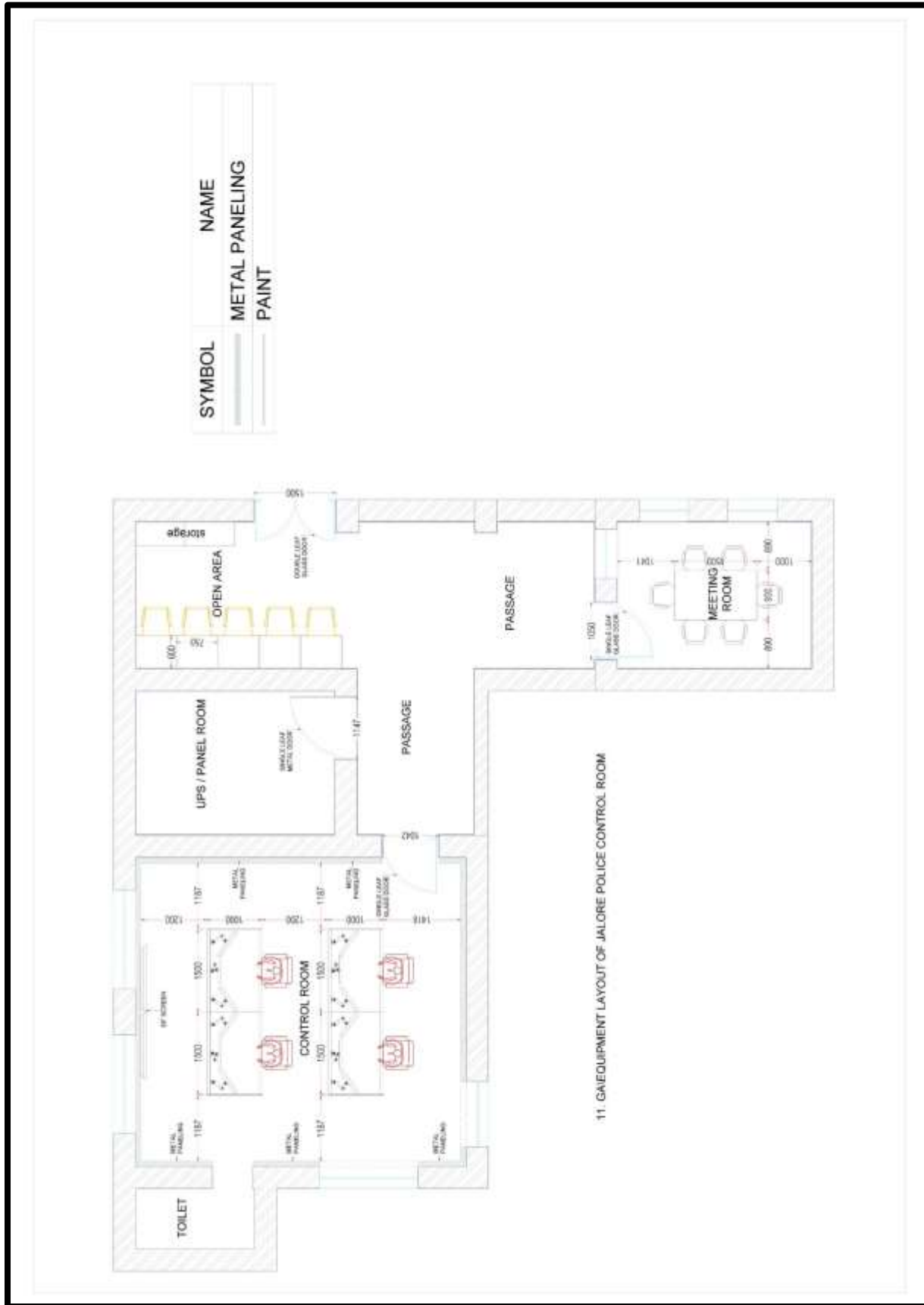


## 10. Jaisalmer





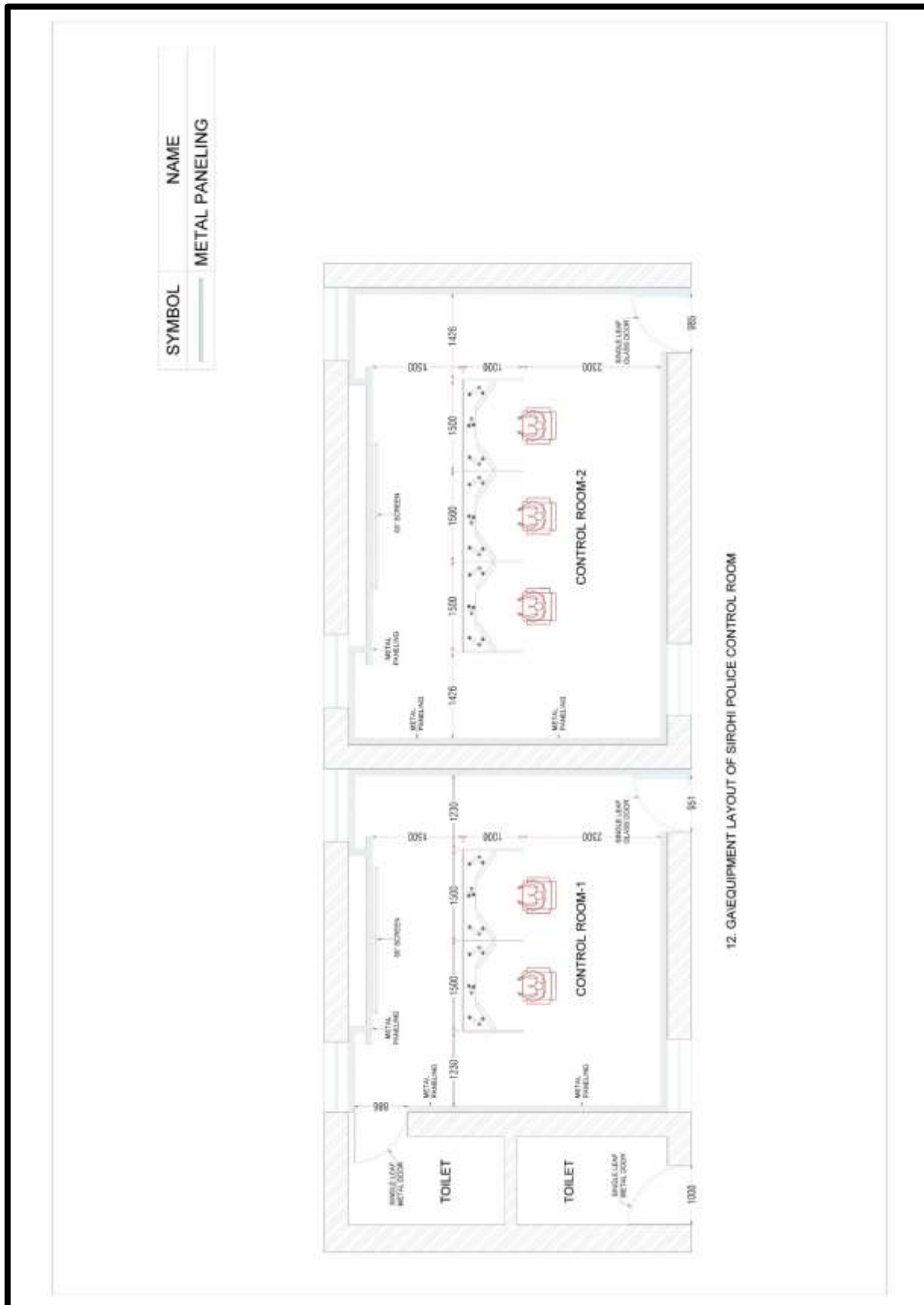
## 11. Jalore

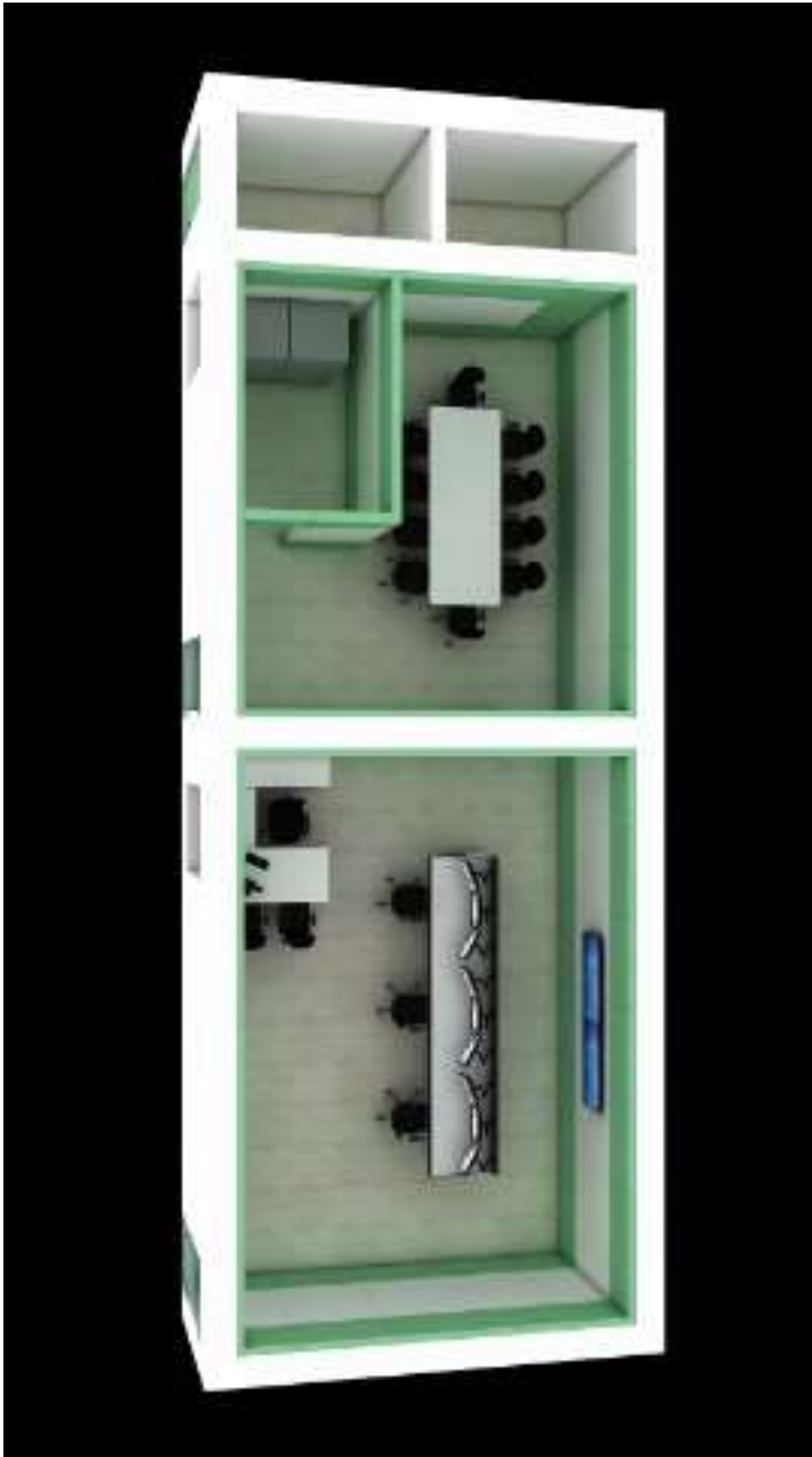






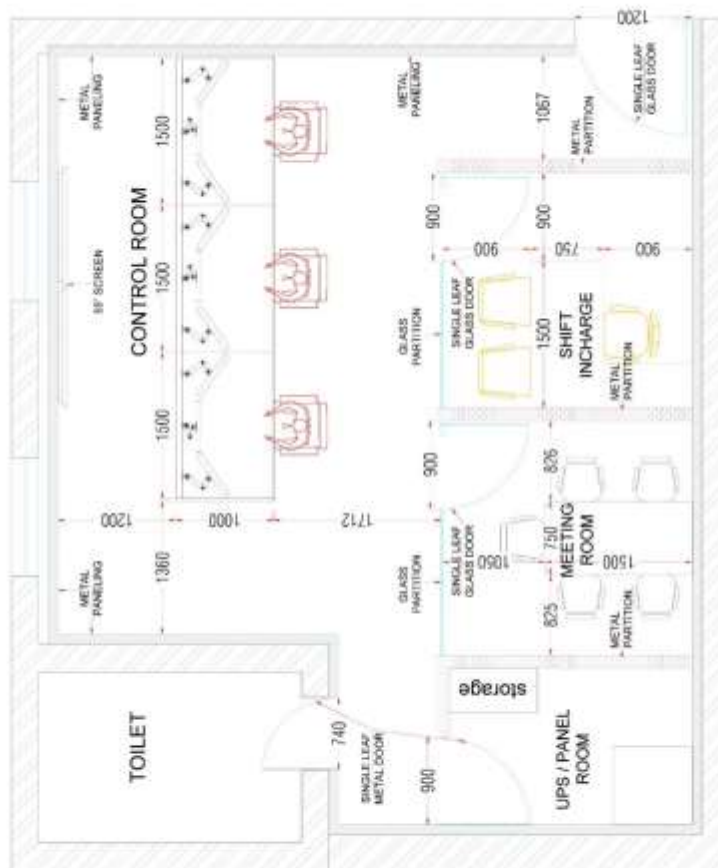
## 12. Sirohi



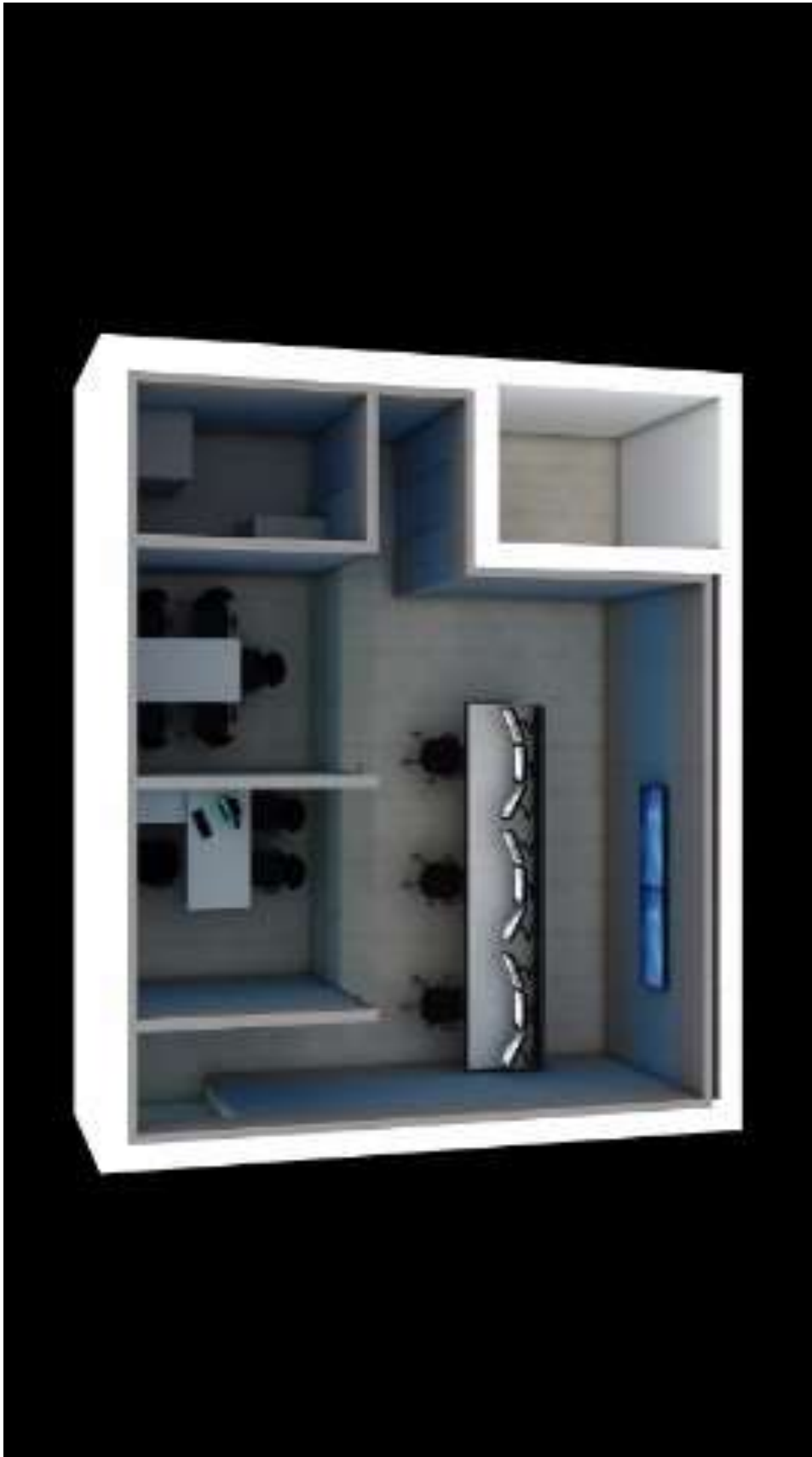


### 13. Jhunjhunu

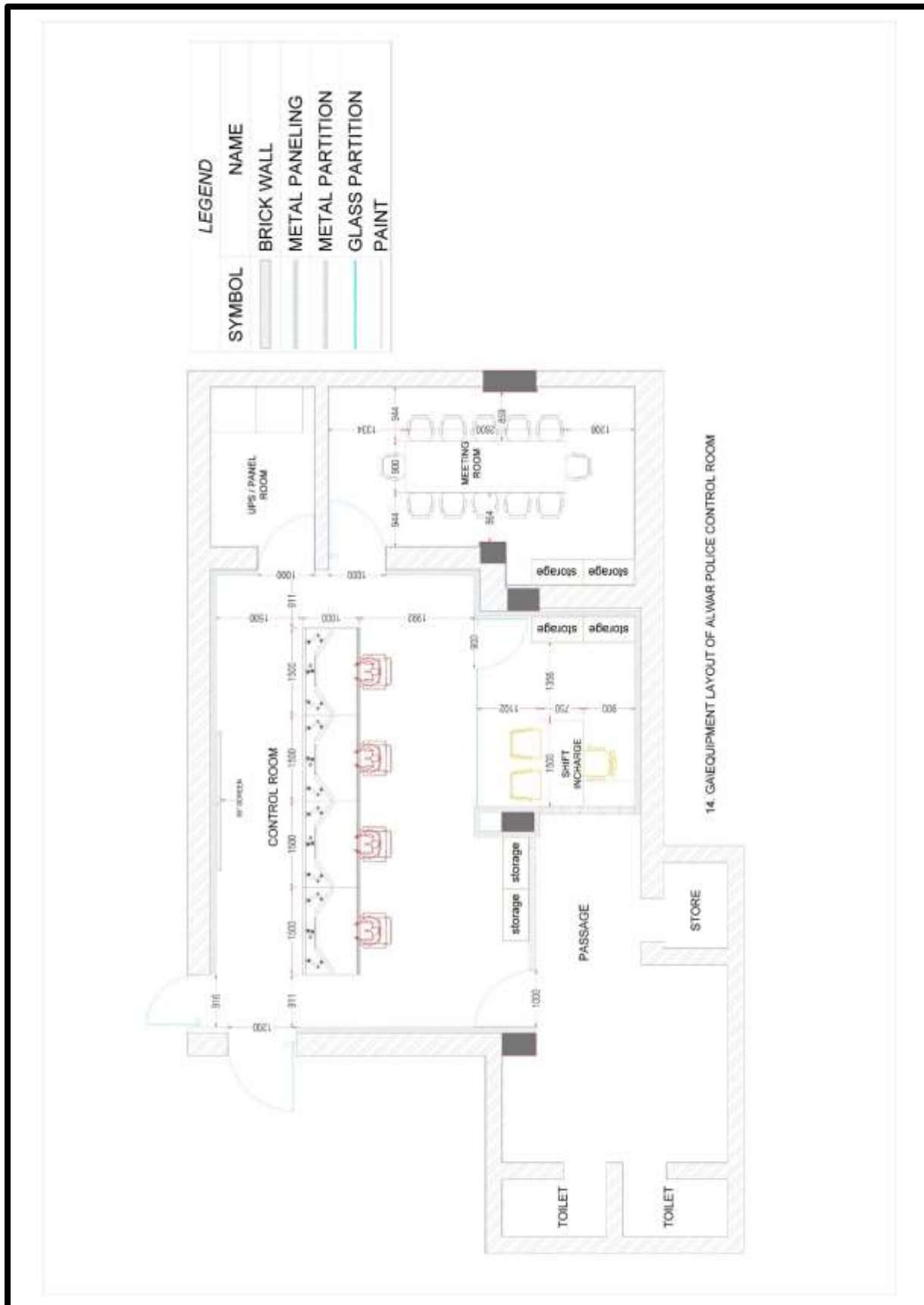
LEGEND	
SYMBOL	NAME
	BRICK WALL
	METAL PANELING
	METAL PARTITION
	GLASS PARTITION



13. GAIEQUIPMENT LAYOUT OF JHUNJHUNU POLICE CONTROL ROOM



#### 14. Alwar





**Note:** These plans are tentative, any missing drawings of any location can be submitted later on. Slight changes can be done as per site requirement. Drawings of remaining district as Chittorgarh, Churu, Dholpur, Hanumangarh, Jhalawar, Karauli, Pali, Rajsamand, Sawai Madhopur, Sikar, Sri Ganganagar, Tonk will be submitted in due course.