# Jai Bhairav Welfare Society

# **Handicraft Emporium**

Office: Out Side Nathusar Gate, Bikaner(Rajasthan)

**Mobile:** +91-9799444666 Email: jbwsbkn@gmail.com

# TENDER DOCUMENT

TENDER REFERENCE No. (No. JBWS/Bkn/2025/276 Date 10-07-2025)

# TENDER FOR Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan)

| Date & Time of Release of Tender                      | 10.07.2025, 10:00 AM |
|---|----------------------|
| Last Date & Time for Submission of Bid                | 28-07-2028, 5:00 PM  |
| Date & Time of Opening of Bid<br>(Technical bid only) | 29-07-2025, 11:00 AM |

Funded by:-Development Commissioner (Handicrafts) Ministry of Textiles, Govt. of India, New Delhi

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# TENDER FOR HANDICRAFT EMPORIUM (CONSTRUCTION & COMPLETE INTERIOR DEVELOPMENT, CIVIL, ELECTRICAL, FURNITURE AND SERVICES) AT BIKANER (RAJASTHAN)

#### 1 PREAMBLE

Development Commissioner (Handicrafts), Ministry of Textiles, Government of India has formulated "Scheme of Infrastructure and Technology Support- National Handcarts Development Programme (NHDP)". The proposed project involves the setting up of new Handicrafts Emporium at Bikaner (Raj.) under the initiative of Jai Bhairav Welfare Society, Bikaner. This emporium aims to serve as a central hub for showcasing, promoting, and marketing traditional handicrafts and artisan-made products that reflect the rich cultural heritage of Rajasthan and India at large.

In response to the growing need for a structured and professionally managed retail and exhibition space, this emporium will not only provide a platform for local artisans to display and sell their products but also act as a resource centre for preserving dying crafts, encouraging skill development, and supporting livelihood generation among artisan communities.

The emporium will be constructed on a plot measuring 25' x 40', with a total carpet area of 1800 sq. ft., spread over two floors. The project includes:

Civil construction,
Electrical installations,
Complete interior development,
Furniture and fixture setup,
Lighting and signage,
Climate and security control systems.

The design and execution will aim for high-quality standards, cost-effectiveness, efficient space utilization, and aesthetic appeal, with special emphasis on integrating traditional Rajasthani elements with modern retail concepts.

This document sets out the technical specifications, scope of work, general and special conditions of the contract, bill of quantities, and other relevant terms for inviting tenders from competent reputed firms/agencies/companies/enterprises/contractors or any other firms for carrying out interior designing and execution work and other various work in establish a new emporium at Bikaner for the successful completion of the said project.

The project is part of a broader mission of the Society to empower artisans, preserve cultural heritage, and promote sustainable rural entrepreneurship.

The Tender notification has been published fixing the date of opening of tender as 29-07-2025 at 11:00 AM.

# 2 SCOPE OF WORK

- a) The successful tenderer should undertake all work at **Bikaner (Rajasthan)**as per the drawings and Estimate/Bill of Quantity (BoQ) given in Annexure-I.
- b) The successful tenderer should complete the work within 90 days from the date of receipt of Work Order.
- c) The Contractor shall be responsible for the complete execution of all works mentioned below:

| S.No. | SCOPE OF WORK   |  |
|-------|---|--|
| 1.    | Glass Doors, Glass Work, Shutters and Sign Board/frond facade     |  |
| 2.    | Display Decorations areas   |  |
| 3.    | Racks, Shelves, Furnitures, office, sale and packing counters     |  |
| 4.    | Wall Putty & Plastering   |  |
| 5.    | Wall Painting   |  |
| 6.    | Wall Paneling Work  |  |
| 7.    | Floor Tiles & wall tiles  |  |
| 8.    | False Ceiling Work  |  |
| 9.    | Drinking water dispenser, Plumbing Work and Rest Room Accessories |  |
| 10.   | Electrical Fitting, Lightings/sound and solar                     |  |
| 11.   | Air- Conditioners   |  |
| 12.   | Computers, software, Printers                                     |  |
| 13.   | Security Camera Installation & Display                            |  |
| 14.   | Fire Extinguishers  |  |
| 15.   | LED Display   |  |
| 16.   | Generator/Inverter for power backup                               |  |

# 3 QUALIFICATION CRITERIA

| 3 | QUALIFICATION | QUALIFICATION CRITERIA  |   |  |  |
|---|---------------|---|---|--|--|
|   | Clause        | Qualification Criteria  | Supporting Document   |  |  |
|   | 3(a)          | The tenderer should be a registered legal entity.   | Reputed firms/agencies/companies/ enterprises /contractors or any other firms for carrying out interior designing and execution work and other various work |  |  |
|   |               |   | (i) In case of Private / Public Limited Companies,  |  |  |
|   |               |   | Copy of Incorporation Certificate issued by<br>the Registrar of Companies   |  |  |
|   |               |   | Copy of Memorandum and Articles of<br>Association   |  |  |
|   |               |   | (ii) In case of Partnership Firm,   |  |  |
|   |               |   | Registered Partnership deed   |  |  |
|   |               |   | (iii) In case of Proprietorship Concern,  |  |  |
|   |               |   | <ul> <li>Copy of Udyog Aadhaar/ GST<br/>Registration Certificate / PAN</li> </ul>   |  |  |
|   |               |   | Card.   |  |  |
|   | 3(b)          | The tenderer should not have been blacklisted for supply of any items or services by any Government | The declaration form as per Annexure IV should be enclosed.   |  |  |
|   |               | departments/agency  |   |  |  |

#### 4 LANGUAGE OF THE TENDER

The Tender prepared by the tenderer as well as all correspondences and documents relating to the Tender shall be in English language only. If the supporting documents are in a language other than English/Hindi, the notarized translated English version of the documents should also be enclosed.

#### 5 PURCHASE OF TENDER DOCUMENTS

- a) The tender document shall be downloaded from <u>www.jbws.in</u> free of cost. The tenderer should give a declaration for not having tampered the Tender document downloaded from Internet (as per Annexure VII).
- b) The tender document can be downloaded from 28-07-2025.

#### 6 | CLARIFICATION ON THE TENDER DOCUMENT

The tenderers may ask for queries in any of the Scope of Work in the tender document before 48 hours of the opening of the tender. Such queries may be sent in writing to **Jai Bhairav Welfare Society**, **Out Side Nathusar Gate**, **Bikaner(Rajasthan)** or by e-mail to <a href="mailto:jbwsbkn@gmail.com">jbwsbkn@gmail.com</a>. JAI BHAIRAV WELFARE SOCIETY, BIKANER will upload the clarification on <a href="mailto:www.jbws.in">www.jbws.in</a>. It is binding on the part of tenderers to check the above said websites for any amendments or clarifications posted during the entire tender process.

# 7 AMENDMENT OF TENDER DOCUMENT

Jai Bhairav Welfare Society, Bikaner whether on its own initiative or as a result of a query, suggestion or comment of an Applicant or a Respondent, may modify the tender document by issuing an addendum or a corrigendum at any time before the opening of the tender, with the concurrence of the tender committee. Any such addendum or corrigendum will be uploaded on <a href="https://www.jbws.in">www.jbws.in</a> and the same will be binding on all Applicants or Respondents or Tenderers, as the case may be.

#### 8 AUTHORIZATION OF THE TENDERER

The Tender should be signed on each page by the tenderer or by the person who is duly authorized for the same by the tenderer.

# 9 PRE-VISIT OF SITE

The tenderer, on his/her own responsibility, risk and cost, is advised to visit and examine the site of works (Out Side Nathusar Gate, Bikaner-Rajasthan) and its surroundings and obtain all information that may be necessary for preparing the bid and entering into a contract for the work(s) as mentioned in the Annexure (I).

# 10 SPECIFIC INSTRUCTIONS TO BIDDERS/CONTRACTORS FOR QUOTING OF RATES

- (a) The contractors are requested to read the detailed specification and quote the rates clearly in the Price bid. Quoting the rates in the Price bid will only be taken up for comparison and shall be final.
  - The tenders invited are based on item wise rates mentioned in the estimate of works. Any lumpsum deductions or increase or rebate offered either in the tender or in the covering letter or at any portion of the tender will be ignored and only the rates offered in the Price bid alone will be taken as valid rates and taken up for tender comparison. Rates or Lumpsum amounts for items not called for shall not be included in the tender. Any alteration made by tenderer in the contract form, the conditions to Contract, the drawings, specification, or quantities accompanying the same will not be recognized and if any such alterations are made the tender will be void.
- (b) The tenderer / contractor will make his/her/their own arrangements to procure and use Brand Cement and Brand steel required for the work.
- (c) It should be clearly understood that the rate quoted by the tenderer / contractor is inclusive of incidental charges such as conveyance, loading, unloading, stacking at site and testing charges etc., complete.
- (d) The tenderer / Contractor should strictly follow above instructions without fail.

#### 11 SUBMISSION OF TENDER IN TWO COVER SYSTEM

- a) Every page of the terms and conditions of the tender document should be signed and enclosed with the tender, in token of having accepted the tender conditions. Failing which the tender will be rejected summarily.
- b) Tenders should be submitted in two parts:
  - a. Part I will cover technical bid and
  - b. Part II will cover price bid
- c) Tenderers should ensure submission of all documents pertaining to Part-I and Part II proposals separately as per the Check list given in Annexure -IX.
- d) Tenderers are requested to place Part I and Part II documents in separate sealed covers. Part I cover to be superscripted as "Part I Technical bid" and Part II cover to be superscripted as "Part II Price bid" respectively, mentioning the name and address of the Tenderer in each of the both covers. These two sealed covers (Part I and Part II) must be placed in a single outer cover superscripted as "Tender for Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Out Side Nathusar Gate, Bikaner (Rajasthan) mentioning the name and address of the Tenderer in the outer cover. Tenders shall be submitted in sealed cover and unsealed tenders would summarily be rejected.
- e) Tenders should be dropped only in the tender box kept at the office of "Jai Bhairav Welfare Society, Out Side Nathusar Gate, Dist.-Bikaner, Rajasthan" on or before 05: 00 PM on 28-07.2025. Tenders will not be received by hand.
- f) Alternatively, the tenders can be submitted through registered post so as to reach the above address on or before 05:00 PM on 28-07-2025. Tenders received after the specified time will not be considered and JAI BHAIRAV WELFARE SOCIETY, BIKANER will not be liable or responsible for any postal delays.
- g) A tender once submitted shall not be permitted to be altered or amended.

#### 12 | EARNEST MONEY DEPOSIT

- (a) EMD of 50,000/- (Rs Fifty thousand only) in the form of a Demand Draft of a scheduled bank in the name of **Jai Bhairav Welfare Society** payable at Bikaner, Rajasthan valid for at least 60 days from the date of opening of the tender. EMD of the unsuccessful bidders shall be refunded without any interest at the earliest after the finalization of the purchase of the concerned item.
- (b) The tenderer should submit "BID SECURITY DECLARATION" as per the format given in Annexure VI, failing which the bid is liable for rejection.
- (c) If the tenderer emerges as the successful bidder and after subsequent issuance of letter of acceptance by the Jai Bhairav Welfare Society, failure to sign the agreement, to remit the Security Deposit or to execute the contract as per tender conditions, will result in blacklist of the firm up to a maximum period of 3 years.

#### 13 VALIDITY

- (a) The rate quoted in the Tender should be valid for the acceptance by the Jai Bhairav Welfare Society, Bikaner for a minimum period of 180 days from the date of opening of the Tender.
- (b) The accepted rate of the successful tenderer is valid till the entire contract is fully completed. Escalation in the rates will not be entertained under any circumstances.

#### 14 OPENING AND EVALUATION OF THE TENDER

- (a) The tender box will be closed at 5:00 PM as per the office clock on 28-07-2028 and the received tenders in the tender box will only be opened. Tenders received after specified date and time will not be accepted. The Tender will be opened by the Tender committee at 11:00 AM on 29-07-2025 in the presence of the available Tenderers/representatives of the Tenderers who choose to be present. The Tenderers or their authorized agents are allowed to be present at the time of opening of the tenders.
- (b) Tender Committee will inform the attested and unattested corrections, before the Tenderers and sign all such corrections in the presence of the Tenderers. If any of the Tenderers or agents not present then, in such cases the Committee will open the tender of the absentee Tenderer and take out the unattested corrections and communicate it to them. The absentee Tenderer should accept the corrections without any question whatsoever.
- (c) If the date fixed for opening of the tender happens to be a Government holiday, the sealed tenders will be opened at 5:00 PM on the next working day.
- (d) The Technical bid will be evaluated by the tender committee in terms of the qualification criteria. The committee reserves the right to disqualify any of the tender in case the Committee is not satisfied with the documents furnished.
- (e) After the completion of evaluation of technical bids, the tenderers declared as qualified by the Committee, will be informed the date of opening of Price bid.

#### 15 PRICE OFFER

- (a) The Price bid should be kept only in the Part II cover.
- (b) The price bid should be prepared as per Annexure-VIII.
- (c) The price should be neatly and legibly written both in figures and words.
- (d) In case of discrepancy between the prices quoted in words and figures lower of the two shall be considered.
- (e) If a bidder quotes NIL charges/consideration, the bid shall be treated as unresponsive and will not be considered.

Part-II bid should not contain any commercial conditions. Variation in the commercial terms and conditions of the tender will not be accepted.

# 16 EVALUATION OF THE PRICE

- (a) The Tender committee will examine for complete, properly signed and error-free nature of the Price bid (Part II)
- (b) The comparison of the rates offered shall be based on the total all inclusive rates offered (i.e. sum of all inclusive rate offered for all the tendered items).

#### 17 AWARD OF CONTRACT

(a) The Tenderer who has quoted lowest price (L1) will be issued the 'Letter of Acceptance' by the Implementing Agency.

#### 18 | SECURITY DEPOSIT

- (a) On receipt of the Letter of Acceptance from JAI BHAIRAV WELFARE SOCIETY, BIKANER, the successful tenderer should remit a Security Deposit (SD) of 5 % of the value of the contract in the form of Account payee Demand Draft from any Indian Nationalized/Scheduled Commercial Bank or irrevocable Bank Guarantee with a validity period of one year in favour of "Jai Bhairav Welfare Society", payable at Bikaner, within 10 (Ten) working days from the date of receipt of letter of acceptance.
- (b) Any other amount pending with JAI BHAIRAV WELFARE SOCIETY, BIKANER will not be adjusted under any circumstances, against the Security Deposit if so requested.
- (c) Security Deposit amount remitted will not earn any interest.

#### 19 | ISSUE OF WORK ORDER

After payment of Security Deposit and successful execution of the agreement, Work Order will be released within 10 days by the IA. The successful tenderer should complete the Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) within 90 days from the date of receipt of Work Order.

#### 20 DEFECT IDENTIFICATION AND IT'S RECTIFICATIONS

- (a) Defect Liability period shall be 6 months from the date of the completion of work. Any defect arising in the work in guarantee period due to faulty workmanship and faulty materials should be rectified by contractor at his own cost.
- (b) Any deficiency in concreting such as cracking, excessive honeycombing, exposure of reinforcement or other fault which entail replacement of the defective part by fresh concrete and whatsoever remedy reasonable required without hampering the structural safely and architectural concept, all at the cost of contractor.
- (c) Defect Liability, if any, shall be covered from the Security Deposit (SD) submitted as per Clause 19 (a).

# 21 EMPLOYMENT OF TECHNICAL ASSISTANTS

- (a) The tenderer shall employ qualified technical persons at his cost to supervise the work and the tenderer should ensure the presence of the technical persons at the site of work during working hours, monitoring all items of works and paying extra attention to such works as may demand special attention.
- (b) A movement register should be opened and maintained for Technical persons employed by the Contractor. The Technical persons should note the arrival and the departure timings every day along with their initials in a register. Such Register should be produced during inspection of the Inspecting Officers (Tender committee members).

#### 22 | PAYMENT TERMS

- (a) 50% of contract value will be paid after given the work order.
- (b) 25% of the contract value will be paid on completion of 75% of work as per work order.
- (c) The balance 25% and SD will be released only after satisfactory completion of the entire contract based on the inspection report by Tender Committee.
- (d) JAI BHAIRAV WELFARE SOCIETY, BIKANER also reserves the right to recover any dues from the tenderer, which is found on later date, during audit/excess payment, after final settlement is made to them. The successful tenderer is liable to pay such dues to the JAI BHAIRAV WELFARE SOCIETY, BIKANER immediately on demand, without raising any dispute/protest.

#### 23 | PENALTY

- (a) Failure to execute the entire contract within the stipulated time as mentioned in Clause 21, due to delay on the part of the Contractor from the date of issue of work order / advance payment, as the case may be, will attract a penalty of 1% per week, on the full value of the contract up to a maximum of 5%. Delays, on the part of Contractor, beyond that period will result in cancellation of the Contract.
- (b) Implementing agency reserves the right to inspect the site at any point of time during the contract period to ensure the progress and quality of work carried out. During the inspection, if any discrepancies found in the quality of work / material used, the JAI BHAIRAV WELFARE SOCIETY, BIKANER, with the approval of the tender committee, reserves the right to order for any rework(s) /replace any item(s) of material, as the case may be, in order to ensure the quality of work / progress as per the contract terms.
- (c) All the materials used for construction shall be first use, new, high quality material. Old or Used materials will not be accepted and if found, the decision of Committee, either for rework / replace / deduction in payment shall be binding on the contractor.
- (d) Any delay on the part of JAI BHAIRAV WELFARE SOCIETY, BIKANER should be intimated and sorted out immediately without affecting the progress of works.

#### 24 TERMINATION OF CONTRACT

JAI BHAIRAV WELFARE SOCIETY, BIKANER reserves the right to terminate the contract at any time during the validity period on account of non-fulfillment of contract or for any of the reasons.

#### 25 GENERAL CONDITIONS

- (a) Conditional tender in any form will not be accepted.
- (b) Any notice regarding any matters, to the contractor shall deemed to be sufficiently served, if given in writing to his usual or last known place of business.
- (c) Tender committee reserves the right to relax or waive or amend any of the tender conditions.
- (d) The successful tenderer shall not outsource/off load either full or part of the work to any other agency / individual.
- (e) If the performance of the tenderer is not as per the schedule, then tender committee reserves the right to cancel / reallocate full or part of the contract, at any stage of the contract execution.

#### 26 JURISDICTION OF THE COURT

Any dispute arising out of non-fulfillment of any of the terms and conditions of this Agreement or any other dispute arising out of the arbitration award will be subject to the jurisdiction of the Courts in the City of Bikaner only.

We agree to the above terms and conditions.

| SIGNATURE OF THE TENDERER: DATI | Ε: |
|---------------------------------|----|
| NAME IN BLOCK LETTERS:          |    |

**DESIGNATION:** 

**ADDRESS:** 

# ANNEXURE - I

# Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan)

Site Location : Harolai Mandir Road, Out Side Nathusar Gate, Bikaner-334001 Rajasthan.

Brief description of work:Covered Area 1800 Sq feetPlot Size:25' x 40' (1000 sq. ft. per floor)Total Carpet Area:1800 sq. ft. (Double Story)

Total Land Area:1000 Sq.ft.Grand Floor Area:900 Sq. ft.First Floor Area:900 Sq. ft.Open Area:100 Sq. ft.Total Prop. Covd. Area:1800 Sq. ft.

| S. No. | DESCRIPTION<br>OF WORKS | Details Specification Required  | Qty.  |
|--------|-------------------------|---|---|
| 1.     | Glass Doors             | <ul> <li>Main Entrance Glass Door</li> <li>Description: Providing and fixing 12 mm thick toughened glass door with stainless steel patch fittings, floor spring, handles (SS finish), and necessary hardware.</li> <li>Material:         <ul> <li>Toughened glass</li> <li>Stainless steel fittings fittings</li> <li>Floor spring (double action, heavy duty)</li> </ul> </li> <li>Size: Main entrance – Double door (Approx. 7 ft height × 6 ft width)</li> <li>Rate includes: Cutting, fixing, polishing, edge finishing, labor, and scaffolding.</li> <li>Measurement: Per Sq. Ft.</li> </ul> | Approx. 7 ft<br>height × 6 ft<br>width                        |
| 2.     | Glass Work              | <ul> <li>Description: Providing and fixing 12 mm thick toughened clear glass panels for front faced display with aluminum or wooden frame as per design.</li> <li>Material:         <ul> <li>Toughened glass</li> <li>Silicone sealant for joints</li> </ul> </li> <li>Size: Full-height panels up to 10–12 ft height (as per design)</li> <li>Rate includes: Supply, installation, edge finishing, and all accessories.</li> <li>Measurement: Per Sq. Ft.</li> </ul>   | 10–12 ft height<br>and 20 feet<br>width approx                |
| 3.     | Shutters                | <ul> <li>Description:         Providing and fixing MS rolling shutter made of MS laths, 80 mm wide and 1.20 mm thick with locking arrangement, including hood cover, bottom lock plate, and painting with approved enamel paint.         Material: Mild steel     </li> <li>Size: As per opening (if required for security)</li> <li>Rate includes: Fabrication, installation, painting.</li> </ul>   | 10 x 10 feet = 2<br>shutter approx                            |
| 4.     | Sign Board/frond facade | <ul> <li>Description: Providing and fixing ACP cladding (3 mm thick) with wooden / ethnic design panel and backlit sign board with acrylic letters and LED lighting.</li> <li>Material:         <ul> <li>ACP panels (3 mm thick, PVDF coated)</li> <li>Acrylic letters (Laser cut) waterproof LED modules</li> <li>LED modules (waterproof)</li> </ul> </li> <li>Size: Full width (25 ft) × Height (as per design, generally 3–4 ft)</li> <li>Rate includes: Frame, ACP sheet fixing, electrical wiring for sign, and installation.</li> </ul>  | Full width (25 ft) × Height (as per design, generally 3–4 ft) |

|    | Display                   | 1. General Requirements   | Page   9    |
|----|---------------------------|---|-------------|
| 5. | Display Decorations areas | 1. General Requirements   |             |
|    | Decorations areas         | All materials shall be new, first quality.  |             |
|    |                           | Workmanship shall be in accordance with CPWD norms  | as per need |
|    |                           | and best trade practices.   | basis       |
|    |                           | The finish shall be smooth, aesthetically pleasing, and   |             |
|    |                           | durable, suitable for high-traffic commercial use.  |             |
|    |                           |   |             |
|    |                           | 2. Display Wall Panels  |             |
|    |                           | Material: 19 mm commercial plywood with laminate finish   |             |
|    |                           | (1 mm thick, shade approved by the architect).  |             |
|    |                           | Backing: 12 mm plywood with proper bracing for stability.  Biggs 12 mm plywood with proper bracing for stability.                       |             |
|    |                           | • Finish Options:  O Decorative laminate OR   |             |
|    |                           | <ul><li>Decorative fairmate OK</li><li>Veneer with PU polish.</li></ul>   |             |
|    |                           | Fixing: SS screws, concealed brackets, or aluminum  |             |
|    |                           | channels.   |             |
|    |                           | • Height: Full wall height (floor to ceiling), minimum 8'–10'   |             |
|    |                           | depending on floor height.  |             |
|    |                           | • Provision:  |             |
|    |                           | <ul> <li>Adjustable shelves using concealed channels<br/>(minimum thickness of 6 mm glass or laminated</li> </ul>                       |             |
|    |                           | MDF shelves).   |             |
|    |                           | <ul> <li>Hidden cable routing for lighting.</li> </ul>  |             |
|    |                           |   |             |
|    |                           | 3. Display Counters   |             |
|    |                           | Structure: 19 mm Plywood with laminate finish (approved)  |             |
|    |                           | shade).   |             |
|    |                           | • Top Finish:   |             |
|    |                           | <ul> <li>Toughened glass (8 mm thick) with polished edges</li> <li>Solid surface (e.g., Corian or equivalent).</li> </ul>               |             |
|    |                           | • Front Panel: Decorative laminate, PU paint, or veneer   |             |
|    |                           | finish.   |             |
|    |                           | • Size: Typically 3'-4' high and depth 2'-2.5'.   |             |
|    |                           | Storage: Lockable drawers and shelves inside counter.   |             |
|    |                           | Hardware: SS hinges, handles, soft-close channels (Hettich  |             |
|    |                           | or equivalent).   |             |
|    |                           |   |             |
|    |                           | 4. Ceiling Decoration (Display Area)  |             |
|    |                           | <ul> <li>Type: Gypsum false ceiling with recessed lighting.</li> <li>Board: 12.5 mm thick moisture-resistant gypsum board on</li> </ul> |             |
|    |                           | GI framework.   |             |
|    |                           | • Finish: Smooth finish with 2 coats of primer and 2 coats of   |             |
|    |                           | acrylic emulsion paint.   |             |
|    |                           | • Lighting Provision:   |             |
|    |                           | <ul> <li>LED spotlights for highlighting products.</li> </ul>   |             |
|    |                           | Cove lighting for ambiance.  Load Populary Adagnets strength for banging descretive.  |             |
|    |                           | <ul> <li>Load Bearing: Adequate strength for hanging decorative<br/>items or signage.</li> </ul>  |             |
|    |                           | items of signage.   |             |
|    |                           | 5. Floor Finish   |             |
|    |                           | • Material: Double-charged vitrified tiles (600x600 mm or   |             |
|    |                           | 800x800 mm), anti-skid, stain-resistant.  |             |
|    |                           | • Base: Cement mortar 1:4 bed with proper slope.  |             |
|    |                           | Joint Filling: Epoxy grout.   |             |
|    |                           | C Director Lighting   |             |
|    |                           | 6. Display Lighting   |             |
|    |                           | Tune: Treak lights and anothickts (LED 12-15 W) for   |             |
|    |                           | <ul> <li>Type: Track lights and spotlights (LED, 12–15 W) for<br/>highlighting crafts.</li> </ul>                                       |             |
|    |                           | <ul> <li>Color Temperature: 3000K (warm white) for handicraft</li> </ul>  |             |
|    |                           | products.   |             |
|    |                           | Control: Dimmable with separate circuits for different  |             |
| 1  | ĺ                         |   |             |

zones.

Brand: Philips / Havells / Wipro or equivalent.

|    |  |  | Page 10        |
|----|--|--|----------------|
|    |  | 7. Storage/Back-end Display Units  |                |
|    |  | Material: 19 mm commercial plywood with laminate.  |                |
|    |  | Shelving: Adjustable shelves with SS pins.   |                |
|    |  | Finish: Laminate matte finish.   |                |
|    |  | Finish. Lammate matte missi.   |                |
|    |  | 8. Signage & Graphics  |                |
|    |  | Material: Acrylic or ACP panel with vinyl graphics.  |                |
|    |  | • <b>Fixing</b> : Mechanical or adhesive fixing as per design.   |                |
|    |  | • Illumination: LED backlit signage for branding.  |                |
|    |  | 9. Glass Display & Partitions  |                |
|    |  |  |                |
|    |  | Glass: 12 mm toughened glass for partitions; 8 mm for showcases.   |                |
|    |  | Edge Finish: Polished with rounded corners.  |                |
|    |  | <ul> <li>Edge Finish: Polished with Tounded corners.</li> <li>Support: SS brackets and fittings (Dorma / Ozone or</li> </ul> |                |
|    |  | equivalent).   |                |
|    |  | 10. Painting & Finishing   |                |
|    |  | Walls: Acrylic emulsion paint (Asian / Nerolac / Dulux or  |                |
|    |  | equivalent).   |                |
|    |  | • <b>Preparation</b> : Putty + primer + two coats finish.  |                |
|    |  | Wooden Surfaces: PU polish or enamel paint as per design.  |                |
|    |  | 11. Electrical Fittings for Display  |                |
|    |  | Separate DB for showroom display area.   |                |
|    |  | Adequate number of sockets for decorative lights and   |                |
|    |  | display units.   |                |
|    |  | All wiring: FRLS copper wires (Polycab / Havells),   |                |
|    |  | concealed in PVC conduit.  |                |
|    | Dooles Cholyes                         | 1. General Guidelines  |                |
| 6. | Racks, Shelves,<br>Furnitures, office, | All works shall conform to CPWD specifications and   |                |
|    | sale and packing                       | relevant trade standards.  |                |
|    | counters                               | All plywood/boards to be BWR grade   | as per work on |
|    |  | All hardware shall be heavy-duty (Hettich, Ebco, or  | site           |
|    |  | equivalent).   |                |
|    |  | • <b>Polish/paint</b> as per architect-approved shade.   |                |
|    |  | <ul> <li>Measurements and payment as per work.</li> </ul>  |                |
|    |  | Mock-up samples to be approved before bulk production.   |                |
|    |  | 2. Wall-Mounted Display Racks & Shelves  |                |
|    |  | • Structure: 19 mm BWR plywood for horizontal shelves, 12  |                |
|    |  | mm for vertical partitions.  |                |
|    |  | • Finish:  |                |
|    |  | <ul> <li>Decorative laminate (1 mm thick) on exposed</li> </ul>  |                |
|    |  | surfaces, balancing laminate on inner side.  |                |
|    |  | • Veneer finish with PU polish (optional for premium   |                |
|    |  | look).   |                |
|    |  | • Supports:  • Concealed SS brackets / Aluminum channels   |                |
|    |  | embedded in wall.  |                |
|    |  | <ul> <li>Minimum load-bearing capacity: 25 kg per shelf.</li> </ul>  |                |
|    |  | Shelves Size:  |                |
|    |  | O Depth: 12" to 15" (as per design).   |                |
|    |  | o Thickness: 19 mm plywood.  |                |
|    |  | • Glass Shelves (if specified): 10 mm toughened glass with   |                |
|    |  | polished edges.  |                |
|    |  | Height: Full wall or up to 7 ft, adjustable spacing (minimum 200 mm)   |                |
|    |  | 300 mm).   |                |
|    | 1                                      | 1  |                |

# 3. Free-Standing Display Racks

- Frame: 19 mm plywood OR MS tubular frame (25x25 mm, 18 gauge) powder-coated.
- Shelves:
  - Plywood laminated shelves OR 10 mm toughened glass.
- Base:
  - o Plywood with laminate or stainless steel skirting.
- Finish: Laminate in approved shade, exposed edges with 2 mm PVC edge banding.
- **Dimensions**: Width: 3–4 ft, Depth: 1.5 ft, Height: 6–7 ft.

#### 4. Sale Counters (Cash/Display)

- Structure:
  - 19 mm BWR plywood for carcass with laminate finish.
  - o Inner shelves and drawers with balancing laminate.
- Top Finish:
  - 12 mm toughened glass with polished edges OR Solid Surface (Corian).
- **Front Panel**: Decorative laminate, PU painted MDF, or veneer polish.
- Dimensions:
  - o Height: 3 ft − 3'6"
  - o Depth: 2' 2'6"
  - o Length: As per layout.
- Storage: Lockable drawers with telescopic channels and adjustable shelves.
- Hardware: SS handles, hinges, and auto-closing drawer channels.

#### 5. Office Furniture

- Table:
  - O Size: 5 ft x 2.5 ft OR as per layout.
  - o 19 mm plywood structure with laminate finish and modesty panel.
  - Top with 1 mm laminate or 12 mm glass on top.
- Storage Units:
  - Side credenza (3 ft x 1.5 ft) with shutters and drawers
- Chairs:
  - Ergonomic, cushioned, adjustable height (Godrej/Featherlite equivalent).
- Conference Table (if applicable):
  - 8-10 ft length, plywood structure with veneer or laminate finish.

# 6. Packing Counter

- Structure:
  - o 19 mm BWR plywood with laminate finish.
  - o Heavy-duty for weight handling.
- Top Finish:
  - Post-formed laminate or solid surface.
- Storage:
  - Multiple shelves for packing material, lockable cabinet for stock.
- Dimensions:
  - o Height: 3 ft
  - o Depth: 2.5 ft
  - o Length: As per requirement (typically 6–8 ft).

|    |                         | 7 Hardware & Accessories  | rage   12            |
|----|-------------------------|---|----------------------|
|    |                         | <ul> <li>7. Hardware &amp; Accessories</li> <li>Hinges: Soft-close, SS (Hettich, Ebco, or equivalent).</li> <li>Drawer Channels: Heavy-duty telescopic channels.</li> <li>Handles: SS finish.</li> <li>Edge Banding: 2 mm PVC edge banding on all exposed edges.</li> <li>8. Finish</li> <li>Laminate Finish: 1 mm thick decorative laminate in approved shade (Greenlam, Merino, Century).</li> <li>Polish: PU or melamine polish for veneer surfaces.</li> <li>Paint: Two coats of PU or NC paint on MDF if specified.</li> <li>9. Electrical Provisions</li> <li>Provision for LED strip lighting inside display racks.</li> <li>All wiring concealed in PVC conduits, modular switches</li> </ul>   |                      |
|    |                         | (Legrand or equivalent).  |                      |
| 7. | Wall Putty & Plastering | 1. GENERAL REQUIREMENTS  All plastering and putty works shall comply with CPWD Specification  All materials should be approved brand  Workmanship should be as per good trade practice.  MATERIALS  1. Cement  Ordinary Portland Cement (OPC) 43 grade / PPC conforming.  Fresh and from approved source.  2. Sand  Fine aggregate shall conform,  Sand shall be clean, well-graded, and free from clay, silt, or organic matter.  3. Water  Potable, clean, and free from harmful substances.  4. Wall Putty  White Cement-based Putty of approved brand (JK Wall Putty, Birla White, or equivalent).  3. SURFACE PREPARATION  All walls shall be cleaned of dust, mortar droppings, and loose particles.  Wet the surface thoroughly before plastering.  Remove all efflorescence and apply a slurry coat of cement (cement: water ratio 1:1.5) before plaster.  4. PLASTERING WORK  4.1 Thickness  Internal Walls: 12 mm cement plaster (1:6) OR 15 mm (1:6) in two coats as specified.  External Walls: 18 mm cement plaster (1:6) in two coats OR as per design.  4.2 Mix Ratio  Cement: Sand = 1:6 for general plaster.  For finishing layer, ratio can be 1:4 for smooth finish.  4.3 Application  First Coat: 10 mm thick in 1:6 mix.  Second Coat: 6 mm thick in 1:4 mix (finish coat).  Apply undercoat, roughen surface for bonding before applying the finish coat. | approx 5000 sq. feet |
|    |                         | <ul> <li>4.4 Curing</li> <li>Cure plastered surface for minimum 7 days continuously.</li> </ul>   |                      |

|                  |  | Page   13            |
|------------------|--|----------------------|
|                  | 5. WALL PUTTY WORK  Apply after plaster is fully dry (minimum 15 days curing). First Coat: Apply 1–1.5 mm thick layer of wall putty using a putty blade. Second Coat: After drying, apply another 1 mm coat for smooth finish. Final Thickness: 2 mm approx. Smooth the surface by wet rubbing using emery paper after drying. Ensure a perfectly level and smooth finish before painting.  6. FINISHING AND TOLERANCES Finished plaster shall be true to plumb and smooth without cracks, hollows, or unevenness. Variation in flatness should not exceed 3 mm when checked with a 2 mm straight edge.  7. MEASUREMENT Plaster shall be measured in square feet of actual surface finished  8. MODE OF PAYMENT Payment shall be made on the basis of finished surface area in sq. feet. Rate to include: Surface preparation Material & labor Curing Scaffolding Complete finishing ready for painting  9. BRANDS (APPROVED) Wall Putty: Birla White / JK Wall Putty / Asian Paints Putty. Vement: ACC / UltraTech / Ambuja / JK. | rage   I             |
| 8. Wall Painting | Sand: Washed river sand.  1. GENERAL REQUIREMENTS  • Painting work shall be carried out strictly in accordance with CPWD Specifications.  • Paints and primers must be from approved brands  • All materials must be first quality, fresh stock, and approved by the Engineer-in-Charge.   | approx 1500 sq. feet |
|                  | <ul> <li>MATERIALS</li> <li>Primer for Plastered Surfaces:         <ul> <li>Water-based Cement Primer.</li> </ul> </li> <li>Putty:         <ul> <li>White Cement-based Wall Putty of approved brand (Birla White, JK, Asian Paints).</li> </ul> </li> <li>Paint Finish:         <ul> <li>Interior Walls: Plastic Emulsion Paint / Acrylic Distemper (washable).</li> <li>Exterior Walls: Exterior Acrylic Emulsion (weatherproof &amp; UV-resistant).</li> </ul> </li> <li>Brands (Approved):         <ul> <li>Asian Paints / Nerolac / Berger / Dulux / Shalimar.</li> </ul> </li> </ul>  |                      |
|                  | <ul> <li>3. SURFACE PREPARATION</li> <li>Ensure plaster is fully cured and dried (minimum 15 days after plastering).</li> <li>Clean surface of dust, grease, mortar droppings.</li> <li>Scrape off any loose paint or lime wash.</li> <li>Fill cracks with approved crack filler compound.</li> <li>Apply two coats of wall putty for a smooth finish, sand with emery paper after drying.</li> </ul>  |                      |

|    |                       |  | Page           |
|----|-----------------------|--|----------------|
|    |                       | 4. APPLICATION PROCEDURE 4.1 Primer  |                |
|    |                       | Apply one coat of water-thinkable cement primer on dry   |                |
|    |                       | plastered walls using brush or spray.  |                |
|    |                       | <ul> <li>Allow 6–8 hours drying before next coat.</li> <li>4.2 Wall Putty</li> </ul>   |                |
|    |                       | • Apply 1–2 mm thick wall putty in 2 coats for smoothness.   |                |
|    |                       | Rub down with fine emery paper after drying.   |                |
|    |                       | 4.3 Interior Painting  |                |
|    |                       | Apply two or more coats of Plastic Emulsion Paint  |                |
|    |                       | <ul> <li>(approved shade) over primer and putty finish.</li> <li>Each coat to be thinned with water as per manufacturer's</li> </ul> |                |
|    |                       | instructions and allowed to dry for minimum 6 hours before   |                |
|    |                       | next coat.   |                |
|    |                       | 4.4 Exterior Painting  |                |
|    |                       | <ul> <li>Apply primer coat of exterior primer.</li> <li>Apply two or more coats of Exterior Acrylic Emulsion</li> </ul>              |                |
|    |                       | (weatherproof).  |                |
|    |                       | <ul> <li>Minimum coverage: 4–5 m² per liter per coat depending on</li> </ul>   |                |
|    |                       | surface.   |                |
|    |                       | 5. PAINT FINISH TYPES  • Interior:   |                |
|    |                       | Option 1: Acrylic Washable Distemper –   |                |
|    |                       | Economical.  |                |
|    |                       | <ul> <li>Option 2: Premium Plastic Emulsion – Durable and<br/>smooth finish.</li> </ul>  |                |
|    |                       | Exterior:  |                |
|    |                       | Exterior Acrylic Emulsion with silicon additives for   |                |
|    |                       | waterproofing.   |                |
|    |                       | Good quality brushes, rollers, or spray gun.   |                |
|    |                       | <ul><li>Good quality brushes, rollers, or spray gun.</li><li>Sandpaper for surface preparation.</li></ul>                            |                |
|    |                       | Clean buckets and mixing paddles.  |                |
|    |                       | 7. CURING / DRYING   |                |
|    |                       | <ul> <li>No curing required for paint, but ensure each coat is<br/>completely dry before applying the next.</li> </ul>               |                |
|    |                       | 8. TOLERANCES & FINISH   |                |
|    |                       | <ul> <li>Painted surfaces shall be even, uniform, and free from</li> </ul>   |                |
|    |                       | <ul> <li>brush marks, cracks, or patches.</li> <li>Shade and finish shall be consistent across the entire surface.</li> </ul>        |                |
|    |                       | Shade and timish shall be consistent across the entire surface.      MEASUREMENT   |                |
|    |                       | Measured in square meters of painted surface.  |                |
|    |                       | • Deductions for openings exceeding 0.5 m <sup>2</sup>   |                |
|    |                       | 10. MODE OF PAYMENT  • Rate shall include:   |                |
|    |                       | <ul> <li>Rate shall include:</li> <li>Surface preparation (scraping, cleaning, putty</li> </ul>                                      |                |
|    |                       | work).   |                |
|    |                       | o Primer coat, two coats of paint.   |                |
|    |                       | <ul><li>Scaffolding and labor charges.</li><li>All tools and equipment.</li></ul>  |                |
|    |                       | 11. APPROVED BRANDS  |                |
|    |                       | • Plastic Emulsion / Exterior Paint: Asian Paints (Tractor /   |                |
|    |                       | Royale / Apex), Berger (WeatherCoat), Nerolac, Dulux.  • Primer: Asian / Berger / Nerolac.   |                |
|    |                       | • Putty: JK / Birla White / Asian Paints.  |                |
|    | W. 11.5               | ·  |                |
| ). | Wall Paneling<br>Work | 1. GENERAL REQUIREMENTS  |                |
|    |                       | Work shall be carried out as per:  | as per work or |
|    |                       | <ul> <li>Good industry practices for interior finishes.</li> </ul>   | site           |
|    |                       | • The paneling shall be <b>true to line</b> , <b>level</b> , <b>and plumb</b> , free   |                |
|    |                       | from warps and visible joints.  • Approved shop drawings to be followed for design,  |                |
|    |                       | dimensions, and joint details.   |                |
|    |                       |  |                |

#### 2. MATERIALS

#### 2.1 Base Framework

- Wooden Framework:
  - 2"x1" (50mm x 25mm) seasoned hardwood battens, moisture content 12% ± 2%.
  - Treated with anti-termite and preservative chemicals.
- Alternate Option:
  - o MS tube framework (25mm x 25mm, 18 gauge), powder-coated, rust-proof.

#### 2.2 Panel Surface

- Option 1: 12mm/19mm thick BWR grade plywood finished with:
  - o Decorative Laminate (1mm thick) OR
  - o Natural Veneer (0.6mm thick) with PU polish.
- Option 2: MDF board for PU paint finish.
- Option 3: ACP (Aluminum Composite Panel) for contemporary look.

# 2.3 Backing & Insulation

- Backside to have 6mm ply for rigidity where required.
- Acoustic or thermal insulation (Glass wool / Rock wool) if specified.

#### 2.4 Adhesive & Hardware

- Synthetic resin adhesive
- Screws: SS or brass, rust-proof.
- Joinery: Adhesive + Mechanical fixing.
- Edge Banding: 2mm PVC tape for laminate finish.

#### 3. SURFACE PREPARATION

- Wall surface shall be clean, dry, and level.
- Base framework fixed to wall using:
  - Dash fasteners at 600mm c/c horizontally and vertically.
- Framework spacing: 450–600mm c/c both directions.

#### 4. INSTALLATION

- **Step 1**: Fix framework with anti-termite treatment.
- **Step 2**: Apply plywood/MDF boards on framework with screws at 300mm c/c.
- Step 3: Finish with selected laminate/veneer/ACP using adhesive and edge banding.
- Step 4: For veneer sand and apply melamine/PU polish in 3 coats.
- Step 5: Provide skirting and edge trims as per design.

#### 5. FINISH

- Laminate Finish: 1mm thick decorative laminate (Greenlam/Merino/Century).
- Veneer Finish: PU polish (clear or stain as approved).
- **Painted Finish**: PU or NC paint over MDF with primer and sanding.

#### 6. JOINT DETAILS

- Joints shall be hairline and aligned.
- Provide grooves (6mm or as per design) between panels for aesthetics.
- No visible screw heads on finished surface.

# 7. MEASUREMENT

• Measured in square feets of the finished surface.

#### 8. MODE OF PAYMENT

- Rate includes:
  - o Framework, panels, laminate/veneer/ACP.
  - o Adhesive, hardware, polishing/finishing.
  - Scaffolding and labor charges.
- Complete in all respects as per approved design.

# 9. APPROVED BRANDS

- **Plywood**: Century / Greenply / Kitply.
- Laminate: Greenlam / Merino / Century.
- Veneer: Greenlam / Century / Durian.
- Polish: Asian / ICA / Sirca, Adhesive: Fevicol SH / Pidilite.

|     |                    |   | Page          | 16 |
|-----|--------------------|---|---------------|----|
| 10. | Floor Tiles & wall | 1. MATERIALS  | 4000 sq. feet |    |
|     | tiles              | Floor Tiles   | approx        |    |
|     |                    | <ul> <li>Type: Vitrified Tiles / Double Charged / Glazed Ceramic (as per design).</li> <li>Size: 600x600 mm or 800x800 mm (for showroom area), anti-skid for toilets.</li> <li>Water Absorption: &lt;0.08%</li> </ul>   |               |    |
|     |                    | Brands: Kajaria / Somany / Johnson / Nitco / Orient Bell / or equitant  |               |    |
|     |                    | Wall Tiles  |               |    |
|     |                    | Type: Ceramic Glazed Tiles for wall dado, size 300x600 mm or 450x600 mm.  |               |    |
|     |                    | <ul> <li>Finish: Glossy or matte as per approved design.</li> <li>Brands: Kajaria / Somany / Johnson / Nitco.</li> </ul>  |               |    |
|     |                    | Adhesive & Grout  |               |    |
|     |                    | <ul> <li>Tile Adhesive: Polymer-modified adhesive</li> <li>Grout: Epoxy or cement-based colored grout of approved make.</li> </ul>  |               |    |
|     |                    | Approved brands: Roff / MYK Laticrete / Weber / Bal.  |               |    |
|     |                    | 3. SURFACE PREPARATION  |               |    |
|     |                    | Base RCC/Plaster to be clean, level, and free from dust, grease, and laitance.  |               |    |
|     |                    | <ul> <li>Make the surface slightly rough for adhesion.</li> <li>Maintain proper slope in wet areas (to floor drain).</li> </ul>   |               |    |
|     |                    | 4. BEDDING & FIXING Floor Tiling  |               |    |
|     |                    | <ul> <li>Option 1:         <ul> <li>20 mm thick cement mortar bed (1:4) over base concrete.</li> <li>Apply neat cement slurry @ 3.3 kg/m² on bed.</li> <li>Fix tiles in line and level, lightly tapped with wooden mallet.</li> </ul> </li> <li>Option 2 (Preferred):         <ul> <li>Fix tiles using Tile Adhesive on clean RCC screed.</li> <li>Apply adhesive evenly with notched trowel (3-4 mm thickness).</li> </ul> </li> </ul> |               |    |
|     |                    | o Press tiles and ensure uniform contact.   |               |    |
|     |                    | <ul> <li>4.2 Wall Tiling</li> <li>Use tile adhesive for fixing wall tiles.</li> </ul>   |               |    |
|     |                    | <ul> <li>Ose the adhesive for fixing wait ties.</li> <li>Maintain uniform joints (1.5–3 mm) using spacers.</li> </ul>   |               |    |
|     |                    | 5. JOINT FILLING  |               |    |
|     |                    | <ul> <li>Fill tile joints with epoxy grout or cement-based colored grout after 24 hours of laying.</li> <li>Clean excess grout immediately.</li> </ul>  |               |    |
|     |                    | 6. CURING   |               |    |
|     |                    | <ul> <li>Cement mortar bed and joints to be cured for minimum 7<br/>days (if cement-based grout is used).</li> </ul>  |               |    |

|     |                    | 7 FINISHING   | rage   17            |
|-----|--------------------|---|----------------------|
|     |                    | <ul> <li>7. FINISHING</li> <li>Tiles shall be:         <ul> <li>True to line, level, and plumb.</li> <li>Free from lippage, cracks, and shade variation.</li> </ul> </li> <li>Joints to be uniform and neat.</li> <li>8. MEASUREMENT <ul> <li>Measured in square feet of finished tile surface.</li> </ul> </li> <li>9. MODE OF PAYMENT <ul> <li>Rate includes:         <ul> <li>Base preparation</li> <li>Adhesive / mortar bedding</li> </ul> </li> </ul></li></ul> |                      |
|     |                    | <ul> <li>Laying and joint filling</li> <li>Cleaning, curing, and scaffolding</li> <li>Complete in all respects as per design.</li> </ul>  |                      |
|     |                    | <ul> <li>10. APPROVED BRANDS</li> <li>Tiles: Kajaria, Somany, Johnson, Nitco, Orient Bell.</li> <li>Adhesive/Grout: MYK Laticrete, Roff, Weber.</li> <li>Spacers: Roff / MYK.</li> </ul>  |                      |
| 11. | False Ceiling Work | 1. GENERAL REQUIREMENTS  • False ceiling shall be installed as per CPWD specifications, relevant IS codes, and manufacturer's recommendations. • All materials must be approved make. • Contractor shall provide material samples, and obtain approval before execution. • Work includes:   | 2200 sq. feet approx |

#### B. Panels

- Gypsum Board: 12.5 mm thick, tapered edge
- Mineral Fiber Tiles: 595 mm × 595 mm, thickness 12 mm / 15 mm, NRC ≥ 0.55, Fire resistant.
- PVC Laminated Tiles: For wet area ceilings.

#### C. Jointing & Finishing

- **Jointing Tape**: Fiber tape 50 mm wide.
- Jointing Compound: As per standards
- **Primer & Paint**: Two coats primer, two coats emulsion paint / laminate finish.

#### 4. INSTALLATION DETAILS

- Mark ceiling level on all walls using laser level.
- Fix **perimeter channel** to walls with nylon sleeves & screws at 450 mm c/c.
- Suspend intermediate channels from ceiling slab using GI wire & cleats.
- Fix ceiling sections at 450 mm c/c.
- Place gypsum boards / tiles on framework, secure with screws (25 mm length).
- Provide cutouts for:
  - o Recessed lights / LED panels
  - o Air conditioning diffusers
  - Sprinklers / smoke detectors (if applicable)
- All cutouts to be finished with proper edge trims.

#### 5. PAINTING & FINISHING

- Apply two coats of primer and two coats of premium emulsion paint (shade approved by Engineer-in-Charge).
- Alternatively, laminated finish for luxury look in display areas.

#### 6. TESTING & QUALITY CHECK

- Check for:
  - Level tolerance: ±2 mm.
  - o Firmness of suspension.
  - o Smooth joints without visible cracks.
- Ensure no sagging under load.

# 7. APPROVED MAKES

- Framework: Gypsteel Ultra (Saint-Gobain), India Gypsum, USG Boral.
- Boards: Gyproc, USG Boral, Armstrong.
- Tiles: Armstrong, Gyproc, Aerolite.
- Paint: Asian Paints, Berger, Dulux.

#### 8. CPWD DSR REFERENCE

- 13.50 to 13.60 False ceiling with gypsum board / mineral fiber tiles.
- 13.62 Providing and fixing calcium silicate / PVC laminated ceiling.

# **⊘** RECOMMENDED

- Type: Gypsum Board False Ceiling in display & sales areas.
- Acoustic Mineral Fiber Ceiling Tiles in office / cashier areas for noise reduction.
- **Height**: Maintain clear height of 8'-10'.
- Integrated **lighting** (LED panels), AC vents, and decorative grooves.

|     |                           |   | Page         |
|-----|---------------------------|---|--------------|
| 12. | Drinking water dispenser, | 1. GENERAL REQUIREMENTS   | 01 Water     |
|     | Plumbing Work and         | All plumbing and sanitary works shall conform to:   | Dispenser    |
|     | Rest Room                 | • CPWD Specifications 2022 (Part – Plumbing)  | 1            |
|     | Accessories               | <ul> <li>Water supply fittings</li> </ul>   | and          |
|     |                           | Sanitary appliances  Lie first quality approved marked (accelent materials)   | other as per |
|     |                           | <ul> <li>Use first-quality approved marked / equalant materials.</li> <li>All installations shall be tested for leakproofness and performance before handover.</li> </ul>   | work on site |
|     |                           | 2. DRINKING WATER DISPENSER   |              |
|     |                           | Type: Floor Standing / Wall Mounted with Cooling facility.  |              |
|     |                           | • Capacity: 40–80 liters per hour cooling capacity (suitable  |              |
|     |                           | for staff & visitors).  |              |
|     |                           | Body: Stainless Steel, corrosion-resistant.  Compressor Hermatically scaled assafricately refrigerent.  |              |
|     |                           | <ul> <li>Compressor: Hermetically sealed, eco-friendly refrigerant<br/>(R134a or better).</li> </ul>  |              |
|     |                           | Water Outlet: Self-closing push-type faucet for hygienic dispensing.  |              |
|     |                           | <ul> <li>Electrical Requirement: 230V, 50 Hz, single phase.</li> <li>Brands: Blue Star, Usha, Voltas, Racold.</li> </ul>  |              |
|     |                           | 3. PLUMBING WORK  |              |
|     |                           | 3.1 Water Supply System   |              |
|     |                           |   |              |
|     |                           | Pipes:  |              |
|     |                           | <ul> <li>Internal: CPVC pipes with solvent cement joints</li> <li>Valves &amp; Fittings: Brass full-way valves</li> </ul>   |              |
|     |                           | • Pressure: Pipes shall withstand min. 10 kg/cm <sup>2</sup> .  |              |
|     |                           | 3.2 Drainage System   |              |
|     |                           | Pipes:  |              |
|     |                           | o Soil & Waste: UPVC SWR pipes (IS:13592) with  |              |
|     |                           | rubber ring joints.   |              |
|     |                           | <ul> <li>Ventilation pipes</li> <li>Slope: Min. 1 in 40 for waste pipes, 1 in 60 for soil pipes.</li> </ul>   |              |
|     |                           | • Traps: Floor traps – SS gratings, deep seal.  |              |
|     |                           | 3.3 Water Storage   |              |
|     |                           | <ul> <li>Overhead Tank: HDPE/LLDPE tank of required capacity<br/>with lockable cover.</li> </ul>  |              |
|     |                           | • Float Valve: Brass, heavy-duty.   |              |
|     |                           | 3.4 Fixtures & Fittings   |              |
|     |                           | • Wash Basins: Vitreous china, size 550x400 mm.   |              |
|     |                           | • WC (Toilets): Floor-mounted European type, S/P trap, white  |              |
|     |                           | color.  |              |
|     |                           | <ul> <li>Urinals: Ceramic, with automatic flush valve.</li> <li>Taps: Chromium-plated brass taps</li> </ul>   |              |
|     |                           | <ul> <li>Health Faucet: ABS, flexible pipe, wall bracket.</li> </ul>  |              |
|     |                           | Mirror: 5 mm beveled edge with SS frame.  |              |
|     |                           | 4. RESTROOM ACCESSORIES   |              |
|     |                           | Soap Dispenser: Wall-mounted, ABS/SS, 500 ml capacity.  Tayyol Dispenser: Payantayyol on long dispenser (automatical).  |              |
|     |                           | • Towel Dispenser: Paper towel or hand dryer (automatic, 1000–1500 W).  |              |
|     |                           | • Grab Bar: SS, 32 mm dia, in handicapped toilets.  |              |
|     |                           | Dustbins: SS pedal-operated bins.  Public Street Stre |              |
|     |                           | <ul> <li>Exhaust Fan: PVC frame, 230 mm dia, 1400 rpm.</li> <li>Toilet Roll Holder: SS, wall-mounted</li> </ul>   |              |
| 1   | i i                       | ▼ Toner Non Honder: 55 Wan-mounted  | i .          |

Toilet Roll Holder : SS, wall-mounted.

Urinal Screen: Frosted glass or compact laminate partition.

|     |   |  | rage   20           |
|-----|---|--|---------------------|
|     |   | 5. INSTALLATION & TESTING  |                     |
|     |   | <ul> <li>Water lines shall be pressure-tested at 1.5 times operating pressure.</li> <li>All sanitary fittings shall be securely fixed, aligned, and sealed.</li> </ul>   |                     |
|     |   | <ul> <li>Leak test for drainage system before flooring.</li> </ul>   |                     |
|     |   | 6. MEASUREMENT & PAYMENT   |                     |
|     |   | <ul> <li>Measured in:         <ul> <li>Running feet for pipes.</li> <li>Each for fixtures and accessories.</li> </ul> </li> <li>Rate includes:         <ul> <li>Material, labor, fittings, adhesive, testing, and scaffolding.</li> </ul> </li> <li>Complete in all respects as per design.</li> </ul>   |                     |
| 12  | Electrical Fitting,                                 | 1. LIGHTING SYSTEM   |                     |
| 13. | Electrical Fitting,<br>Lightings/sound<br>and solar |  | as per work on site |
|     |   | <ul> <li>4. SOUND SYSTEM         <ul> <li>PA System:</li> <li>○ Ceiling-mounted speakers (6W to 15W) in showroom areas.</li> <li>○ Wall-mounted speakers for display zones.</li> <li>○ Audio Mixer + Amplifier + Microphones.</li> </ul> </li> <li>Cable:         <ul> <li>○ OFC (Oxygen Free Copper) Speaker Cables.</li> </ul> </li> <li>Brands: Bosch, Ahuja, JBL or other brand (for high-quality audio).</li> </ul> |                     |

|     |                   |  | Page      | 21 |
|-----|-------------------|--|-----------|----|
|     |                   | 5. SOLAR POWER SYSTEM  |           |    |
|     |                   | 5.1 System Type  |           |    |
|     |                   |  |           |    |
|     |                   | Grid-tied Solar PV System with Net Metering as per local   |           |    |
|     |                   | DISCOM norms.  |           |    |
|     |                   | • Capacity: 5-10 kWp (depending on roof space & load   |           |    |
|     |                   | requirement).  |           |    |
|     |                   |  |           |    |
|     |                   | 5.2 Components   |           |    |
|     |                   |  |           |    |
|     |                   | Solar Panels:  Many PERC on Polymentalling   |           |    |
|     |                   | o Mono PERC or Polycrystalline   |           |    |
|     |                   | <ul><li>o Efficiency: ≥18%.</li><li>• Inverter:</li></ul>  |           |    |
|     |                   | MPPT-based String Inverter, IEC 61683 compliant.   |           |    |
|     |                   | Mounting Structure:  |           |    |
|     |                   | <ul> <li>Hot-dip galvanized steel, wind load resistance</li> </ul>   |           |    |
|     |                   | • Cables & Junction Boxes:   |           |    |
|     |                   | o UV-resistant   |           |    |
|     |                   | 50 F. J. O. P.   |           |    |
|     |                   | 5.3 Earthing & Protection  |           |    |
|     |                   | DOD 41 6 DV  |           |    |
|     |                   | DC Earthing for PV modules.  AC Fourthing for investor output  |           |    |
|     |                   | AC Earthing for inverter output.  SPD for surge protection.  |           |    |
|     |                   | SPD for surge protection.  |           |    |
|     |                   | 5.4 Performance Guarantee  |           |    |
|     |                   | 3.71 Ciformance Guarantee  |           |    |
|     |                   | Minimum 25 years for panels (80% output).  |           |    |
|     |                   | • 5-year warranty on inverter.   |           |    |
|     |                   |  |           |    |
|     |                   | 6. INSTALLATION STANDARDS  |           |    |
|     |                   |  |           |    |
|     |                   | Testing & Commissioning to be done before handover.  |           |    |
|     |                   | 7. MEASUREMENT & PAYMENT   |           |    |
|     |                   | Lighting & fitting work measured in points or per item   |           |    |
|     |                   | basis.   |           |    |
|     |                   | • Solar system in <b>kWp</b> .   |           |    |
|     |                   | <ul> <li>Sound system on lump sum or per device basis.</li> </ul>  |           |    |
|     |                   | 8. APPROVED MAKES  |           |    |
|     |                   | WITTEN THE THE PARTY OF THE PAR |           |    |
|     |                   | Lighting: Philips, Havells, Crompton, Wipro or equilaint   |           |    |
|     |                   | Switchgear: Schneider, L&T, Legrand or equilaint   |           |    |
|     |                   | Cables: Polycab, Finolex, RR Kabel or equilaint  |           |    |
|     |                   | Solar Panels: Adani, Vikram, Waaree or equilaint   |           |    |
|     |                   | Inverter: SMA, ABB, Delta or equilaint     Sound System Basely Abysis IBL or equilaint   |           |    |
|     |                   | Sound System: Bosch, Ahuja, JBL or equilaint   |           |    |
|     |                   |  |           |    |
| 14. | Air- Conditioners | 1. GENERAL REQUIREMENTS  |           |    |
|     |                   | • All AC units shall be eco-friendly refrigerant compliant   | 0.6       |    |
|     |                   | Installation to be done by authorized service providers of   | 06 approx |    |
|     |                   | OEM. 2. TYPE OF AIR CONDITIONERS   |           |    |
|     |                   | For a 1800 sq. ft., two-story showroom, recommended AC system:   |           |    |
|     |                   | Showroom Area (Ground & First Floor)   |           |    |
|     |                   | Type: High Wall Split AC or Cassette AC for better   |           |    |
|     |                   | aesthetics.  |           |    |
|     |                   | • Capacity:  |           |    |
|     |                   | o Showroom area: 8–12 TR (divided into multiple units 2, 3 TP each)  |           |    |
|     |                   | units, 2–3 TR each).  Office/Manager Room: 1.5–2.0 TR split AC.  |           |    |
| I   | +                 | o Theoretainager Room. 1.3-2.0 TR spin Ac.   | l         |    |

|     |                    |  | rage   ZZ      |
|-----|--------------------|--|----------------|
|     |                    | • Features:  |                |
|     |                    | <ul> <li>Inverter Technology for energy efficiency.</li> </ul>       |                |
|     |                    | <ul> <li>Anti-bacterial &amp; dust filters.</li> </ul>               |                |
|     |                    | <ul> <li>Auto restart and timer functions.</li> </ul>                |                |
|     |                    | <ul> <li>Low-noise operation.</li> </ul>                             |                |
|     |                    | Packing/Store Area   |                |
|     |                    | • Type: Split AC or Ductable Unit (if required).                     |                |
|     |                    | • Capacity: 1.5 TR – 2 TR per room.                                  |                |
|     |                    | 3. TECHNICAL SPECIFICATIONS  |                |
|     |                    | • Power Supply: 230V ±10%, 50 Hz, single-phase for units             |                |
|     |                    | ≤3 TR.   |                |
|     |                    | Compressor: Rotary / Scroll, Hermetically Sealed.                    |                |
|     |                    | Indoor Unit:   |                |
|     |                    |  |                |
|     |                    | o Noise Level: ≤45 dB.   |                |
|     |                    | o Remote Control with LCD display.                                   |                |
|     |                    | Outdoor Unit:  |                |
|     |                    | <ul> <li>Weatherproof, anti-corrosion body.</li> </ul>               |                |
|     |                    | <ul> <li>Copper condenser coil for durability.</li> </ul>            |                |
|     |                    | • <b>Refrigerant</b> : R-32 / R-410A (ozone-friendly, zero ODP).     |                |
|     |                    | 4. INSTALLATION REQUIREMENTS   |                |
|     |                    | Mounting:  |                |
|     |                    | <ul> <li>Indoor units fixed using MS brackets and rubber</li> </ul>  |                |
|     |                    | pads for vibration control.  |                |
|     |                    | <ul> <li>Outdoor units on GI/SS stand with anti-vibration</li> </ul> |                |
|     |                    | pads.  |                |
|     |                    | Copper Piping:   |                |
|     |                    | o ISI-marked, insulated with Nitrile rubber (min. 9                  |                |
|     |                    | mm thick).   |                |
|     |                    | o Proper flare joints with brass nuts.                               |                |
|     |                    | Drainage:  |                |
|     |                    | PVC drain pipe for condensate, slope for gravity                     |                |
|     |                    | flow.  |                |
|     |                    | • Electrical:  |                |
|     |                    |  |                |
|     |                    | o Separate circuit with MCB for each AC.                             |                |
|     |                    | o Proper earthing.   |                |
|     |                    | 5. TESTING & COMMISSIONING   |                |
|     |                    | Vacuuming of refrigerant lines using a vacuum pump.                  |                |
|     |                    | Nitrogen pressure testing for leak detection.                        |                |
|     |                    | Checking current, voltage, and cooling performance.                  |                |
|     |                    | Demonstration and handover with manuals.                             |                |
|     |                    | 6. MEASUREMENT & PAYMENT   |                |
|     |                    | <ul> <li>Per number of units installed, including:</li> </ul>        |                |
|     |                    | <ul> <li>Indoor &amp; outdoor unit installation.</li> </ul>          |                |
|     |                    | <ul> <li>Copper piping, insulation, drain pipe.</li> </ul>           |                |
|     |                    | <ul> <li>Gas charging, electrical wiring up to isolator.</li> </ul>  |                |
|     |                    | 7. APPROVED MAKES  |                |
|     |                    | AC Units: Daikin, Mitsubishi, Blue Star, Carrier, Voltas,            |                |
|     |                    | Hitachi,BPL,.  |                |
|     |                    | • Copper Tubing: Mandey / Rajco / Maxflow.                           |                |
|     |                    | • Insulation: Armaflex / Supreme.                                    |                |
|     |                    | Drain Pipes: Astral / Supreme.                                       |                |
| 15. | Computers,         | 1. GENERAL REQUIREMENTS  | as per         |
|     | software, Printers | • All IT equipment must be brand new, latest generation,             | specifications |
|     |                    | and energy efficient.  |                |
|     |                    | All equipment shall come with minimum 1-year onsite                  |                |
|     |                    | warranty, and original manufacturer authorization                    |                |
|     |                    | certificate (if required).   |                |
|     |                    | All software must be genuine, licensed, and pre-installed            |                |
|     |                    | where applicable.  |                |
|     |                    | 2. COMPUTERS   |                |
|     |                    | 2.1 Desktop Computers  |                |
|     |                    |  |                |
|     |                    | Processor: Intel Core i5 12th Gen / AMD Ryzen 5 (or bigher)          |                |
|     |                    | higher).   |                |
|     |                    | • Clock Speed: Base frequency 2.5 GHz or higher.                     |                |
|     |                    | • RAM: 8 GB DDR4 (expandable to 16 GB).                              |                |
|     |                    | Storage: 512 GB SSD (NVMe) or 256 GB SSD + 1 TB  HDD                 |                |
|     |                    | HDD.   |                |
|     |                    | Graphics: Integrated Intel UHD or AMD Radeon.                        |                |
|     |                    |  |                |

- **Display**: 21.5" LED Monitor (Full HD).
- Networking:
  - o Gigabit Ethernet Port.
  - o Wi-Fi 802.11ac and Bluetooth 5.0.
- Ports:
  - Minimum 4 USB (including USB 3.0), HDMI, Audio Jack.
- **OS**: Windows 11 Professional (64-bit) licensed copy.
- Keyboard & Mouse: wired/wireless set.

Approved Makes:

HP / Dell / Lenovo / Acer.

# 2.2 Laptops (Optional – For Billing/Manager Use)

- **Processor**: Intel Core i5 12th Gen / AMD Ryzen 5.
- RAM: 8 GB DDR4.Storage: 512 GB SSD.
- **Display**: 14" Full HD, Anti-glare.
- **OS**: Windows 11 Professional.
- Ports: HDMI, USB 3.0, USB-C, Audio.
- Weight: Less than 1.8 kg.

Approved Makes:

HP / Dell / Lenovo.

#### 3. SOFTWARE

- Operating System: Windows 11 Pro (licensed).
- Office Suite: MS Office 2021 (Home & Business) OR Office 365 subscription.
- Accounting/Inventory Software:
  - o TallyPrime (for GST compliance).
  - OR ERP system as per user requirement.
- Antivirus: Quick Heal / Kaspersky / McAfee 3-year license.
- **Billing Software**: Retail POS software (multi-user license) compatible with printers & barcode scanners.

#### 4. PRINTERS

- 4.1 Laser Printer (Monochrome)
  - **Print Speed**: 20–25 pages per minute.
  - **Print Resolution**: 600 x 600 dpi.
  - Connectivity: USB 2.0 and Wi-Fi.
  - **Duty Cycle**: 5,000 pages per month.
  - **Toner**: Easy refill or cartridge replacement.
  - Example Models: HP LaserJet Pro M126, Canon LBP 6030.
- 4.2 Multifunction Printer (MFP)
  - Functions: Print, Scan, Copy.
  - Type: Laser, A4 size.
  - **Print Speed**: 20 ppm or more.
  - Connectivity: USB, Wi-Fi (optional).
  - ADF (Automatic Document Feeder): Preferred.
- 4.3 Color Printer (For Marketing Material)
  - Type: Inkjet or Laser.
  - **Resolution**: Minimum 1200 x 1200 dpi.
  - Connectivity: USB/Wi-Fi.
  - **Preferred Brands**: HP, Canon, Epson.

#### **5. PERIPHERALS**

- **Barcode Scanner**: Handheld, USB interface, 1D/2D barcode capable.
- Thermal Printer: For billing slips (80 mm width).
- UPS: 1 KVA with minimum 30 minutes backup for computers & printers.

# 6. INSTALLATION & COMMISSIONING

- Proper wiring and LAN setup for billing counters and office.
- Printer & software configuration for billing system.
- Network sharing setup for printers.
- Training for staff on software usage (Tally / POS system).

# 7. WARRANTY & MAINTENANCE

- Minimum 1-year onsite warranty on all hardware.
- OEM certified maintenance & AMC option after warranty.

|     |                 |  | Page   <b>24</b> |
|-----|-----------------|--|------------------|
|     |                 | 8. APPROVED MAKES  |                  |
|     |                 | <ul> <li>Desktops/Laptops: HP, Dell, Lenovo, Acer.</li> </ul>                          |                  |
|     |                 | Printers: HP, Canon, Epson.  |                  |
|     |                 | Software: Microsoft, Tally, Quick Heal.  |                  |
|     |                 | UPS: APC, Numeric.   |                  |
| 16. | Security Camera | 1. GENERAL REQUIREMENTS  | 08 CCTV          |
|     | Installation &  | The CCTV system shall comply with:   | System and 01    |
|     | Display         | o CPWD Electrical Works Specifications   | Display Unit     |
|     | 1 3             | o IT Equipment Safety  | 1 3              |
|     |                 | o BIS/ISI Certification for cables & accessories.                                      |                  |
|     |                 | System must include High Definition IP cameras, Network                                |                  |
|     |                 | Video Recorder (NVR), Display Monitor, Structured                                      |                  |
|     |                 | Cabling, and Power Backup.   |                  |
|     |                 | All equipment should have minimum 1-year warranty and                                  |                  |
|     |                 | OEM authorization.   |                  |
|     |                 | Complete installation, configuration, and testing by certified                         |                  |
|     |                 | professionals.   |                  |
|     |                 | 2. CCTV SYSTEM COMPONENTS  |                  |
|     |                 | 2.1 Cameras  |                  |
|     |                 | • Type: IP Dome & Bullet Cameras (Day/Night, IR).                                      |                  |
|     |                 | Resolution: Minimum 2 MP Full HD (1080p) or higher.                                    |                  |
|     |                 | • Lens: 2.8 mm or 3.6 mm fixed lens.   |                  |
|     |                 |  |                  |
|     |                 | • Features:  |                  |
|     |                 | o IR Night Vision (up to 30 m).  |                  |
|     |                 | Motion Detection, Wide Dynamic Range.  Language Protection, ID6 for outdoor agreement. |                  |
|     |                 | • Ingress Protection: IP6 for outdoor cameras.   |                  |
|     |                 | Material: Metal housing for outdoor, vandal-proof dome for                             |                  |
|     |                 | indoor.  |                  |
|     |                 | Recommended Camera Locations   |                  |
|     |                 | Showroom Entry/Exit: 2 Bullet Cameras.   |                  |
|     |                 | • Cash Counter: 1 Dome Camera.   |                  |
|     |                 | Display Area: 2 Dome Cameras.  |                  |
|     |                 | • First Floor: 2 Dome Cameras.   |                  |
|     |                 | • Store/Back Area: 1 Dome Camera.  |                  |
|     |                 | 2.2 NVR (Network Video Recorder)   |                  |
|     |                 | • Channels: Minimum 8-channel NVR for future expansion.                                |                  |
|     |                 | • Recording Resolution: 1080p or higher.   |                  |
|     |                 | • Storage: 2 TB Surveillance Grade HDD (expandable to 6                                |                  |
|     |                 | TB).   |                  |
|     |                 | • Features:  |                  |
|     |                 | <ul> <li>HDMI/VGA Output for display.</li> </ul>                                       |                  |
|     |                 | <ul> <li>Remote viewing via mobile app.</li> </ul>                                     |                  |
|     |                 | o Backup via USB.  |                  |
|     |                 | 2.3 Display Monitor  |                  |
|     |                 | • Size: 32" LED Monitor, Full HD (1920x1080).  |                  |
|     |                 | • Type: LED backlit, wall-mounted near the security desk or                            |                  |
|     |                 | manager cabin.   |                  |
|     |                 | 2.4 Networking & Accessories   |                  |
|     |                 | • Switch: 8-Port Gigabit POE Switch (for IP Cameras).                                  |                  |
|     |                 | • Cables: CAT-6 UTP Cable with ISI marking.  |                  |
|     |                 | • Connectors: RJ-45 with crimping.   |                  |
|     |                 | <ul> <li>Conduits: ISI-marked PVC conduit with accessories.</li> </ul>                 |                  |
|     |                 | <ul> <li>Power Backup: UPS 1 KVA for 30 minutes backup.</li> </ul>                     |                  |
|     |                 |  |                  |
|     |                 | 3. INSTALLATION REQUIREMENTS   |                  |
|     |                 | <ul> <li>All cameras should be mounted on MS brackets with</li> </ul>                  |                  |
|     |                 | anchor fasteners.  |                  |
|     |                 | Cable routing in concealed conduits with proper junction                               |                  |
|     |                 | boxes.   |                  |
|     |                 | <ul> <li>NVR installed in a locked rack/cabinet.</li> </ul>                            |                  |
|     |                 | <ul> <li>Label all cables for easy maintenance.</li> </ul>                             |                  |
|     |                 | <ul> <li>Provide LAN connectivity for remote access.</li> </ul>                        |                  |
|     |                 | Complete system testing before handover.   |                  |
|     |                 | 4. DISPLAY & CONTROL   |                  |
|     |                 | • 32" LED monitor for live view.   |                  |
|     |                 | <ul> <li>Option for split screen (4/8 view).</li> </ul>                                |                  |
|     |                 | <ul> <li>Provide mobile app and PC software for remote viewing.</li> </ul>             |                  |
|     |                 | The same upp und I o solemule for femole viewing.                                      |                  |
|     | 1               | <u> </u>   | I .              |

| S. TESTING & COMMISSIONING  Test all cameras for:  Resolution and clarity.  Resolution and clarity.  Resolution and clarity.  NVR recording and playback.  Demonstrate five view, playback, and mobile app integration.  6. MEASUREMENT & PAYMENT  Per unit basis for cameras, NVR. monitor, cubling (per meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  Cameras & NVR: Hikvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, Dell. Cables: D-link, Finoles.  UPS: APC, Numeric.  17.  Fire Extinguishers  [Fire extinguishers shall conform to:  Price vitinguishers shall conform to:  Price vitinguishers shall conform to:  Price vitinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  Fire extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  Fach extinguishers shall be Drand new, scaled, and provided with wall-mounting brackets.  Fach extinguishers shall be Drand new, scaled, and provided with wall-mounting brackets.  Price vitinguishers shall be Drand new, scaled, and provided with wall-mounting brackets.  Price vitinguishers brand be Drand new, scaled, and provided with wall-mounting brackets.  Price vitinguishers brand be Drand new, scaled, and provided with wall-mounting brackets.  Price vitinguishers brand brand news.  Discharge nozzle and hose.  Discharge nozzle and hose.  Discharge nozzle and hose.  Propulant: Not price pr |     |                    |  | Page      | 25 |
|--|-----|--------------------|--|-----------|----|
| Test all cameras for:  Runctionality at night.  NYR recording and playback.  Demonstrate live view, playback, and mobile app integration.  MEASUREMENT & PAYMENT  Per unit basis for cameras, NNR, monitor, cabling (per meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7.APPROVED MAKES  Cameras & NNR: likvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, GP.  Cables: D-Link, Findles.  Pire extinguishers shall conform to:  Fire extinguishers shall conform to:  Portuble Fire Extinguishers (Latest Revision)  Selection, Installation, and Maintenance  Requirements for CO; Type Extinguishers  Installation height max 15 m from floor (evel.)  Fire extinguishers shall be brand new, sealed, and provided with wall-mounting bractets.  Installation height max 15 m from floor (evel.)  Fire extinguishers must have:  Discharge nozel and hose.  Pressure gauge for DCP/ARC types.  Discharge to pass of monitoria and reful instructions.  Types & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  21.ABC Dry Powder Type Extinguisher  Media: Mono-Ammonium Phosphate Dry Chemical Powder  Propellant: NitrogenCO; Cartridge  Media: Mono-Ammonium Phosphate Dry Chemical Powder  Propellant: NitrogenCO; Cartridge  Discharge Time: Min 13 see  Test Pressure: 15 kg/cm²  Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  Location: Main showroom area, near entrance & cash counter.  2. CO: Type Fire Extinguisher  Capacity: 4.5 kg  Media: Action Dioxide  Discharge Time: Min 15 see  Application: Fleetrical Panels, Server, Computer Area  Location: Main showroom area, for option and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for wooden hunderafts storage)  Capacity: 9 liters  Media: Water  Application: Fleetrical Panels, Server, Lomputer Area  Location: The capacity of the computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for  |     |                    | 5. TESTING & COMMISSIONING   |           | ·  |
| Resolution and clarity.  If functionality at night,  NVR recording and playback.  Demonstrate live view, playback, and mobile app integration.  6. MEASUREMENT & PAYMENT  Per unit basis for cameras, NVR, monitor, cabling (per meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  Cameras & NVR. Hikvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, Dell. Cables: D-Link, Finnles.  UPS: APC, Numeric.  17. Fire Extinguishers & NVR. Hikvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, Dell. Cables: D-Link, Finnles.  UPS: APC, Numeric.  18. Fire extinguishers shall be Control to: Fire extinguishers shall be Demail for Fire kinguisher.  Fire extinguishers shall be brand new, scaled, and provided with wall-mourting brackets.  Fire extinguishers shall be brand new, scaled, and provided with wall-mourting brackets.  Fach extinguishers shall be brand new, scaled, and provided with wall-mourting brackets.  Fach extinguishers shall be Drand new, scaled, and provided with wall-mourting brackets.  Pressure gauge for DCPABC types.  Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REGUIRED  For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  Capacity; 6 kg. Media: Mono-Ammonium Phosphate Dry Chemical Powder  Propellant: NitrogenCoC cartridge  Discharge Time: Min 13 sec  Test Pressure: 15 kg/cm?  Application: Class A (wood, paper, cloth), Class B (Hammable liquids), Class C (electrical fires)  Application: Class A (wood, paper, cloth), Class B (Hammable liquids), Class C (electrical fires)  Application: Class A (wood, paper, cloth), Class B (Hammable liquids), Class C (electrical fires)  Application: Test and the state of the part of |     |                    |  |           |    |
| o IR functionality at night.  o NYR recording and playback.  Demonstrate live view, playback, and mobile app integration.  6. MEASUREMENT & PAYMENT  Per unit basis for cameras, NNR, monitor, cabling (per meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  Cameras & NNR. Hikvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, Dell. Cablet: D-Link, Finolex.  UPS-APC, Numeric.  UPS-APC, Numeric.  I Grinkrad I. RFQUIR FRNTS  I. Grinkrad I. RFQUIR FRNTS  Fire extinguishers shall conform to: O Potruble Fire Extinguishers (Latest Revision) O Selection, Installation, and Maintenance O Requirements for CO: Type Extinguishers Installation height max 1.5 in from floor level. Fire extinguishers shall be brand new, sended, and provided with wall-mounting brackets.  Each extinguishers shall be brand new, sended, and provided with wall-mounting brackets.  Discharge nozzle and hose. O Pressure gauge for DEP/ABC types. O Dato of manufacture and refill instructions.  I TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Day Fowder Type Extinguisher  Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: NitrogenCO. Cartridge Discharge Time: Min 13 sec Test Pressure: 15 kg/cm² Application: Class A (wood, paper, eloth), Class B (Hammable liquids), Class Celectrical fires) Location: Main showroom area, near enfrance & cash counter,  2.2 CO: Type Fire Extinguisher  Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 sec Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for nooden handicrafts storage) Capacity: 4.5 kg Media: Monore Class A fires only (wood, paper)  Capacity: 4.5 k |     |                    |  |           |    |
| O NVR recording and playback.  Demonstrate live view, playback, and mobile app integration.  6. MEASUREMENT & PAYMENT  Per unit basis for cameras, NVR, monitor, cabling (per metch), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  Cameras & NVR. Hikvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, Dell. Cables: D-Link, Finoles.  UPS: APC, Numeric.  17. Fire Extinguishers  Increase and Maintenance Selection, Installation, and Maintenance Selection installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  Each extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  Each extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  Each extinguishers for DePAED (types Discharge mozzle and hose.  Pressure gauge for DePAED (types) Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden icms, fibrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: NitrogenCOC Cartridge Discharge Time: NitrogenCOC Cartridge Discharge Time: NitrogenCOC Cartridge Discharge Time: Min 13 sec  Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom are, near entrance & cash counter.  2.2 COC Type Fire Extinguisher  Capacity: 4.5 kg Media: Caton Dioxide Discharge Time: Min 15 sec Application: Class A (wood, paper, cloth), Class B (Mainty), Andrew College Propellant (Mainty), Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (fi large quantity of wood prod |     |                    |  |           |    |
| Demonstrate live view, playback, and mobile app integration.  6. MEASUREMENT & PAYMENT Per unit basis for cameras, NVR, monitor, cabling (per meter), and accessories. Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES Cameras & NVR. Hikvision, CP Plus, Dahua, Honeywell. Monitor: LG, Samsun, Dell. Cables, D-Link, Finolex.  USS, APC, Numeric. Fire extinguishers J. I. GENERAL REQUIREMENTS Fire extinguishers shall conform to: Protrable Fire Extinguishers (Latest Revision) Selection, Installation, and Maintenance Requirements for CO: Type Fixtinguishers Installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets. Each extinguishers hab hove on Discharge nozzle and nose. Discharge nozzle and nose. Discharge nozzle and nose. 2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handleraff showroom (wooden items, fabries, electrical fittings), the following types are recommended: 2.1 AIC Dry Powder Type Extinguisher Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellam: NitrogenCO: Cartridge Discharge Time: Min 13 see Test Pressure: 15 kg/em? Application: Electrical Fixes) Location: Main showroom area, near entrance & cash counter. 2.2 CO: Type Fire Extinguisher  2.2 CO: Type Fire Extinguisher  2.2 CO: Type Fire Extinguisher  Capacity: 3 kg Media: Carbon Dioxide Discharge Time: Min 15 see Application: Electrical Panels, Server, Computer Area Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher  Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Greater, near billing and computer section. 2.3 Water CO: Type Fire Extinguisher (Optional—for wooden handlerafts storage)  Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products). 3. QUANTITY & PLACEMENTO: Non. main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQ |     |                    |  |           |    |
| integration.  6. MEASUREMENT & PAYMENT  Per unit basis for cameras, NVR, monitor, cabling (per meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  Cameras & NNR. Hillwision, CP Plus, Dahua, Honeywell. Monitor: LG, Samsung, Dell.  Cables: D-Link, Finolex.  UPS: APC, Numeric.  17. Fire Extinguishers  1. GENERAL REQUIREMENTS  Fire extinguishers hall conform to: Portable Fire Extinguishers (Latest Revision) Selection, Installation, and Maintenance Requirements for CO: Type Extinguishers  Installation beight max 1.5 m from floor level. Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets. Each extinguishers must have: Date of manufacture and refill instructions.  2. Types & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended: 2.1 ABC Dry Powder Type Extinguisher  Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO: Cartridge Discharge Time: Min 13 see Test Pressure: 15 kg/cm? Application: Class A (wood, paper, cloth), Class B (filammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher  Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 see Application: Class A fires only (wood, paper) Location: Office area, near billing and computer section. 2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area of large quantity of wood products). 3. QUANTITY & PLACEMENT (NBC Norms) Minimum Lextinguisher for every 100 sq. m area. For 1800 sq. ft. (-16 sq. m), minimum: ABC Type (6 kg) – 4 Nos. Co. Type (7.5 kg) – 2 Nos. Co. Type (7.5 kg) – 2 Nos. Portable signage and operation instructions above each extinguisher.   |     |                    |  |           |    |
| 6. MEASUREMENT & PAYMENT Per unit basis for cameras, NVR, monitor, cabling (per meter), and accessories. Rate includes supply, installation, commissioning, and testing. 7. APPROVED MAKES Cameras & NVR: Hikvision, CP Plus, Dahua, Honeywell. Monitor: LG, Samsung, Dell. Cables: D-Link, Finoloc. UBS: APC, Numerie. 17. Fire Extinguishers D-Link, Finoloc. UBS: APC, Numerie. 18. General Settinguishers (Latest Revision) Selection, Installation, and Maintenance Requirements for CO: Type Extinguishers Installation height max 1.5 m from floor level. Fire extinguishers shall conform to: Discharge nozzle and hose. Fire extinguishers have: Discharge nozzle and hose. Persure guage for DCP/ABC types. Date of manufacture and refill instructions. 2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical filtings), the following types are recommended: 2.1 AFIC Day Powder Type Extinguishers Capacity: 6 kg Media: Amono-Ammonium Phosphate Dry Chemical Powder Propellant: NitrogenCO: Cartridge Discharge Time: Mil 15 see Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter. 2.2 CO: Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Mil 15 see Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section. 2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products). 3. QUANTITY & PLACEMENT (NBC Norms) Minimum: ABC Type (6 kg) — 4 Nos. CO: Type (4 kg) — 5 Nos. Install near cati dows, main cuttannee, staircase, and near electrical distribution panels. 4. INSTALLATION RPQUIREMENTS Mount on wall using prackets or stands at 1.0—1.5 m abov |     |                    |  |           |    |
| Per unit basis for cameras, NVR, monitor, cabling (per meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  Cameras & NVR. Hikovison, CP Plus, Dahua, Honeywell. Monitor: LG, Samsung, Dell. Cables: D-Link, Finolex.  UPS: APC, Numeric.  17. Fire Extinguishers  1. GENERAL REQUIREMENTS  Fire extinguishers shall conform to: Portable Fire Extinguishers (Latest Revision) Selection, Installation, and Maintenance Requirements for CO: Type Extinguishers  Installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets. Each extinguisher must have: Discharge nozzle and hose. Pressure gauge for DCP/ARC types. Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a bandicraft showroom (wooden items, fabries, electrical fittings), the following types are recommended: 2.1 ABC Dry Powder Type Extinguisher  Capacity: 6 kg Media: Mone-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO: Cartridge Discharge Time: Min 15 ace Test Pressure: 15 kg/cm? Application: Class A (wood, paper, cloth), Class B (flummable liquids), Class C (electrical fires) Location: Main showroom arca, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher  Capacity: 9 liters Media: Carbon Dioxide Discharge Time: Min 15 ace Application: Class A (wood, paper, Computer Area Location: Office area, near billing and computer section. 2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (of large quantity of wood products). 3. QUANTITY & PLACEMENT (NBC Norms) Minimum 1 extinguisher for every 100 sq. m area. For 1800 sq. R. (-16 Sq. m), minimum:  ABC Type (6 kg) – 4 Nos. Co. Type (75 kg) – 2 Nos. Co. Type (75 kg) – 2 Nos. Portods signage and operation instructions above cach extinguisher.   |     |                    |  |           |    |
| meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  • Cameras & NNR. Hikvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, Dell.  Weller: D-Link, Finolex.  UPS: APC, Numero.  1. GENERAL REQUIREMENTS  • Fire extinguishers  • Fire extinguishers shall conform to:  • Portable Fire Extinguishers (Latest Revision)  • Selection, Installation, and Maintenance  • Requirements for Co. Type Extinguishers  • Installation height max 1.5 m from floor level.  • Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets.  • Each extinguishers have:  • Discharge nozzle and hose.  • Pressure gauge for DCP/ABC types.  • Discharge nozzle and hose.  • Pressure gauge for DCP/ABC types.  • Discharge for DCP/ABC types.  • Discharge rozzle and hose.  • Pressure gauge for DCP/ABC types.  • Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  • Capacity: 5 kg gen  • Media: Mono-Ammonium Phosphate Dry Chemical Powder  • Propellant: Nitrogen CO: Cartridge  • Discharge Time: Mil 3 see  • Test Pressure: 15 kg/cm²  • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Mil 15 see  • Application: Class A fires only (wood, paper)  • Location: Office area, near billing and computer section.  2.3 Water Co: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood produets).  3. QUANTITY |     |                    | 6. MEASUREMENT & PAYMENT   |           |    |
| meter), and accessories.  Rate includes supply, installation, commissioning, and testing.  7. APPROVED MAKES  • Cameras & NNR. Hikvision, CP Plus, Dahua, Honeywell.  Monitor: LG, Samsung, Dell.  Weller: D-Link, Finolex.  UPS: APC, Numero.  1. GENERAL REQUIREMENTS  • Fire extinguishers  • Fire extinguishers shall conform to:  • Portable Fire Extinguishers (Latest Revision)  • Selection, Installation, and Maintenance  • Requirements for Co. Type Extinguishers  • Installation height max 1.5 m from floor level.  • Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets.  • Each extinguishers have:  • Discharge nozzle and hose.  • Pressure gauge for DCP/ABC types.  • Discharge nozzle and hose.  • Pressure gauge for DCP/ABC types.  • Discharge for DCP/ABC types.  • Discharge rozzle and hose.  • Pressure gauge for DCP/ABC types.  • Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  • Capacity: 5 kg gen  • Media: Mono-Ammonium Phosphate Dry Chemical Powder  • Propellant: Nitrogen CO: Cartridge  • Discharge Time: Mil 3 see  • Test Pressure: 15 kg/cm²  • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Mil 15 see  • Application: Class A fires only (wood, paper)  • Location: Office area, near billing and computer section.  2.3 Water Co: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood produets).  3. QUANTITY |     |                    | Per unit basis for cameras, NVR, monitor, cabling (per               |           |    |
| Rate includes supply, installation, commissioning, and testing   7. APPROVED MAKES   Cameras & NVR: Hikvission, CP Plus, Dahua, Honeywell.   Monitor: LG, Samsung, Dell.   Cables: D-Link, Finolex.   UPS: APC, Numeric.   UPS: APC, Numeric.   Of approx   Private State of the Continuation of the Continuatio   |     |                    |  |           |    |
| testing. 7. APPROVED MAKES  • Cameras & NVR: Hikvision, CP Plus, Dahua, Honeywell. • Monitor: LG, Samsung, Dell. • Cables: D-Link, Finolex.  UPS: APC, Numeric.  1. GENERAL REQUIREMENTS  • Fire extinguishers shall conform to: • O Portable Fire Extinguishers (Latest Revision) • Selection, Installation, and Maintenance • Requirements for CO: Type Extinguishers • Installation height max 1.5 m from floor level. • Fire extinguishers mall be brand new, sealed, and provided with wall-mounting brackets. • Each extinguisher must have: • Discharge nozzle and hose. • Pressure gauge for DCP/ABC types. • Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended: 2.1 ABC Dry Powder Type Extinguisher • Capacity: 6 kg • Media: Mone Ammonium Phosphate Dry Chemical Powder • Propellant: Nitrogen CO: Cartridge • Discharge Time: Min 13 see • Test Pressure: 15 kg/cm² • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) • Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher • Capacity: 45 kg • Media: Carhon Dioxide • Discharge Time: Min 15 see • Application: Electrical Panels, Server, Computer Area • Location: Office area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage) • Capacity: 9 liters • Media: Water • Application: Class A fires only (wood, paper) • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NB Norms) • Minimum I extinguisher for every 100 sq. m area. • For 1800 sq. ft. (~167 sq. m), minimum: • ABC Type (6 kg) ~4 Nos. • CO: Type (45 kg) ~2 Nos. • Provide signage and operation instructions above each extinguisher: • Fire extinguishers to be easily accessible and not blocked by              |     |                    | /·   |           |    |
| 7. APPROVED MAKES  Cameras & NNR. Hikvision, CP Plus, Dahua, Honeywell. Monitor: LG, Samsung, Dell. Cables: D-Link, Finolex.  UPS: APC, Numeric.  Fire Extinguishers  1. GENERAL REQUIREMENTS  Fire extinguishers shall conform to: Portable Fire Extinguishers (Latest Revision) Selection, Installation, and Maintenance Requirements for CO: Type Extinguishers Installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  Each extinguisher must have: Discharge nozale and hose. Pressure gauge for DCPABC types. Pressure gauge for DCPABC types. Pressure gauge for DCPABC types. Pressure gauge for PCPABC types. Pressure gauge for PCPABC types. Pressure gauge for PCPABC types. Pressure gauge for Stringuisher  Each extinguisher are recommended:  2.1 ABC Dry Powder Type Extinguisher Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO: Cartridge Discharge Time: Min 13 see Pressure: 15 kg/cm? Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dixide Discharge Time: Min 15 see Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional—for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Electrical Panels, Server, Computer Area Location: Storage area (if large quantity of wood products).  QUANTITY & PLACEMENT (NBC Norms)  Minimum I extinguisher for every 100 sq. m area. For 1800 sq. ft. (-167 sq. m), minimum: ABC Type (6 kg) — 4 Nos. CO: Type (4.5 kg) = 2 Nos. For Location: Storage and operation instructions above cach extinguishers.   |     |                    |  |           |    |
| Cameras & NVR: Hikvision, CP Plus, Dahua, Honcywell.   Monitor: LG, Samsung, Dell.   Cables: D-Link, Finolex.   UPS: APC, Numerie.   |     |                    |  |           |    |
| 17. Fire Extinguishers  18. Cables: D-Link, Finolex. UPS: APC, Numeric.  19. Fire Extinguishers  18. GENERAL REQUIEMENTS  19. Fire Extinguishers shall conform to:  10. Portable Fire Extinguishers (Latest Revision)  10. Selection, Installation, and Maintenance  10. Requirements for CO: Type Extinguishers  19. Installation height max 1.5 m from floor level.  10. Fire extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  19. Fach extinguisher must have:  10. Discharge nozzle and hose.  10. Pressure gauge for DCP-ABC types.  10. Date of manufacture and refill instructions.  21. TyPES & CAPACITY OF EXTINGUISHERS REQUIRED  For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  21. ABC Dry Powder Type Extinguisher  10. Capacity: 6 kg  10. Media: Mono-Ammonium Phosphate Dry Chemical Powder  10. Propellant: Nitrogen/CO: Cartridge  10. Discharge Time: Min 13 see  10. Test Pressure: 15 kg/m²  10. Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  10. Location: Main showroom area, near entrance & cash counter.  22. CO: Type Fire Extinguisher  10. Capacity: 45 kg  10. Media: Carbon Dioxide  10. Discharge Time: Min 15 see  10. Application: Electrical Panels, Server, Computer Area  10. Location: Office area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  10. Capacity: 9 liters  10. Media: Water  10. Application: Class A fires only (wood, paper)  10. Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  10. Minimum 1 extinguisher for every 100 sq. m area.  10. For 1800 sq. ft. (~16 fsg. m), minimum:  10. ABC Type (6 kg.) – 4 Nos.  10. City Type (4.5 kg.) – 2 Nos.  10. Install Latton ReQuirements  10. Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  21. Fire extinguishers to be easily accessible and not blocked by  |     |                    | 7. APPROVED MAKES  |           |    |
| 17. Fire Extinguishers  18. Cables: D-Link, Finolex. UPS: APC, Numeric.  19. Fire Extinguishers  18. GENERAL REQUIEMENTS  19. Fire Extinguishers shall conform to:  10. Portable Fire Extinguishers (Latest Revision)  10. Selection, Installation, and Maintenance  10. Requirements for CO: Type Extinguishers  19. Installation height max 1.5 m from floor level.  10. Fire extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  19. Fach extinguisher must have:  10. Discharge nozzle and hose.  10. Pressure gauge for DCP-ABC types.  10. Date of manufacture and refill instructions.  21. TyPES & CAPACITY OF EXTINGUISHERS REQUIRED  For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  21. ABC Dry Powder Type Extinguisher  10. Capacity: 6 kg  10. Media: Mono-Ammonium Phosphate Dry Chemical Powder  10. Propellant: Nitrogen/CO: Cartridge  10. Discharge Time: Min 13 see  10. Test Pressure: 15 kg/m²  10. Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  10. Location: Main showroom area, near entrance & cash counter.  22. CO: Type Fire Extinguisher  10. Capacity: 45 kg  10. Media: Carbon Dioxide  10. Discharge Time: Min 15 see  10. Application: Electrical Panels, Server, Computer Area  10. Location: Office area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  10. Capacity: 9 liters  10. Media: Water  10. Application: Class A fires only (wood, paper)  10. Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  10. Minimum 1 extinguisher for every 100 sq. m area.  10. For 1800 sq. ft. (~16 fsg. m), minimum:  10. ABC Type (6 kg.) – 4 Nos.  10. City Type (4.5 kg.) – 2 Nos.  10. Install Latton ReQuirements  10. Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  21. Fire extinguishers to be easily accessible and not blocked by  |     |                    | • Cameras & NVR: Hikvision, CP Plus, Dahua, Honeywell.               |           |    |
| Cables: D-Link, Finolex.   UPS: APC, Numeric.  |     |                    | · I  |           |    |
| 17.   Fire Extinguishers   1.   GENERAL REQUIREMENTS   0.   Fire extinguishers shall conform to:   |     |                    |  |           |    |
| 17. Fire Extinguishers  1. GENERAL REQUIREMENTS  1. Fire extinguishers shall conform to:  2. Portable Fire Extinguishers (Latest Revision)  3. Selection, Installation, and Maintenance  4. Requirements for CO: Type Extinguishers  4. Installation height max 1.5 m from floor level.  4. Fire extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  5. Each extinguisher must have:  2. Discharge nozzle and hose.  3. Pressure gauge for DCP/ABC types.  4. Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED  For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  4. Capacity: 6 kg  4. Media: Mono-Ammonium Phosphate Dry Chemical Powder  4. Propellant: Nitrogen/CO: Cartridge  4. Discharge Time: Min 13 sec  5. Test Pressure: 15 kg/m²  5. Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fries)  6. Location: Min showroom area, near entrance & cash counter.  7. 2. CO: Type Fire Extinguisher  6. Capacity: 4.5 kg  7. Media: Carbon Dioxide  8. Discharge Time: Min 15 sec  9. Application: Electrical Panels, Server, Computer Area  9. Location: Office area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  9. Capacity: 9 liters  9. Media: Water  9. Application: Class A fires only (wood, paper)  1. Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  9. Minimum 1 extinguisher for every 100 sq. m area.  1. For 1800 sq. ft. (-167 sq. m), minimum:  2. ABC Type (4.5 kg) – 2 Nos.  1. Install.LAITON REQUIREMENTS  1. Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  1. Provide signage and operation instructions above cach extinguisher.  4. Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| <ul> <li>Fire extinguishers shall conform to:         <ul> <li>Portable Fire Extinguishers (Latest Revision)</li> <li>Selection, Installation, and Maintenance</li> <li>Requirements for CO: Type Extinguishers</li> </ul> </li> <li>Installation height max 1.5 m from floor level.</li> <li>Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets.</li> <li>Each extinguisher must have:</li></ul>   |     |                    |  |           |    |
| o Portable Fire Extinguishers (Latest Revision) o Selection, Installation, and Maintenance o Requirements for CO₂ Type Extinguishers e Installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets. Each extinguisher must have: o Discharge nozzle and hose. o Pressure gauge for DCP/ABC types. O Date of manufacture and refill instructions.  Z.TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher o Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO₂ Cartridge Discharge Time: Min 13 sec Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 sec Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (fi large quantity of wood products).  3. QUANTITY & PLACEMENT (MBC Norms) Minimum 1 extinguisher for every 100 sq. m area. For 1800 sq. ft. (-61 Sq. m), minimum:  ABC Type (6 kg) – 4 Nos.  CO; Type (45 kg) – 2 Nos.  Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS Mount on wall using brackets or stands at 1.0–1.5 m above finished floor. Provide signage and operation instructions above cach extinguisher. Fire extinguishers to be easily accessible and not blocked by  | 17. | Fire Extinguishers |  | 06 approx |    |
| o Selection, Installation, and Maintenance o Requirements for CD Type Extinguishers  Installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets. Each extinguisher must have: O Discharge nozzle and hose. Pressure gauge for DCP/ABC types. Date of manufacture and refill instructions.  TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  1.1 ABC Dry Powder Type Extinguisher Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO₂ Cartridge Discharge Time: Min 13 sec Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 sec Application: Cletcrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms) Minimum I extinguisher for every 100 sq. m area. For 1800 sq. ft(167 sq. m), minimum: ABC Type (6 kg) – 4 Nos. CO; Type (4.5 kg) – 2 Nos. Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS Mount on wall using brackets or stands at 1.0–1.5 m above finished floor. Provide signage and operation instructions above each extinguisher. Fire extinguishers to be easily accessible and not blocked by  |     |                    | <ul> <li>Fire extinguishers shall conform to:</li> </ul>             |           |    |
| o Selection, Installation, and Maintenance o Requirements for CD Type Extinguishers  Installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets. Each extinguisher must have: O Discharge nozzle and hose. Pressure gauge for DCP/ABC types. Date of manufacture and refill instructions.  TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  1.1 ABC Dry Powder Type Extinguisher Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO₂ Cartridge Discharge Time: Min 13 sec Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 sec Application: Cletcrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms) Minimum I extinguisher for every 100 sq. m area. For 1800 sq. ft(167 sq. m), minimum: ABC Type (6 kg) – 4 Nos. CO; Type (4.5 kg) – 2 Nos. Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS Mount on wall using brackets or stands at 1.0–1.5 m above finished floor. Provide signage and operation instructions above each extinguisher. Fire extinguishers to be easily accessible and not blocked by  |     |                    |  |           |    |
| o Requirements for CO₂ Type Extinguishers  Installation height max 1.5 m from floor level.  Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets.  Each extinguisher must have:  o Discharge nozzle and hose.  Pressure gauge for DCP/ABC types.  Date of manufacture and refill instructions.  Z. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (mooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  Capacity: 6 kg  Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant. Nitrogen/CO₂ Catridge  Discharge Time: Min 13 sec  Test Pressure: 15 kg/cm²  Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher  Capacity: 4.5 kg  Media: Carbon Dioxide  Discharge Time: Min 15 sec  Application: Electrical Panels, Server, Computer Area  Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)  Capacity: 9 liters  Media: Water  Application: Class A fires only (wood, paper)  Location: Storage area (if large quantity of wood products).  J. QUANTITY & PLACEMENT (NBC Norms)  Minimum Lextinguisher for every 100 sq. m area.  For 1800 sq. ft. (-167 sq. m), minimum:  ABC Type (4 fs kg) – 2 Nos.  CO₂ Type (4 fs kg) – 2 Nos.  1 Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  Provide signage and operation instructions above each extinguisher.  Fire extinguishers to be easily accessible and not blocked by  |     |                    |  |           |    |
| Installation height max 1.5 m from floor level. Fire extinguishers shall be brand new, sealed, and provided with wall-mounting brackets.  Each extinguisher must have:  Discharge nozzle and hose. Pressure gauge for DCP/ABC types. Date of manufacture and refill instructions.  TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  ABC Dry Powder Type Extinguisher  Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO: Cartridge Discharge Time: Min 13 sec Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  Capacity: 45 kg Media: Carbon Dioxide Discharge Time: Min 15 sec Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products).  QUANTITY & PLACEMENT (NBC Norms) Minimum I extinguisher for every 100 sq. m area. For 1800 sq. ft(167 sq. m), minimum:  ABC Type (6 kg) – 4 Nos. CO: Type (4.5 kg) – 2 Nos. Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS Mount on wall using brackets or stands at 1.0–1.5 m above finished floor. Provide signage and operation instructions above each extinguisher. Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| • Fire extinguishers shall be brand new, scaled, and provided with wall-mounting brackets.  • Each extinguisher must have:  • Discharge nozzle and hose.  • Pressure gauge for DCP/ABC types.  • Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg  • Media: Mono-Ammonium Phosphate Dry Chemical Powder  • Propellant: Nitrogen/CO: Cartridge  • Discharge Time: Min 13 sec  • Test Pressure: 15 kg/cm²  • Application: Class A (wood, paper, eloth), Class B (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Min 15 sec  • Application: Electrical Panels, Server, Computer Area  • Location: Office area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum I extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (~167 sq. m), minimum:  • ABC Type (6 kg) – 4 Nos.  • CO; Type (6 kg) – 2 Nos.  • CO; Type (6 kg) – 2 Nos.  • CO; Type (6 kg) – 2 Nos.  • Lostal near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREEMENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher:  • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| with wall-mounting brackets.  • Each extinguisher must have:  • Discharge nozzle and hose.  • Pressure gauge for DCP/ABC types.  • Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED  For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg  • Media: Mono-Ammonium Phosphate Dry Chemical Powder  • Propellant: Nitrogen/CO: Cartridge  • Discharge Time: Min 13 see  • Test Pressure: 15 kg/cm²  • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO: Type Fire Extinguisher  • Capacity: 4,5 kg  • Media: Carbon Dioxide  • Discharge Time: Min 15 see  • Application: Electrical Panels, Server, Computer Area  • Location: Diffice area, near billing and computer section.  2.3 Water CO: Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum I extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (-167 sq. m), minimum:  • ABC Type (6 kg) – 4 Nos.  • Co. Type (45 kg) – 2 Nos.  • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher.  |     |                    |  |           |    |
| Each extinguisher must have:   |     |                    |  |           |    |
| o Discharge nozzle and hose. o Pressure gauge for DCP/ABC types. o Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended: 2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg • Media: Mono-Ammonium Phosphate Dry Chemical Powder • Propellant: Nitrogen/Co₂ Cartridge • Discharge Time: Min 13 sec • Test Pressure: 15 kg/cm² • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) • Location: Main showroom area, near entrance & cash counter.  2.2 Co₂ Type Fire Extinguisher • Capacity: 4.5 kg • Media: Carbon Dioxide • Discharge Time: Min 15 sec • Application: Electrical Panels, Server, Computer Area • Location: Office area, near billing and computer section. 2.3 Water Co₂ Type Fire Extinguisher (Optional − for wooden handicrafts storage) • Capacity: 9 liters • Media: Water • Application: Class A fires only (wood, paper) • Location: Storage area (if large quantity of wood products). 3. QUANTITY & PLACEMENT (NBC Norms) • Minimum I extinguisher for every 100 sq. m area. • For 1800 sq. ft. (~167 sq. m), minimum: • ABC Type (6 kg) − 4 Nos. • Co₂ Type (4.5 kg) − 2 Nos. • Provide signage and operation instructions above each extinguisher: • Fire extinguishers to be easily accessible and not blocked by   |     |                    | with wall-mounting brackets.   |           |    |
| o Discharge nozzle and hose. o Pressure gauge for DCP/ABC types. o Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended: 2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg • Media: Mono-Ammonium Phosphate Dry Chemical Powder • Propellant: Nitrogen/Co₂ Cartridge • Discharge Time: Min 13 sec • Test Pressure: 15 kg/cm² • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) • Location: Main showroom area, near entrance & cash counter.  2.2 Co₂ Type Fire Extinguisher • Capacity: 4.5 kg • Media: Carbon Dioxide • Discharge Time: Min 15 sec • Application: Electrical Panels, Server, Computer Area • Location: Office area, near billing and computer section. 2.3 Water Co₂ Type Fire Extinguisher (Optional − for wooden handicrafts storage) • Capacity: 9 liters • Media: Water • Application: Class A fires only (wood, paper) • Location: Storage area (if large quantity of wood products). 3. QUANTITY & PLACEMENT (NBC Norms) • Minimum I extinguisher for every 100 sq. m area. • For 1800 sq. ft. (~167 sq. m), minimum: • ABC Type (6 kg) − 4 Nos. • Co₂ Type (4.5 kg) − 2 Nos. • Provide signage and operation instructions above each extinguisher: • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| o Pressure gauge for DCP/ABC types.  ○ Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  ○ Capacity: 6 kg  ○ Media: Mono-Ammonium Phosphate Dry Chemical Powder  ○ Propellant: Nitrogen/CO₂ Cartridge  ○ Discharge Time: Min 13 see  ○ Test Pressure: 15 kg/cm²  ○ Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  ○ Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher  ○ Capacity: 4.5 kg  ○ Media: Carbon Dioxide  ○ Discharge Time: Min 15 see  ○ Application: Electrical Panels, Server, Computer Area  ○ Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)  ○ Capacity: 9 liters  ○ Media: Water  ○ Application: Class A fires only (wood, paper)  ○ Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  ○ Minimum I extinguisher for every 100 sq. m area.  ○ For 1800 sq. ft. (~167 sq. m), minimum:  ○ ABC Type (4.5 kg) ~2 Nos.  ○ CO₂ Type (4.5 kg) ~2 Nos.  ○ Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0~1.5 m above finished floor.  • Provide signage and operation instructions above each extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| O Date of manufacture and refill instructions.  2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg • Media: Mono-Ammonium Phosphate Dry Chemical Powder • Propellant: Nitrogen/Co₂ Cartridge • Discharge Time: Min 13 sec • Test Pressure: 15 kg/cm² • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) • Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher • Capacity: 4.5 kg • Media: Carbon Dioxide • Discharge Time: Min 15 sec • Application: Electrical Panels, Server, Computer Area • Location: Office area, near billing and computer section.  2.3 Water CO₃ Type Fire Extinguisher (Optional − for wooden handicrafts storage) • Capacity: 9 liters • Media: Water • Application: Class A fires only (wood, paper) • Location: Storage area (if large quantity of wood products).  3. QUUNTITY & PLACEMENT (NBC Norms) • Minimum 1 extinguisher for every 100 sq. m area. • For 1800 sq. ft. (−167 sq. m), minimum: • ABC Type (6 kg) − 4 Nos. • CO₃ Type (4 kg) − 4 Nos. • Mount on wall using brackets or stands at 1.0−1.5 m above finished floor. • Provide signage and operation instructions above each extinguisher: • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| 2. TYPES & CAPACITY OF EXTINGUISHERS REQUIRED For a handicraft showroom (wooden items, fabries, electrical fittings), the following types are recommended: 2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg  • Media: Mono-Ammonium Phosphate Dry Chemical Powder • Propellant: Nitrogen/CO; Cartridge • Discharge Time: Min 13 see  • Test Pressure: 15 kg/cm² • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) • Location: Main showroom area, near entrance & cash counter.  2.2 CO; Type Fire Extinguisher • Capacity: 4.5 kg • Media: Carbon Dioxide • Discharge Time: Min 15 sec • Application: Electrical Panels, Server, Computer Area • Location: Office area, near billing and computer section.  2.3 Water CO; Type Fire Extinguisher (Optional – for wooden handicrafts storage) • Capacity: 9 liters • Media: Water • Application: Class A fires only (wood, paper) • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms) • Minimum I extinguisher for every 100 sq. m area. • For 1800 sq. ft. (~167 sq. m), minimum:  |     |                    |  |           |    |
| For a handicraft showroom (wooden items, fabrics, electrical fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg  • Media: Mono-Ammonium Phosphate Dry Chemical Powder  • Propellant: Nitrogen/CO2 Cartridge  • Discharge Time: Min 13 sec  • Test Pressure: 15 kg/cm²  • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO2 Type Fire Extinguisher  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Min 15 sec  • Application: Electrical Panels, Server, Computer Area  • Location: Office area, near billing and computer section.  2.3 Water CO2 Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum 1 extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (~167 sq. m), minimum:  • ABC Type (6 kg) – 4 Nos.  • CO: Type (4.5 kg) – 2 Nos.  • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher:  • Fire extinguishers to be easily accessible and not blocked by  |     |                    |  |           |    |
| fittings), the following types are recommended:  2.1 ABC Dry Powder Type Extinguisher  • Capacity: 6 kg  • Media: Mono-Ammonium Phosphate Dry Chemical Powder  • Propellant: Nitrogen/CO <sub>2</sub> Cartridge  • Discharge Time: Min 13 sec  • Test Pressure: 15 kg/cm²  • Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO <sub>2</sub> Type Fire Extinguisher  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Min 15 sec  • Application: Electrical Panels, Server, Computer Area  • Location: Office area, near billing and computer section.  2.3 Water CO <sub>3</sub> Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum I extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (-167 sq. m), minimum:  • ABC Type (6 kg) – 4 Nos.  • CO <sub>3</sub> Type (4.5 kg) – 2 Nos.  • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMEENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguishers.  |     |                    |  |           |    |
| 2.1 ABC Dry Powder Type Extinguisher  Capacity: 6 kg Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO <sub>2</sub> Cartridge Discharge Time: Min 13 see Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO <sub>2</sub> Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 see Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO <sub>2</sub> Type Fire Extinguisher (Optional – for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms) Minimum 1 extinguisher for every 100 sq. m area. For 1800 sq. ft. (~167 sq. m), minimum: ABC Type (6 kg) – 4 Nos. CO <sub>2</sub> Type (6 kg) – 2 Nos. Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS Mount on wall using brackets or stands at 1.0–1.5 m above finished floor. Fro voide signage and operation instructions above each extinguisher: Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| Capacity: 6 kg  Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO₂ Cartridge Discharge Time: Min 13 sec Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 sec Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional − for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms) Minimum 1 extinguisher for every 100 sq. m area. For 1800 sq. ft. (~167 sq. m), minimum: ABC Type (6 kg) − 4 Nos. CO₂ Type (4.5 kg) − 2 Nos. Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS Mount on wall using brackets or stands at 1.0−1.5 m above finished floor. Provide signage and operation instructions above each extinguisher: Fire extinguishers to be easily accessible and not blocked by  |     |                    | fittings), the following types are recommended:                      |           |    |
| Capacity: 6 kg  Media: Mono-Ammonium Phosphate Dry Chemical Powder Propellant: Nitrogen/CO₂ Cartridge Discharge Time: Min 13 sec Test Pressure: 15 kg/cm² Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires) Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher Capacity: 4.5 kg Media: Carbon Dioxide Discharge Time: Min 15 sec Application: Electrical Panels, Server, Computer Area Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional − for wooden handicrafts storage) Capacity: 9 liters Media: Water Application: Class A fires only (wood, paper) Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms) Minimum 1 extinguisher for every 100 sq. m area. For 1800 sq. ft. (~167 sq. m), minimum: ABC Type (6 kg) − 4 Nos. CO₂ Type (4.5 kg) − 2 Nos. Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS Mount on wall using brackets or stands at 1.0−1.5 m above finished floor. Provide signage and operation instructions above each extinguisher: Fire extinguishers to be easily accessible and not blocked by  |     |                    | 2.1 ABC Dry Powder Type Extinguisher                                 |           |    |
| <ul> <li>Media: Mono-Ammonium Phosphate Dry Chemical Powder</li> <li>Propellant: Nitrogen/Co₂ Cartridge</li> <li>Discharge Time: Min 13 sec</li> <li>Test Pressure: 15 kg/cm²</li> <li>Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)</li> <li>Location: Main showroom area, near entrance &amp; cash counter.</li> <li>2.2 Co₂ Type Fire Extinguisher</li> <li>Capacity: 4.5 kg</li> <li>Media: Carbon Dioxide</li> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water Co₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum I extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO₂ Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher:</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| <ul> <li>Propellant: Nitrogen/CO₂ Cartridge</li> <li>Discharge Time: Min 13 sec</li> <li>Test Pressure: 15 kg/cm²</li> <li>Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)</li> <li>Location: Main showroom area, near entrance &amp; cash counter.</li> <li>2.2 CO₂ Type Fire Extinguisher</li> <li>Capacity: 4.5 kg</li> <li>Media: Carbon Dioxide</li> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO₂ Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| <ul> <li>Discharge Time: Min 13 sec</li> <li>Test Pressure: 15 kg/cm²</li> <li>Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)</li> <li>Location: Main showroom area, near entrance &amp; cash counter.</li> <li>2.2 CO₂ Type Fire Extinguisher</li> <li>Capacity: 4.5 kg</li> <li>Media: Carbon Dioxide</li> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) − 4 Nos.</li> <li>CO₂ Type (4.5 kg) − 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| <ul> <li>Test Pressure: 15 kg/cm²</li> <li>Application: Class A (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)</li> <li>Location: Main showroom area, near entrance &amp; cash counter.</li> <li>2.2 CO2 Type Fire Extinguisher</li> <li>Capacity: 4.5 kg</li> <li>Media: Carbon Dioxide</li> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO2 Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum I extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| Application: Class Å (wood, paper, cloth), Class B (flammable liquids), Class C (electrical fires)     Location: Main showroom area, near entrance & cash counter.  2.2 CO₂ Type Fire Extinguisher     Capacity: 4.5 kg     Media: Carbon Dioxide     Discharge Time: Min 15 sec     Application: Electrical Panels, Server, Computer Area     Location: Office area, near billing and computer section.  2.3 Water CO₂ Type Fire Extinguisher (Optional − for wooden handicrafts storage)     Capacity: 9 liters     Media: Water     Application: Class A fires only (wood, paper)     Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)     Minimum 1 extinguisher for every 100 sq. m area.     For 1800 sq. ft. (~167 sq. m), minimum:  |     |                    |  |           |    |
| (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO2 Type Fire Extinguisher  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Min 15 sec  • Application: Electrical Panels, Server, Computer Area  • Location: Office area, near billing and computer section.  2.3 Water CO2 Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum 1 extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (~167 sq. m), minimum:  • ABC Type (6 kg) – 4 Nos.  • CO2 Type (4.5 kg) – 2 Nos.  • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher.  |     |                    | • Test Pressure: 15 kg/cm <sup>2</sup>                               |           |    |
| (flammable liquids), Class C (electrical fires)  • Location: Main showroom area, near entrance & cash counter.  2.2 CO2 Type Fire Extinguisher  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Min 15 sec  • Application: Electrical Panels, Server, Computer Area  • Location: Office area, near billing and computer section.  2.3 Water CO2 Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum 1 extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (~167 sq. m), minimum:  • ABC Type (6 kg) – 4 Nos.  • CO2 Type (4.5 kg) – 2 Nos.  • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher.  |     |                    | Application: Class A (wood, paper, cloth), Class B                   |           |    |
| <ul> <li>Location: Main showroom area, near entrance &amp; cash counter.</li> <li>2.2 CO₂ Type Fire Extinguisher</li> <li>Capacity: 4.5 kg</li> <li>Media: Carbon Dioxide</li> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum I extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) − 4 Nos.</li> <li>CO₂ Type (4.5 kg) − 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0-1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| counter.  2.2 CO <sub>2</sub> Type Fire Extinguisher  • Capacity: 4.5 kg  • Media: Carbon Dioxide  • Discharge Time: Min 15 sec  • Application: Electrical Panels, Server, Computer Area  • Location: Office area, near billing and computer section.  2.3 Water CO <sub>2</sub> Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters  • Media: Water  • Application: Class A fires only (wood, paper)  • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum 1 extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (~167 sq. m), minimum:  • ABC Type (6 kg) – 4 Nos.  • CO <sub>2</sub> Type (4.5 kg) – 2 Nos.  • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher.  • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| 2.2 CO <sub>2</sub> Type Fire Extinguisher  Capacity: 4.5 kg  Media: Carbon Dioxide  Discharge Time: Min 15 sec  Application: Electrical Panels, Server, Computer Area  Location: Office area, near billing and computer section.  3.3 Water CO <sub>2</sub> Type Fire Extinguisher (Optional – for wooden handicrafts storage)  Capacity: 9 liters  Media: Water  Application: Class A fires only (wood, paper)  Location: Storage area (if large quantity of wood products).  QUANTITY & PLACEMENT (NBC Norms)  Minimum 1 extinguisher for every 100 sq. m area.  For 1800 sq. ft. (~167 sq. m), minimum:  ABC Type (6 kg) – 4 Nos.  CO <sub>2</sub> Type (4.5 kg) – 2 Nos.  Install near exit doors, main entrance, staircase, and near electrical distribution panels.  INSTALLATION REQUIREMENTS  Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  Provide signage and operation instructions above each extinguisher.  Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| <ul> <li>Capacity: 4.5 kg</li> <li>Media: Carbon Dioxide</li> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) − 4 Nos.</li> <li>CO₂ Type (4.5 kg) − 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>4. INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0−1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| <ul> <li>Media: Carbon Dioxide</li> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO<sub>2</sub> Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>4. INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| <ul> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) − 4 Nos.</li> <li>CO₂ Type (4.5 kg) − 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    | • Capacity: 4.5 kg   |           |    |
| <ul> <li>Discharge Time: Min 15 sec</li> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) − 4 Nos.</li> <li>CO₂ Type (4.5 kg) − 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    | Media: Carbon Dioxide  |           |    |
| <ul> <li>Application: Electrical Panels, Server, Computer Area</li> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO<sub>2</sub> Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| <ul> <li>Location: Office area, near billing and computer section.</li> <li>2.3 Water CO₂ Type Fire Extinguisher (Optional – for wooden handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) − 4 Nos.</li> <li>CO₂ Type (4.5 kg) − 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| 2.3 Water CO <sub>2</sub> Type Fire Extinguisher (Optional – for wooden handicrafts storage)  • Capacity: 9 liters • Media: Water • Application: Class A fires only (wood, paper) • Location: Storage area (if large quantity of wood products).  3. QUANTITY & PLACEMENT (NBC Norms) • Minimum 1 extinguisher for every 100 sq. m area. • For 1800 sq. ft. (~167 sq. m), minimum: • ABC Type (6 kg) – 4 Nos. • CO <sub>2</sub> Type (4.5 kg) – 2 Nos. • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor. • Provide signage and operation instructions above each extinguisher. • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| <ul> <li>handicrafts storage)</li> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| <ul> <li>Capacity: 9 liters</li> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>4. INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| <ul> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| <ul> <li>Media: Water</li> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum: <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    | • Capacity: 9 liters   |           |    |
| <ul> <li>Application: Class A fires only (wood, paper)</li> <li>Location: Storage area (if large quantity of wood products).</li> <li>QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum:         <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    | * *  |           |    |
| <ul> <li>Location: Storage area (if large quantity of wood products).</li> <li>3. QUANTITY &amp; PLACEMENT (NBC Norms)</li> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum:         <ul> <li>ABC Type (6 kg) − 4 Nos.</li> <li>CO₂ Type (4.5 kg) − 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0−1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| 3. QUANTITY & PLACEMENT (NBC Norms)  • Minimum 1 extinguisher for every 100 sq. m area.  • For 1800 sq. ft. (~167 sq. m), minimum:  • ABC Type (6 kg) − 4 Nos.  • CO₂ Type (4.5 kg) − 2 Nos.  • Install near exit doors, main entrance, staircase, and near electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0−1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher.  • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| <ul> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> <li>For 1800 sq. ft. (~167 sq. m), minimum:         <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS         <ul> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul> </li> </ul>  |     |                    |  |           |    |
| <ul> <li>For 1800 sq. ft. (~167 sq. m), minimum:         <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS         <ul> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul> </li> </ul>  |     |                    |  |           |    |
| <ul> <li>For 1800 sq. ft. (~167 sq. m), minimum:         <ul> <li>ABC Type (6 kg) – 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) – 2 Nos.</li> </ul> </li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>INSTALLATION REQUIREMENTS         <ul> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul> </li> </ul>  |     |                    | <ul> <li>Minimum 1 extinguisher for every 100 sq. m area.</li> </ul> |           |    |
| <ul> <li>ABC Type (6 kg) - 4 Nos.</li> <li>CO<sub>2</sub> Type (4.5 kg) - 2 Nos.</li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>4. INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0-1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| <ul> <li>CO<sub>2</sub> Type (4.5 kg) - 2 Nos.</li> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>4. INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0-1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| <ul> <li>Install near exit doors, main entrance, staircase, and near electrical distribution panels.</li> <li>4. INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| electrical distribution panels.  4. INSTALLATION REQUIREMENTS  • Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.  • Provide signage and operation instructions above each extinguisher.  • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| <ul> <li>4. INSTALLATION REQUIREMENTS</li> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| <ul> <li>Mount on wall using brackets or stands at 1.0–1.5 m above finished floor.</li> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>  |     |                    |  |           |    |
| finished floor.  • Provide signage and operation instructions above each extinguisher.  • Fire extinguishers to be easily accessible and not blocked by  |     |                    |  |           |    |
| finished floor.  • Provide signage and operation instructions above each extinguisher.  • Fire extinguishers to be easily accessible and not blocked by  |     |                    | • Mount on wall using <b>brackets or stands</b> at 1.0–1.5 m above   |           |    |
| <ul> <li>Provide signage and operation instructions above each extinguisher.</li> <li>Fire extinguishers to be easily accessible and not blocked by</li> </ul>   |     |                    |  |           |    |
| extinguisher.  • Fire extinguishers to be easily accessible and not blocked by   |     |                    |  |           |    |
| Fire extinguishers to be easily accessible and not blocked by  |     |                    |  |           |    |
|  |     |                    |  |           |    |
| turniture/display items.   |     |                    |  |           |    |
|  |     |                    | furniture/display items.   | <u> </u>  |    |

|     |             |   | Page   26 |
|-----|-------------|---|-----------|
|     |             | <ul> <li>5. TESTING &amp; COMMISSIONING</li> <li>Verify manufacturing date (not older than 6 months).</li> <li>Ensure pressure gauge in green zone for DCP/ABC extinguishers.</li> <li>Check weight &amp; sealing of all units before handover.</li> <li>6. WARRANTY &amp; MAINTENANCE</li> <li>Minimum 1-year warranty.</li> <li>Supplier must provide refilling and servicing support.</li> <li>AMC to be offered after expiry of warranty period.</li> <li>7. APPROVED MAKES</li> <li>Safex / Minimax / Kanex / FireShield / Ceasefire OR other equalint</li> <li>8. CPWD DSR REFERENCE ITEMS</li> <li>18.71 – Supply &amp; installation of ISI-marked fire extinguishers.</li> <li>18.72 – Wall brackets for fire extinguishers.</li> </ul> | Page   20 |
|     |             | <ul> <li>Ground Floor:         <ul> <li>2 Nos. 6 kg ABC Type (near entrance &amp; cash counter)</li> <li>1 Nos. CO<sub>2</sub> Type (near billing section)</li> </ul> </li> <li>First Floor:         <ul> <li>2 Nos. 6 kg ABC Type</li> <li>1 Nos. CO<sub>2</sub> Type (near office/computer area)</li> </ul> </li> </ul>   |           |
| 18. | LED Display | The LED display must be energy efficient, high-brightness, and designed for 24/7 operation.     All components (screen, control system, power supply, mounting) shall be of approved make.     Supplier shall provide minimum 1-year warranty and onsite installation & commissioning.     Installation shall be done as per manufacturer's guidelines with proper safety and electrical protections.   | 01        |
|     |             | <ul> <li>2. TYPE &amp; SIZE OF DISPLAY</li> <li>Type: Indoor LED Display for information and promotions.</li> <li>Screen Size: Minimum 55" LED Commercial Display Panel or Custom LED Video Wall (if larger display is required).</li> <li>Resolution: Full HD (1920×1080) or higher (for 55" unit).</li> <li>Brightness: ≥ 450 cd/m² for indoor display.</li> <li>Viewing Angle: 178° (H) × 178° (V).</li> <li>Contrast Ratio: ≥ 1200:1.</li> <li>Aspect Ratio: 16:9.</li> </ul>   |           |
|     |             | 3. PERFORMANCE FEATURES  • Technology: LED-backlit LCD panel or direct-view LED for video wall.  • Input Ports:  ○ HDMI (minimum 2 ports)  ○ USB, LAN  ○ Optional: VGA, RS232 for control  • Control Options:  ○ Remote control.  ○ RS232/LAN control for professional use.  • Operating Hours: 24/7 continuous operation.  • Power Supply: 230V ±10%, 50 Hz AC.  |           |
|     |             | <ul> <li>4. MOUNTING &amp; INSTALLATION         <ul> <li>Mounting type: Wall-mounted or Ceiling-mounted bracket.</li> <li>Provide concealed wiring in PVC conduit.</li> <li>Include modular socket outlet with surge protection near the display.</li> <li>All mounting brackets should be powder-coated MS with load-bearing capacity &gt;2X display weight.</li> </ul> </li> </ul>  |           |

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|------------------|--|--|
|------------------|--|--|

|     |                    |  | Page   27       |
|-----|--------------------|--|-----------------|
|     |                    | 5. CONTROL & SOFTWARE  |                 |
|     |                    | Content Management:  |                 |
|     |                    | <ul> <li>Play images, videos, and text.</li> </ul>                         |                 |
|     |                    | <ul> <li>Support for multiple file formats: JPEG, MP4, AVI,</li> </ul>     |                 |
|     |                    | etc.   |                 |
|     |                    | Remote Management:   |                 |
|     |                    | <ul> <li>Wireless or LAN-based control for content update.</li> </ul>      |                 |
|     |                    | <ul> <li>Mobile app or PC-based control for playlist</li> </ul>            |                 |
|     |                    | scheduling.  |                 |
|     |                    | 6. TESTING & COMMISSIONING   |                 |
|     |                    | <ul> <li>Verify picture quality, brightness, and viewing angle.</li> </ul> |                 |
|     |                    | • Test input signal from HDMI/USB.   |                 |
|     |                    | • Ensure secure mounting and concealed wiring.                             |                 |
|     |                    | Provide <b>training to showroom staff</b> for operating display.           |                 |
|     |                    | 7. WARRANTY & MAINTENANCE  |                 |
|     |                    | Minimum 1-year onsite warranty.  |                 |
|     |                    | • Supplier to provide AMC option after warranty.                           |                 |
|     |                    | Must include free installation and commissioning.                          |                 |
|     |                    | 8. APPROVED MAKES  |                 |
|     |                    | • Samsung, LG, Sony, Panasonic, Vega, Xtreme, BPL.                         |                 |
|     |                    | 9. CPWD DSR REFERENCE  |                 |
|     |                    | • <b>18.80</b> – Supply and installation of LED Display Panel.             |                 |
|     |                    | • 1.20 – Electrical point wiring for TV/LED Display.                       |                 |
|     |                    | 18.54 – Modular socket with mounting box.                                  |                 |
| 19. | Inverter for power | For a Handicraft Showroom (1800 sq. ft., 2 floors):                        | 01 complete set |
|     | backup             | Connected Load:  |                 |
|     |                    | o Lighting: 30–40 LED lights (approx. 1.5 kW)                              |                 |
|     |                    | <ul> <li>Computers, billing, CCTV</li> </ul>                               |                 |
|     |                    | Battery Bank:  |                 |
|     |                    | o 12 V, 150 Ah tubular batteries Backup time:                              |                 |
|     |                    | Minimum 4 hours for lighting, billing, and security                        |                 |
|     |                    | systems.   |                 |
|     |                    | Charger: Microprocessor-based, automatic, short-circuit                    |                 |
|     |                    | and overload protection.   |                 |
|     |                    | 5. CABLING & INSTALLATION  |                 |
|     |                    | <ul> <li>Power Cable: XLPE insulated, armored cable.</li> </ul>            |                 |
|     |                    | <ul> <li>Control Wiring: FRLS copper conductor cables.</li> </ul>          |                 |
|     |                    | • Earthing:  |                 |
|     |                    | o Inverter – Dedicated earth connection.                                   |                 |
|     |                    |  |                 |

#### PART I

|          | DATE |
|----------|------|
| From:    |      |
| Name:    |      |
| Address: |      |
| Ph:      |      |
| Fax:     |      |
| E-mail:  |      |
|          |      |
|          |      |

To, The President, M/s. Jai Bhairav Welfare Society Out Side Nathusar Gate, Bikaner Distt.- Bikaner 334001, Rajasthan,

Sub: Tender for the Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan)- Submission of Part I - Reg

Ref: Your Tender Notice JBWS/Bkn/2025/276 Date 10-07-2025

Sir,

With reference to your tender notice, we submit herewith our sealed Tender for the Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan), as specified by JAI BHAIRAV WELFARE SOCIETY, BIKANER in this tender document.

We enclose the following documents:

- 1) Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions
- 2) Authorization letter from the Company for the person to sign the tender.
- 3) Details of the Tenderer (as per Annexure-III)
- 4) Declaration for not having black listed by any other Govt. agencies (as per Annexure-IV).
- 5) Declaration for not having tampered the Tender documents downloaded from the website <a href="www.jbws.in">www.jbws.in</a> (Annexure-V).
- 6) Bid Security Declaration form (as per Annexure VI)
- 7) The copy of certificate of incorporation/registration (If applicable)
- 8) Copy of Memorandum and Articles of Association (If applicable)
- 9) Copy of Registered Partnership deed, in case of Partnership Firm (If applicable)
- 10) Copy of Udyog Aadhaar, GST Registration Certificate & PAN Card
- 11) Work Orders issued by the clients. (If applicable)
- 12) Performance certificate issued by the clients. (If applicable)

Yours faithfully,

# SIGNATURE OF THE TENDERER

**Encl: As stated above** 

# ANNEXURE - III

# DETAILS OF THE TENDERER

| 1. Name of the Tenderer          |   |
|----------------------------------|---|
| 2. Registered Office Address     |   |
|                                  |   |
|                                  | Telephone Number:                                       |
|                                  | Fax:  |
|                                  | Email: Website, if                                      |
|                                  | any   |
|                                  |   |
| 3. Contact Person                | Name:   |
|                                  | Designation:  |
|                                  | Phone:  |
|                                  | Mobile:   |
|                                  | Email:  |
| 4. Date of Incorporation         |   |
|                                  |   |
| 5. Legal Status                  | Proprietorship/partnership/Pvt. Limited/Public Limited/ |
|                                  | others(Pl. mention)                                     |
| 6. Eligible license holder of    |   |
|                                  |   |
| 7. Brief profile of the tenderer |   |
|                                  |   |
|                                  |   |
|                                  |   |
| 8. PAN Number                    |   |
| 9. GST Registration Number       |   |
|                                  |   |
|                                  |   |
|                                  |   |

# ANNEXURE - IV

| CERT | IFIC | CATE |
|------|------|------|
| CENT | пп   | AIL  |

| Certified that M/s/  | the firm /company or its partners / |
|--|-------------------------------------|
| shareholders had not been blacklisted by any Government Agencies | 3.                                  |

# ANNEXURE - V

# **DECLARATION FORM**

|    | Date:  |    |
|----|--|----|
| a) | I/We   | e  |
| b) | I/We have downloaded the tender document from the internet site <a href="www.jbws.in">www.jbws.in</a> and I/We have not tampered modified the tender document in any manner. In case, if the same is found to be tampered / modified, I/We understand the my/our tender will be summarily rejected and I/We am/are liable to be banned from doing business with M/s. Jai Bhaira Welfare Society or prosecuted. | ıt |

# ANNEXURE – VI

# **BID SECURITY DECLARATION FORM**

|   | Date:                                    |
|---|--|
| To, The President, M/s. Jai Bhairav Welfare Society Out Side Nathusar Gate, Bikaner Distt Bikaner 334001, Rajasthan,  |  |
| Tender No:- JBWS/Bkn/2025/276 Date 10-07-2025   |  |
| I/We. The undersigned, declare that:  |  |
| I/We understand that, according to your conditions, bids must be supported by a   | Bid Securing Declaration.                |
| I/We accept that I/We may be blacklisted from bidding for any contract for a m notification if I am/We are in a breach of any obligation under the bid conditions, I amended or failure to sign the agreement or to remit the Security Deposit or to ex during the period of bid validity specified in the tender document. | because I/We have withdrawn / modified / |
| I/We understand this Bid Securing Declaration shall cease to be valid if I am/w earlier of (i) the receipt of your notification of the name of the successful Bidde (ii) thirty days after the expiration of the validity of my/our Bid.  | · •                                      |
|   | Yours faithfully,                        |

#### ANNEXURE - VII

#### PART II

|  | DATE |
|--|------|
| From:  |      |
| Name:  |      |
| Address:   |      |
| Ph:  |      |
| Fax:   |      |
| E-mail:  |      |
| To, The President, M/s. Jai Bhairav Welfare Society Out Side Nathusar Gate, Bikaner Distt Bikaner 334001, Rajasthan, |      |
| Sir,   |      |

Sub: Tender for the Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan) Submission of Part II - Price Offer-Reg.

Ref:- Our tender (Technical Bid) submitted for the "Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan)"

In continuation of our above tender, we submit herewith the price offer for the "Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan)" as specified by JAI BHAIRAV WELFARE SOCIETY, BIKANER in this tender document.

We agree to abide by the terms and conditions stipulated by the Jai Bhairav Welfare Society, Bikaner and also agree to complete the entire contract, at the rates quoted by us. The rate quoted and approved by the Jai Bhairav Welfare Society, Bikaner in this tender will hold good as per Jai Bhairav Welfare Society, Bikaner tender conditions.

Yours faithfully,

#### ANNEXURE - VIII

# Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan)

Site Location : Harolai Mandir Road, Out Side Nathusar Gate,

Bikaner-334001 Rajasthan.

Brief description of work:Covered Area 1800 Sq feetPlot Size:25' x 40' (1000 sq. ft. per floor)Total Carpet Area:1800 sq. ft. (Double Story)

Total Land Area:1000 Sq.ft.Grand Floor Area:900 Sq. ft.First Floor Area:900 Sq. ft.Open Area:100 Sq. ft.Total Prop. Covd. Area:1800 Sq. ft.

| DESCRIPTION OF<br>WORKS                | Details Specification Required                       | RATE/ Amount   |
|--|--|--|
| Glass Doors                            | Main Entrance Glass Door                             |  |
| Glass Work                             | Glass Work   |  |
| Shutters                               | Shutters   |  |
| Sign Board/frond facade                | Sign Board/frond facade                              |  |
| Display Decorations areas              | Display Wall Panels                                  |  |
|  | Display Counters                                     |  |
|  | Ceiling Decoration (Display Area)                    |  |
|  | Display Lighting                                     |  |
|  | Storage/Back-end Display Units                       |  |
|  | Signage & Graphics                                   |  |
|  | Painting & Finishing                                 |  |
|  | Electrical Fittings for Display                      |  |
| Racks, Shelves,<br>Furnitures, office, | Wall-Mounted Display Racks & Shelves                 |  |
| sale and packing counters              | Free-Standing Display Racks                          |  |
|  | Office Furniture                                     |  |
|  | 1 Table  |  |
|  | 2 Storage Units                                      |  |
|  | 3 Chairs   | <u> </u>   |
|  | 4 Conference Table                                   |  |
|  | Racks, Shelves, Furnitures, office, sale and packing | Glass Doors  Main Entrance Glass Door  Glass Work  Shutters  Sign Board/frond facade  Display Decorations areas  Display Counters  Ceiling Decoration (Display Area)  Display Lighting  Storage/Back-end Display Units  Signage & Graphics  Painting & Finishing  Electrical Fittings for Display  Racks, Shelves, Furnitures, office, sale and packing counters  Office Furniture  1 Table  2 Storage Units  3 Chairs |

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|    |  |        |                        | Page |
|----|--|--------|------------------------|------|
|    |  | 5      | Packing Counter        |      |
|    |  | 6      | Storage                |      |
|    |  | 7      | Hardware & Accessories |      |
|    |  | 8      | Finish                 |      |
|    |  | 9      | Laminate Finish        |      |
|    |  | 10     | Electrical Provisions  |      |
| 7  | Wall Putty & Plastering                    | Wall I | Putty & Plastering     |      |
| 8  | Wall Painting                              | Wall I | Painting               |      |
| 9  | Wall Paneling Work                         | Wall I | Paneling Work          |      |
| 10 | Floor Tiles & wall tiles                   | Floor  | Tiles & wall tiles     |      |
| 11 | False Ceiling Work                         | False  | Ceiling Work           |      |
| 12 | Drinking water<br>dispenser, Plumbing      | DRIN   | KING WATER DISPENSER   |      |
|    | Work and Rest<br>Room Accessories          | PLUM   | MBING WORK             |      |
|    |  | 1      | Water Supply System    |      |
|    |  | 2      | Drainage System        |      |
|    |  | 3      | Water Storage          |      |
|    |  | 4      | Fixtures & Fittings    |      |
|    |  | 5      | RESTROOM ACCESSORIES   |      |
|    |  | 6      | Soap Dispenser         |      |
|    |  | 7      | Towel Dispenser        |      |
|    |  | 8      | Grab Bar               |      |
|    |  | 9      | Dustbins               |      |
|    |  | 10     | Exhaust Fan            |      |
|    |  | 11     | Toilet Roll Holder     |      |
|    |  | 12     | Urinal Screen          |      |
| 13 | Electrical Fitting,<br>Lightings/sound and | Show   | room Display Lighting  |      |

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|    | solar                            | General Illumination                   |
|----|----------------------------------|--|
|    |                                  | Accent Lighting                        |
|    |                                  |  |
|    |                                  | Outdoor Lighting                       |
|    |                                  | Wiring                                 |
|    |                                  | ELECTRICAL FITTINGS                    |
|    |                                  | Switches & Sockets                     |
|    |                                  |  |
|    |                                  | 2. Distribution Board                  |
|    |                                  | 3. Earthing                            |
|    |                                  | SOUND SYSTEM                           |
|    |                                  | SOLAR POWER SYSTEM                     |
| 14 | Air- Conditioners                | 1.5 TR split AC                        |
|    |                                  | 2.0 TD1's A.C                          |
|    |                                  | 2.0 TR split AC                        |
| 15 | Computers, software,<br>Printers | COMPUTERS                              |
|    |                                  | SOFTWARE                               |
|    |                                  | PRINTERS                               |
|    |                                  | Multifunction Printer (MFP)            |
|    |                                  | Color Printer (For Marketing Material) |
|    |                                  | Laser Printer (Monochrome)             |
|    |                                  | Laptop                                 |
|    |                                  | Сарюр                                  |
| 16 | Security Camera Installation &   | CCTV SYSTEM COMPONENTS                 |
|    | Display                          | 1 Cameras                              |
|    |                                  | 2 NVR (Network Video Recorder)         |
|    |                                  | 3 Display Monitor                      |
|    |                                  | 4 Networking & Accessories             |
|    |                                  | 5 INSTALLATION REQUIREMENTS            |
|    |                                  | 6 DISPLAY & CONTROL                    |
|    |                                  |  |

|    |                           |         |  | 1 4 5 0 10 |
|----|---------------------------|---------|--|------------|
|    |                           | 7       | TESTING & COMMISSIONING                  |            |
| 17 | Fire Extinguishers        | 06 Fire | Extinguishers                            |            |
| 18 | LED Display               |         | Size: Minimum 55" LED Commercial y Panel |            |
| 19 | Inverter for power backup | Inverte | r for power backup                       |            |

#### Note:

- a) The Bidder shall quote the Lump sum costs in the above given format.
- b) The lump sum offer shall provide for all superintendence, labour, technical assistance, material, plant, equipment and all other things required for executing and completing all the works as per defined Scope of Work.

# **CHECKLIST OF DOCUMENTS**

# **Documents to be enclosed in Part-I:**

| S.No | Checklist  | Enclosed<br>(Yes/No) | Reference in the Bid<br>(Page No.) |
|------|--|----------------------|------------------------------------|
| 1    | A covering letter on your letter head addressed to The President, M/s. Jai Bhairav Welfare Society Out Side Nathusar Gate, Bikaner Distt Bikaner 334001, Rajasthan, (as per Annexure-II) |                      |                                    |
| 2    | Tender conditions duly signed in each page and enclosed in token of accepting the Tender conditions  |                      |                                    |
| 3    | Authorization letter from the Company for the person to sign the tender  |                      |                                    |
| 4    | Details of the Tenderer (as per Annexure-III)  |                      |                                    |
| 5    | Declaration for not having black listed by any other Govt. agencies (as per Annexure-IV)   |                      |                                    |
| 6    | Declaration for not having tampered the Tender documents downloaded from the websites (Annexure-V).  |                      |                                    |
| 7    | Bid Security Declaration form (as per<br>Annexure VI)  |                      |                                    |
| 8    | The copy of certificate of incorporation/registration.   |                      |                                    |
| 9    | Copy of Memorandum and Articles of Association   |                      |                                    |
| 10   | Copy of Registered Partnership deed, in case of Partnership Firm   |                      |                                    |
| 11   | Copy of Udyog Aadhaar, GST<br>Registration Certificate & PAN Card  |                      |                                    |
| 12   | Notarized translated English version of the documents in a language other than English/Tamil, if any   |                      |                                    |

# Documents to be enclosed in Part-II

| S.No | Checklist  | Enclosed (Yes/No) |
|------|--|-------------------|
| 1.   | A covering letter on your letter head addressed to The Prisdent, Jai Bhairav Welfare Society Out Side Nathusar Gate, Bikaner DisttBikaner 334001, Rajasthan, (as per Annexure-VII) |                   |
| 2.   | Price Bid as per Annexure- VIII of the Tender document.  |                   |

Both 'Part I – Technical bid' cover and 'Part II – Price bid' cover must be placed in a separate sealed cover superscripted as "Tender for the Handicraft Emporium (Construction & Complete Interior Development, Civil, Electrical, Furniture and Services) at Bikaner (Rajasthan)" and addressed to ("Jai Bhairav Welfare Society Out Side Nathusar Gate, Bikaner Distt.- Bikaner 334001, Rajasthan,), containing the name and address of the Tenderer.

Note: Tenders submitted in unsealed cover would summarily be rejected.