

प्रतिभूति कागज कारखाना, नर्मदापुरम - 461005 (म.प्र.)

सिक्योरिटी प्रिंटिंग एंड मिंटिंग कॉरपोरेशन ऑफ इंडिया लिमिटेड की इकाई (भारत सरकार के पूर्ण स्वामित्वाधीन)
मिनिरातन श्रेणी-I सीपीएसई एवं आई.एस.ओ. 9001:2015, 14001:2015, 45001:2018, 50001:2018 एवं आईईसी 17025:2017 प्रमाणित



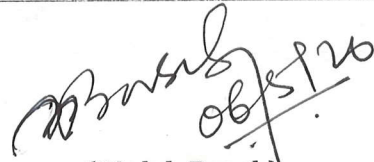
SECURITY PAPER MILL, NARMADAPURAM - 461005 (M P)

A Unit of Security Printing & Minting Corporation of India Limited (Wholly owned by Government of India)
Miniratna Category-I CPSE & ISO 9001:2015, 14001:2015, 45001:2018, 50001:2018 & IEC 17025:2017 Certified
CIN:U22213DL2006GOI144763, GSTIN: 23AAJCS6111J3ZE

Tel. No.: 07574-255259, E-mail: gm.spm@spmcil.com, Website: <http://spmarmadapuram.spmcil.com>

INVITATION FOR EXPRESSION OF INTEREST (EOI)

1.	Name of the organization	:	Security Paper Mill, Narmadapuram Madhya Pradesh 461005.
2.	Type of the organization	:	A Miniratna Category-I CPSE and Wholly owned by Government of India
3.	EOI Reference No.	:	EOI/RENOVATION/R&D/LAB/26-27/124
4.	EOI Title	:	Expression of Interest (EOI) for Renovation of R&D Laboratory of SPM, Narmadapuram
5.	Category	:	Non-Security, Non Transferable
6.	Sub-category	:	R&D (CAPEX)
7.	Date of Annoucement	:	06.05.2026
8.	Last date for submission	:	05.06.2026 before 11.00 hrs.
9.	EOI Open Date	:	05.06.2026, 03.00 PM
9.	Technical Specifications and Quality Requirement	:	Attached As Anneuxre I & Annexure-II
10.	Budgetary Quotation	:	Firms who have experience in execution of civil and structural works for similar projects are invited to submit their budgetary quotation as per the attached Scope of Work & Quality Control Requirement (Annexure I & II)
11.	Procurement Process	:	Open
12.	Specimen Response letter to EOI	:	Mr. Biplab Basak (Manager (Material) & Material Head)
13.	Submission of EOI	:	Tenderers shall ensure that their EOI, duly signed and complete in all respects as per the instructions contained in the EOI document, is submitted through email on or before the closing date and time indicated in the EOI, failing which the EOI shall be treated as late and rejected. The EOI shall be submitted in single PDF file (duly signed and stamped) through email, clearly mentioning the EOI Reference No., Date and Due Date in the subject line of the email. The EOI should be sent to the following email address: Email ID: biplab.basak@spmcil.com , kishor.khandekar@spmcil.com , virendra.bhatt@spmcil.com , purchase.spm@spmcil.com EOIs received after the due date and time shall not be considered. Submission of EOI through Fax or any mode other than the specified email shall not be accepted and will be summarily rejected.



(Biplab Basak)

Manager (Material) & Material Head
For Chief General Manager

Annexure-I

Technical Specifications

- 1) False Ceiling with lights & AC ducts (with thermal insulation) at R&D lab, AM office, front office, Wet lab with calcium silicate antimicrobial Bio safe false ceiling tiles (Qty:-1237.25 sft)-

Supply and installation of false ceiling (With 15 mm thick tegular/butt edged without perforation plain/designer light weight calcium silicate Anti-Microbial Bio-Safe coated false ceiling tiles Confirming to JIS-Z2801 and ASTM G-21) at all heights with integral densified calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm, to be laid in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanized iron section of 0.33 mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600 mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanized mild steel items (galvanizing @ 80 grams per sqm) i.e. 12x50 mm long dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6 mm thick with precut hole on both 25 mm flange to pierce into 12x50 mm or even bigger size dash fastener if required, fixed with Galvanized iron perimeter wall angle or size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws.

The false ceiling tiles must exhibit a minimum light reflectance greater than 85%, thermal conductivity less than 0.043 W/mK, and be non-combustible as per BS 476 Part IV.

AC Ducting: Supply and installation of proper ducting from AC units to the R&D Hall, wet lab and allied area (approx. AC ducting running length: 55 meter) with GI plain ducts (0.63mm thick sheet) with standard thermal insulation and with isolation flappers/dampers. All fittings and fixtures necessary for ducting shall be in scope of firm.

Lights: Supply, installation & testing of 36 W Recessed type LED Panel (size 2X2 sqft) with minimum 1 sq mm FR copper multi strand wire along with mounting accessories in casing capping /concealed (as per site requirement) with minimum 12 LED Panel for minimum average light intensity of 500 lux. Each LED Panel should be provided with wiring from LED Panel to individual modular switch & complete switch board.

Make:

(I) LED Panel: Bajaj/Philips or equivalent.

(II) Wire: Polycab/RR kablel or equivalent.

- 2) **Closing of Ventilation Windows(Qty:- 6 Nos.)**:- Closing of ventilation windows (1.5 x 2.00 feet) by one brick wall, plaster 12mm on finished face and 15mm on rough face of brick work, etc complete. Brick work with common burnt clay modular bricks Cement mortar 1:4 (1 cement : 4 coarse sand).
- 3) **Supply & Installation of UPVC windows- (Qty:- 297FT²)**:- Providing and fixing factory made uPVC white colour sliding glazed window upto all height in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing

beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of SPM. (including Single/ double glass panes, wire mesh and silicon sealant)

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension including civil works, structural modifications or masonry works at site all complete.

Using R3 series with frame (98 mm and above) x (40 mm and above) x (74 mm and above).

4) **Supply & Installation of Safety Grills(Qty-136FT2):-** Providing and fixing M.S. grills made with 30x5 mm outer flat and 12mm square bar (125 c/c) in frames of windows etc. with M.S. flats, square and square bars internal member etc. including primer and synthetic enamel paint of make like Asian paint, Burger, Kansai, Dulux, Indigo or equivalent.

5) **Cabinet Doors(Lofts)(Qty:- 275.550FT2):-** "Supply & Installation of Cabinet doors (Lofts) (23 doors, 14 sliders)- 18mm Prelaminated marine ply- Providing, Assembling and Fixing of Factory made modular cabinet With all hardware, accessories and fittings, having cabinet made up of 18mm Pre-laminated marine ply both side balancing for (Top, bottom& side) and 8mm Pre-laminated marine ply for wall (back)side all edges sealed with PVC edge binding tape. Open able shutters and drawers made up of 18mm Pre-laminated marine ply with 1.5mm acrylic laminate of approved shade on front side and other side balancing laminate with pvc edge binding tape, having profile handles of Aluminium. The shutters are to be fixed with help of soft closing hinges. The drawer system is to be provided with soft close channels.

hardware details: 1.Hinged Shutters (23 Nos.)

Soft-close concealed hinges: 35 mm cup, 110° opening angle – 70 Nos.

Handles: Aluminium, 150 mm – 23 Nos.

Magnetic catches: Standard type – 23 Nos.

SS screws: 3.5 × 16 mm and 3.5 × 25 mm – 2 Boxes

2.Sliding Shutters (14 Nos. = 7 Sets)

Aluminium top sliding track: Double track – 7 lengths

Aluminium bottom sliding track: Double track – 7 lengths

Sliding rollers/wheels: Heavy-duty nylon, 4 per shutter – 56 Nos.

Sliding stoppers: Standard – 14 Nos.

Handles:	Aluminium,	150	mm	–	14	Nos.
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3. General Accessories (Common)

PVC edge band: 0.8/1.0 mm – 150–200 Rmt

Corner blocks: Nylon/wooden – 30–40 Nos.

Silicone sealant: Neutral cure – 2–3 Tubes
Screw cover caps: Matching shade – 1 Pack"

- 6) **Shifting & Installation of 5T AC(Qty: 2Nos):-** Dismantling of existing 2 nos. of 5 ton AC indoor and outdoor units and Safe transportation to new location, reinstallation (mounting indoor/outdoor units, piping, drains) Includes brackets, base frame, refrigerant piping, topping up of refrigerent gas, insulation, drain piping, wiring, testing, commissioning, etc.
- 7) **Internal Painting(Qty:-5460FTS):-** Preparation of site, wall Painting with acrylic emulsion paint, having VOC (Volatile Organic Compound) content less than 50 grams/ liter of make Asian Paint, Burger, Kansai, Dulux, Indigo or equivalent brand & give an even shade (Two or more coats).
- 8) **External Painting(2300FT2):-**Site preparation & removing of old paint with minor repairs, wall application of primer, painting with Acrylic Smooth exterior paint (with antifungal) (two or more coats) of make Asian Paint, Burger, Kansai, Dulux, Indigo or equivalent brand.
- 9) **Supply & Installation of Granite Top(Qty 107.500FT2):-** Removal of existing tiles and Supply, Installatiion of Acid resisntant granite top- Demolishing the existing platform tiles and supplying and fixing of new 18 mm thick acid and alkali resistant granite top of standard make and color using acid and alkali resisting mortar bedding, and joints filled with acid and alkali resisting cement as per IS : 4457.
- 10) **Replacement of Acid Resistant Tiles(Qty-120FT2):-**Replacement of Acid resisntant tiles on walls- Demolishing the existing wall tiles and supplying and fixing of new 10 mm thick acid and alkali resistant tiles of standard make using acid and alkali resisting mortar (In dado/skirting on 12 mm thick mortar 1:4) bedding, and joints filled with acid and alkali resisting cement as per IS : 4457.
- 11) **Provision of door between wet lab and R&D(Qty-1Nos):** making provision for door on existing wall(size: 7x4 feet): Door Shutter With frame
-Aluminum Section: Size – 7' × 4', Thickness – 1.5 mm (minimum) Supply and fixing Aluminium work for doors with extruded built up standard tubular sections/ appropriate Z sections (outer 100 x 5 mm and internal 75 x 30 mm)and other sections of standard make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete. Powder coated Aluminium (minimum thickness of powder coating 50 micron). Providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required. Providing and fixing 12 mm thick pre-laminated particle board (with decorative lamination on one side and balancing lamination on other side) flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in Aluminium doors and partition frames with C.P. brass / stainless steel screws, beading etc. complete. Providing and fixing glazing (float glass panes of 5 mm thickness) in Aluminium door with EPDM rubber / neoprene gasket, beading etc. complete. Door should be provided with auto door closure of standard make. Hardware dimentions:

Hinges: minimum 3 per door, 4–6 inches height × 3–4 inches width × 2–3 mm thickness

Pull Handles: two aluminum or stainless steel pull handles for both sides of the door (12–18 inches length, 1–1.5 inches diameter)

Tower Bolts: One or two, 6–12 inches in length, aluminum or stainless steel for additional security.

Door Lock: Mortise lock, stainless steel body with brass cylinder and lever handle set, suitable for aluminum doors.

Door stopper: Floor-mounted or wall-mounted, 3–4 inches height × 1–1.5 inches diameter, stainless steel with rubber tip.

Door Closer:

Hydraulic, surface-mounted, adjustable speed, suitable for 7' × 4' aluminum door (70–80 kg), silver anodized finish, IS 3564:1995 compliant non body with silver finish.

12) Chemical Storage Rack with sliding doors(Qty:1Nos)-Supply & Installation of Chemical storage

Rack with sliding doors (Size: 7x4 feet, depth 2.5 feet)-

Supply, Assembling and Fixing of chemical storage rack with Sliding doors With all hardware, accessories and fittings, rack should have minimum 4 horizontal partitions. Rack made up of 18mm Pre-laminated marine ply both side balancing for (Top, bottom& side) and 8mm Pre-laminated marine ply for wall (back)side all edges sealed with PVC edge binding tape. Sliding doors made up of 18mm Pre-laminated marine ply with 1.5mm acrylic laminate of approved shade on front side and other side balancing laminate with pvc edge binding tape, suitable handles. Hardware Details : Sliding top track (Aluminium, double track, 7 ft) – 1 No.

- Sliding bottom track (Aluminium, double track, 7 ft) – 1 No.
- Sliding rollers (heavy-duty) – 8 Nos.
- Sliding door stoppers – 2 Nos.
- Bottom guides – 2 Nos.
- Handles (Aluminium, 150 mm) – 2 Nos.
- Shelf support pins – 16 Nos.
- PVC edge band (0.8/1 mm) – 40–50 Rmt
- SS screws (16 mm & 25 mm) – 1 box each
- Silicone sealant – 1–2 tubes
- Screw cover caps – 1 pack
- Corner/support blocks – 10–12 Nos.

13) Reconstruction of Existing Floor(Qty-342.250FT²):-Demolishing existing floor including tiles,

RCC/CC base and disposal of material upto 2 km of lead. PCC (1:4;8) below RCC, Construction of new RCC floor base (150 mm thick) of grade M-20 and supplying and fixing of vitrified tiles of size 600x600mm of make like kajaria, Orient bell, AGL, H&R Johnson, Simpulo or equivalent (with reinforcement 10 mm dia 250 mm C/C both ways). Type of reinforcement: Thermo-Mechanically Treated bars of grade Fe-500D or more.

14) Repair of Roof at Joint Area(Qty-35Feet):- Repair of roof at joint area for arresting of leakage

and waterproofing- Repairing of roof at jointing of slab using grouting of cement mortar/bitumen/water tightening chemicals for arresting of leakage and waterproofing (including testing).

Warantee period for water proofing- minimum 1 year from the date of successful completion and certification.

- 15) **Reconstruction of Drains(Qty-120ft)**:-Demolishing the existing drain of cement concrete and reconstruct drain in RCC (Thickness of wall and base for proposed RCC drain: 100 mm), PCC (1:4;8) below RCC base, Thermo-Mechanically Treated bars of grade Fe-500D or more of 10 mm bar (125 mm c/c), grade M-20 motor. Drain size 300x300mm. Supply & fixing of RCC drain covers of depth 50 mm thickness 50 mm and construction of 2 nos of chambers 600x600x600 mm with cover.
- 16) **Supply and Installation of Drain Pipes(Qty-100ft)**:- Supply and laying of 150 mm dia. of PVC pipe of 8 kg/cms including excavation at required depth depends on site condition and refilling the same excavated soil dressed complete with 2 chambers (with cover) of size 450x450x450 mm. Details of chamber covers: C.I. cover with frame of 300 x 300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design.
- 17) **Wall Mounted Fans(Qty-12Nos)**:- Supply, installation & testing of 12 nos. oscillating wall mounted fan 3 blade (400 mm sweep) of size 16 inches Speed: Minimum 1300 RPM, Power Supply: Single-phase, 230V AC along with the complete wiring from fan point to switchboard with 1.5 sq mm FR copper multi strand wire along with earthing connection & mounting accessories. The wiring should be done is Casing Capping /concealed (as per site requirement) & each Fan should be provided with individual switch at suitable location.
Make: Bajaj/Usha/Orient or equivalent.
- 18) **Window Glass with Aluminium Frame(Qty-4Nos)**:-Supply & Installation of window glass with aluminium frame (7x7 feet)- Providing and fixing Aluminium work for windows, and partitions with extruded built up standard tubular sections/ appropriate Z sections outer frame 100x 45mm, internal frame 75x30 mm and other sections of standard make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, including glazing glass of thickness not less than 5 mm and Aluminium work will be of 18 gauge all complete.
Hardware Fittings:
Handles: 2 Nos., aluminum or stainless steel
Hinges / Sliding Rollers: 2-3 Nos. per shutter (as applicable)
Lock: 1 No., standard aluminum window lock
Fasteners: Dash fasteners of required diameter and size
Gaskets: EPDM rubber / neoprene gasket for airtight and watertight sealing
Screws: C.P. brass / stainless steel screws
Beading: Aluminum snap beading for glazing/paneling
Finishing:
Powder-coated or anodized (natural silver finish)
- 19) **Extension of Flase Ceiling(Qty-91FT2)**:- Extention of flase ceiling of paper testing lab (3.25x 28 feet)- Providing and fixing false ceiling (With 15 mm thick tegular/butt edged without perforation plain/designer light weight calcium silicate Anti-Microbial Bio-Safe coated false ceiling tiles Confirming to JIS-Z2801 and ASTM G-21) at all heights with integral densified

calcium silicate reinforced with fibre and natural filler false ceiling tiles of Size 595x595 mm, to be laid in true horizontal level suspended on interlocking metal T-Grid of hot dipped galvanized iron section of 0.33 mm thick (galvanized @ 120 grams per sqm including both sides) comprising of main-T runners of size 24x38 mm of length 3000 mm, cross - T of size 24x32 mm of length 1200 mm and secondary intermediate cross-T of size 24x32 mm of length 600 mm to form grid module of size 600 x 600 mm, suspended from ceiling using galvanized mild steel items (galvanizing @ 80 grams per sqm) i.e. 12x50 mm long dash fasteners, 6 mm dia fully threaded hanger rod upto 1000 mm length and L-shape level adjuster of size 76x25x25x1.6 mm fixed with grid and Z cleat of size 25x37x25x1.6 mm thick with precut hole on both 25 mm flange to pierce into 12x50 mm or even bigger size dash fastener if required, fixed with Galvanized iron perimeter wall angle or size 24x24x0.40 mm of length 3000 mm to be fixed on periphery wall / partition with the help of plastic rawl plugs at 450 mm center to center and 40 mm long dry wall S.S screws.

The false ceiling tiles must exhibit a minimum light reflectance greater than 85%, thermal conductivity less than 0.043 W/mK, and be non-combustible as per BS 476 Part IV.

Providing and fixing of LED ceiling lights (20 watt) for sufficient illumination.

- 20) **Extension of partition at wet lab(Qty-100FT2):-** Extension of partition at wet lab (10x10 feet)- Supplying and fixing aluminium work for partitions with extruded built up standard tubular sections/ appropriate Z sections 100x45mm and other sections of standard make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, including glazing (polycarbonate) of thickness not less than 3 mm and aluminium work will be of 18 gauge all complete. Hardware Fittings:
C.P. brass / stainless steel screws
Dash fasteners of required diameter and size
Handles / locks (if applicable)
Number of fittings as per panel layout and design
d. Thickness of Particle Board:
[Specify thickness, e.g., 12–18 mm] for paneling sections (if used in part of partition)

- 21) **Partition with door(8x8) Qty-64FT2:-** Supply & instattion of Partition with door (8x8 feet)- Providing and fixing Aluminium work for door and partitions with extruded built up standard tubular sections/ appropriate Z sections outer 100x45mm and internal 75x30 mm and other sections of standard make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, including glazing glass of thickness not less than 5 mm and 12 mm thick pre-laminated particle board (with decorative lamination on one side and balancing lamination on other side) flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II,

Aluminium work will be of 18 gauge, to provide and install automatic door closure of standard make, all complete.

Door Shutter: With frame

Hardware Fittings:

Handles: 1–2 Nos., aluminum or stainless steel

Hinges: 2–3 Nos. per shutter, stainless steel/aluminum

Lock: Mortise or standard aluminum lock

Screws: C.P. brass / stainless steel

Dash fasteners of required diameter and size

Door Closer:

Automatic hydraulic type

Adjustable closing and latching speed

Suitable for door weight up to 70–80 kg

Surface-mounted, silver anodized or powder-coated finish

22) **Provision of door for wet lab with frame(Qty:-1 Nos.)**:- Supply & Installation of door with frame (door Size: 7x3.8 feet)-Providing and fixing aluminium work for door with extruded built up standard tubular sections/ appropriate Z sections outer 100x45mm and internal 75x30 mm and other sections of standard make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, including glazing glass of thickness not less than 5 mm and 12 mm thick pre-laminated particle board (with decorative lamination on one side and balancing lamination on other side) flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, Aluminium work will be of 18 gauge, to provide and install automatic door closure of standard make, with frame, all complete.

Door Shutter: With frame

Hardware Fittings:

Handles: 1–2 Nos., aluminum or stainless steel

Hinges: 2–3 Nos. per shutter, stainless steel/aluminum

Lock: Mortise or standard aluminum lock

Screws: C.P. brass / stainless steel

Dash fasteners of required diameter and size

Door Closer:

Automatic hydraulic type

Adjustable closing and latching speed

Suitable for door weight up to 70–80 kg

Surface-mounted, silver anodized or powder-coated finish

23) **Provision of RCC platform with granitetop(Qty-1AU)**:-Provision of RCC platform (Size: 18x2 feet)using reinforcement cement concrete grade M-20 with reinforcement 8 mm dia 150 mm spcing both ways & Supply, installation of 18 mm thick acid and/or alkali resistant granite top of standard make and colour using acid and/or alkali resisting mortar bedding, and joints filled with acid and/or alkali resisting cement as per IS : 4457, complete (18x2x3).

24) **Supply, Installation of tiles on Wall(Qty-1AU):-** Supply, Installation of tiles on wall (area: 18x2 feet): Supplying and fixing of 10 mm thick acid and alkali resistant tiles of standard make not less than 300x300 mm size and color using acid and alkali resisting mortar bedding, and joints filled with acid and alkali resisting cement as per IS : 4457. In dado/skirting on 12 mm thick mortar 1:3 (1 acid proof cement : 3 coarse sand).

25) **Sliding Windows in Lobby- UPVC 3 track(Qty-183.750FT2):-** Providing and fixing factory made uPVC white colour sliding glazed window upto all height in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of SPM. (including Single/ double glass panes, wire mesh and silicon sealant)

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension including civil works, structural modifications or masonry works at site all complete.

Using R3 series with frame (98 mm and above) x (40 mm and above) x (74 mm and above).

26) **Provision of UPVC windows for lobby 3 tr(Qty 300FT2):-** Supply & Installation of UPVC windows for lobby (50% area fixed UPVC windows and 50% area 3 track UPVC windows)- Providing and fixing factory made uPVC white colour sliding glazed window upto all height in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent

finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of SPM. (including Single/ double glass panes, wire mesh and silicon sealant)

Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.

Three track three panels sliding window with fly proof SS wire mesh (Two nos. glazed & one no. wire mesh panels) made of (small series) frame 92 x 44 mm & sash 32 x 60 mm both having wall thickness of 1.9 ± 0.2 mm and single glazing bead of appropriate dimension including civil works, structural modifications or masonry works at site all complete.

27) Renovation of Toilet(Qty:- 1AU):

Scope of supply & work:

a. Safety grill for toilet window (3x2 feet)- Providing and fixing M.S. grills made with outer m.s. flat of size 30x5 mm and internal member 12mm square bar (125mm c/c) in frames of windows etc. with M.S. flats, square or round bars etc. including primer and synthetic enamel paint of standard make like Asian Paint, Burger, Kansai, Dulux, Indigo or equivalent, all complete.

b. Replacement of Door with frame (1 No)- Door Size: 2.5x7 feet

Providing and fixing aluminium work for door with extruded built up standard tubular sections/ appropriate Z sections outer 100x45mm and internal 75x30 mm and other sections of standard make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, including glazing glass of thickness not less than 5 mm and 12 mm thick pre-laminated particle board (with decorative lamination on one side and balancing lamination on other side) flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, Aluminium work will be of 18 gauge, to provide and install automatic door closure of standard make, with frame, all complete.

Door Shutter: With frame

Hardware Fittings:

Handles: 1–2 Nos., aluminum or stainless steel

Hinges: 2–3 Nos. per shutter, stainless steel/aluminum

Lock: Mortise or standard aluminum lock

Screws: C.P. brass / stainless steel

Dash fasteners of required diameter and size

Door Closer:

Automatic hydraulic type

Adjustable closing and latching speed

Suitable for door weight up to 70–80 kg

Surface-mounted, silver anodized or powder-coated finish

c. Replacement of toilet doors (WPC) (2.5x7 feet) (2 Nos.)-

Supply and fixing of factory-made, single-extruded WPC solid door shutter and matching frame, Density: $\geq 650\text{kg/m}^3$ (shutter) manufactured from virgin PVC polymer (K value 58 60, suspension grade), calcium carbonate filler, and natural wood fibers.

Door Shutter with Frame

Size of Frame & Thickness of Shutter:

Frame: Matching WPC door, 65x125mm

Shutter: 2.5' x 7', thickness 25-30 mm (typical for WPC doors)

Finish: Smooth, durable, suitable for wet areas.

d. Provision of urinals with drain line (3 nos.)- Providing and fixing white vitreous china flat back half stall urinal of size 580x380x350 mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in C.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass, including painting of fittings and cutting and making good the walls and floors wherever required : 17.5.1 Single half stall urinal with 5 litre P.V.C. automatic flushing cistern with upvc supply pipe of required diameter as per direction of engineer.

e. Western toilet with flush tank, health faucet (1 No)-

Removing of existing western commode, floor, dumping the same upto 2 Km area.

Providing and fixing white vitreous china water closet (European type) Orissa pattern W.C. pan 580x440 mm with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, health faucet, overflow arrangement with specials of standard make and mosquito proof coupling complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.

f. Indian toilet Orissa pattern W.C. pan 580x440 mm with Flush tank & health faucet (1 No)- Removing of existing commode, floor and dumping the same upto 2 Km area.

Providing and fixing Indian toilet with tile work, all complete. Providing and fixing 10 litre low level white vitreous china

flushing cistern & health faucet for Indian toilet, including painting of fittings and brackets, cutting and making good the walls and floors wherever required.

g. Wash basin with mirror (1 No.)- Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, PVC waste pipe, including painting of fittings and brackets, cutting and making good the walls wherever required: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps with mirror (2x3 feet).

h. Lights (4 Nos.)- Supplying and fixing of Led lights (20 watt) including electrification. Supply, installation & testing of 04 nos. 20/22 W LED tube light with minimum 1 sq mm FR copper multi strand wire along with mounting accessories in casing capping /concealed (as per site requirement). Each LED light should be provided with wiring from LED light to individual switch & complete switch board.

Make: LED light : Bajaj/Philips/crompton or equivalent.

i. Exhaust fan (1 No.)- Supply, installation & testing of 01 no. Exhaust fan of 300 mm sweep of size 12 inches Speed: Minimum 1300 RPM, Power Supply: Single-phase, 230V AC along with the complete mounting & wiring from exhaust fan point to switchboard should be of 1.5 sq mm FR

copper multi strand wire along with earthing connection & mounting accessories. The wiring should be done in Casing Capping /concealed (as per site requirement) & should be provided with switch at suitable location. Make: Bajaj/Usha/Crompton or equivalent.

j. Replacement of floor tiles & wall tiles (500 sft) (Size: 600x600 xmm) including consiled pipelines- Demolishing of existing floor and wall tiles make them good and clear, provision of consiled upvc pipe line of desired diameter as per site condition and make the wall clean and clear using cement mortar of grade (1:4) and fixing of new vitrified floor and wall tiles of required size of make like kajaria, Orient bell, AGL, H&R Johnson, Simpolo or equivalent.

General Terms & Conditions:

1. Supply of goods and consumables required to complete all works shall be in the scope of firm.
2. SPMN will provide Electricity & water supply necessary for execution of work.
3. Any auxiliary goods/services necessary for completion of tendered works but not mentioned in tender shall be in scope of firm.
4. Firm may visit (if necessary) the site before submission of bid for better understanding of scope of tendered works.
5. Warantee: The warantee shall be minimum 01 year from the date of successful completion and acceptance.
6. T & P : Shall be arranged by contractor if required.
7. Quantity of work: SPM authority reserve the full rights to decrease the quantities of item, at the time of award tender and any time during execution of contract period or extended period of contract as per its actual requirement.
8. Specifications: The civil work shall be carried out as per relevant IS Code, CPWD specification 2023 Vol. I & Vol. II with up to date correction slips.
9. Records: The Firm shall maintain complete official records like material brought at site register, site order book, cement register, test register, hindrance register etc.. SPM have rights to see these records time to time and firm shall submit all records as mentioned in this point to SPM after completion of the work.
10. Any defect in quality of work or deviations from drawings / specifications pointed out during inspection shall be made good by the contractor in the same way as if pointed out by the representative of SPM, without any cost implication to SPM.
11. The contractor shall himself engage an authorized all time representative on the work capable of managing and guiding the work and understanding the specifications and contract conditions. A qualified and experienced Civil Engineer shall be provided by the contractor as his representative for technical matters. The representative shall take orders as will be given by the SPM executive or his representative and shall be responsible for carrying them out. This representative shall not be changed without prior intimation of SPM executive. The SPM executive has the unquestionable right to ask for changes in the quality and strength of representative of contractor and to order removal from work of any of such staff. The contractor shall comply with such order and effect replacements of the satisfaction of the Engineer-in-charge.
12. Time period: 4 months for execution after award of contract.
13. Payment: Payment shall be done on actual workdone basis.
14. Quality Control requirement:
 - a. The contractor shall submit the manufacturer test certificate of cement, reinforcement and tiles before start of work for each lot/batch.

- b. The testing of various construction materials to be used in the work be in the scope of work of contractor. Tests shall be carried out at any IIT/NIT/Government Engineering College / NABL approved laboratory and its test certificates shall be submitted to SPM.
- c. The tests shall be carried out in accordance to CPWD specifications-2019 Vol-I & Vol-II with up to date correction slips / relevant IS code.
- d. The testing charges including its sampling, packaging, and transportation to the test lab in safe conditions shall be borne by the firm.

Annexure-II

Quality Control Requirement

LIST OF MANDATORY TESTS

- a. The contractor shall submit the manufacturer test certificate of cement, reinforcement and tiles before start of work for each lot/batch.
- b. The testing of various construction materials to be used in the work be in the scope of work of contractor. Tests shall be carried out at any IIT/NIT/Government Engineering College / NABL approved laboratory and its test certificates shall be submitted to SPM.
- c. The tests shall be carried out in accordance to CPWD specifications-2019 Vol-I & Vol-II with up to date correction slips /relevant IS code.
- d. The testing charges including its sampling, packaging, and transportation to the test lab in safe conditions shall be borne by the firm

Bill of Quantities				
Line Item	Item Description	Quantity	Price	Total
10	False Ceiling with lights & AC ducts with thermal insulation	1237.25 sqft		
20	Closing of ventilation windows (1.5 x 2.00 feet)	6 nos		
30	Supply & Installation of UPVC windows	279 sqft		
40	Supply & Installation of safety grills	136 sqft		
50	Cabinet doors (Lofts)	275.55 sqft		
60	Shifting and Installation of 5T AC	2 nos		
70	Internal Painting	5460 sqft		
80	External Painting	2300 sqft		
90	Supply & Installation of granite top	107.5 sqft		
100	Replacement of Acid resistant tiles	120 sqft		
110	Provision of door between wet lab and R&D (size: 7x4 feet)	1 nos		
120	Chemical storage Rack with sliding doors (Size: 7x4 feet, depth 2.5 feet)	1 nos		
130	Reconstruction of existing floor	342.25 sqft		
140	Repair of roof at joint area for arresting of leakage and waterproofing	35 running ft		
150	Reconstruction of Drains	120 ft		
160	Supply & installation of Drain Pipes	100 ft		
170	Wall mounted fans	12 nos		
180	Window glass with aluminum frame (7x7 feet)	4 nos		
190	Extension of false ceiling	91 sqft		
200	Extension of partition at wet lab	100 sqft		
210	Partition with door (8x8)	64 sqft		
220	Provision of door for wet lab with frame (door Size: 7x3.8 feet)	1 nos		
230	Provision of RCC platform with granite top (Size: 18x2 feet)	1 AU		
240	Supply, Installation of tiles on wall (area: 18x2 feet)	1 AU		
250	Sliding windows in lobby- UPVC 3 track	183.75 sqft		
260	Provision of UPVC windows for lobby 3 track	300 sqft		

270	Renovation of Toilet	1 AU		
	a. Safety grill for toilet window	3x2 feet		
	b. Replacement of Door with frame (Door Size: 2.5x7 feet)	1 No		
	c. Replacement of toilet doors (WPC) (2.5x7 feet)	2 Nos.		
	d. Provision of urinals with drain line (size 580x380x350 mm)	3 nos.		
	e. Western toilet with flush tank, health faucet	1 No		
	f. Indian toilet Orissa pattern W.C. pan 580x440 mm with Flush tank & health faucet	1 No		
	g. Wash basin with mirror (2x3 feet)	1 No.		
	h. Led lights (20 watt)	4 Nos.		
	i. Exhaust fan	1 No.		
	j. Replacement of floor tiles & wall tiles (Size: 600x600 xmm) including consiled pipelines	500 sqft		
		GST% & Amount		
		Grand Total Inclusive All		