



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

सिक्योरिटी प्रिंटिंग एंड मिंगिंग कॉर्पोरेशन 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@spmci.com](mailto:gm.spm@spmci.com), Website: <http://spmarmadapuram.spmci.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/IndustrialTiles/SPM/NARMADAPURAM/26-27/270
4.	EOI Title	:	Expression of Interest (EOI) for Providing and Fixing of Industrial Tiles in PM#5, New Pulp Plant & Godown at SPM, Narmadapuram
5.	Category	:	Non-Security, Non Transferable
6.	Date of Annoucement	:	10.06.2026
8.	Last date for submission	:	10.07.2026 before 11.00 hrs.
9.	EOI Open Date	:	10.07.2026, 03.00 PM
9.	Technical Specifications and Quality Requirement	:	Attached As Annexure 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	:	Tenders 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: <a href="mailto:biplab.basak@spmci.com">biplab.basak@spmci.com</a> , <a href="mailto:kishor.khandekar@spmci.com">kishor.khandekar@spmci.com</a> , <a href="mailto:virendra.bhatt@spmci.com">virendra.bhatt@spmci.com</a>  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) & CPSO  
For Chief General Manager

बिप्लब बसाक / BIPLAB BASAK

प्रबंधक (सामग्री प्रबंधन)/ Mgr (MM)

प्रतिभूति कागज कारखाना/ Security Paper Mill,

नर्मदापुरम/ Narmadapuram (M P) 461005

पंजीकृत कार्यालय: सिक्योरिटी प्रिंटिंग एंड मिंगिंग कॉर्पोरेशन ऑफ इंडिया लिमिटेड, तृतीय तल, टॉवर-जी, वर्ल्ड ट्रेड सेंटर, नारोजी नगर, नई दिल्ली-110029  
Regd. Office: Security Printing and Minting Corporation of India Limited, 3rd Floor, Tower-G, World Trade Centre, Nauroji Nagar, New Delhi-110029

**Technical Specifications****Technical Specifications of Industrial Tiles:**

<b>Sr. No.</b>	<b>Item Specifications</b>	<b>Yes/No</b>
<b>1</b>	<b>Tile Dimensions:</b> Each tiles measures <b>500 mm × 500 mm</b> (approx.) with a manufacturing tolerance of <b>±0.5 mm</b> . This precise size ensures seamless alignment during installation and a clean, uniform finish.	
<b>2</b>	<b>Thickness:</b> The nominal tile thickness is <b>7 mm and 10mm</b> , allowing a tolerance of <b>±0.3 mm</b> . This thickness provides high durability and load-bearing capacity, suitable for areas with heavy traffic or machinery.	
<b>3</b>	<b>Weight:</b> The tile weighs for <b>7mm are 9.0 0±0.3 kilograms per square meter &amp; 10mm is 12.60±0.5 kilograms per square meter (kg/m²)</b> . This relatively high weight indicates dense construction, contributing to mechanical strength, dimensional stability, and acoustic performance.	
<b>4</b>	<b>Accessories:</b> <b>Ramps, Corner Tiles</b> To facilitate movement of manpower, trolleys, pallet trucks or forklifts as per the defined loads for the thickness, the accessories	
<b>5</b>	<b>Warranty:</b> The tiles are covered by a <b>10-year manufacturer's replacement warranty</b> , ensuring peace of mind against manufacturing defects and early wear under standard usage conditions.	
<b>6</b>	<b>Anticipated Service Life:</b> The product is engineered for a <b>minimum service life of over 15 to 20 years</b> , assuming standard wear and appropriate maintenance. Its long lifespan contributes to cost-effectiveness and sustainability.	
<b>7</b>	<b>Material Composition:</b> Made entirely from <b>high-grade PVC (Polyvinyl Chloride)</b> , the tiles are designed for strength, chemical resistance, and easy maintenance. PVC also offers good impact and thermal performance in industrial environments.	
<b>8</b>	<b>Method of Installation:</b> <ul style="list-style-type: none"><li>• <b>Type:</b> Modular Dovetail Joint</li><li>• <b>Method:</b> Loosely laid without adhesives or chemicals</li></ul> This <b>adhesive-free and chemical-free system</b> allows for quick installation, dismantling, or relocation. It's especially advantageous in environments where downtime or permanent adhesives are undesirable.	

9	<p><b>Stain Resistance:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard:</b> ISO 26987 – Rated “Good” The tile resists stains from common substances found in industrial and lab environments, maintaining appearance and hygiene over time.</li> </ul>	
10	<p><b>Slip Resistance:</b></p> <ul style="list-style-type: none"> <li>• <b>Test Method:</b> DIN 51130</li> <li>• <b>Rating:</b> R10</li> </ul> <p>This classification ensures moderate slip resistance suitable for areas prone to moisture or oil spills, enhancing workplace safety.</p>	
12	<p><b>Fire Resistance:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard:</b> EN 13501-1</li> <li>• <b>Classification:</b> Bfl-S1 – Class 1 Spread of Flame</li> </ul> <p>This means the tile has <b>very limited flame spread</b> and does <b>not support combustion</b>, making it compliant for use in controlled environments with fire safety requirements.</p>	
13	<p><b>Effect of Castor Chair:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard:</b> EN ISO 4918</li> <li>• <b>Result:</b> Pass (no damage)</li> </ul> <p>The tile surface resists damage from castor wheels typically found in offices, labs, and control rooms—ensuring durability even with regular rolling loads.</p>	
14	<p><b>Flexibility:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard:</b> ISO 24344</li> <li>• <b>Result:</b> Pass – No Cracking</li> </ul> <p>Flexibility under thermal or mechanical stress ensures the tile does not crack, even when laid over uneven surfaces or subjected to heavy rolling loads.</p>	
15	<p><b>Thickness of Wear Layer:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard:</b> EN ISO 24346</li> <li>• <b>Value:</b> 9.92 mm ±0.1 mm</li> </ul> <p>A thick wear layer guarantees long-lasting abrasion resistance, crucial in high- traffic or mechanically active areas.</p>	
16	<p><b>Hardness:</b></p> <ul style="list-style-type: none"> <li>• <b>Test Method:</b> ISO 868</li> <li>• <b>Rating:</b> 92 Shore A ±2</li> </ul> <p>This hardness level ensures a firm surface that can resist indentation without being excessively rigid, which would make it brittle.</p>	
17	<p><b>Impact Resistance:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard:</b> EN ISO 24335</li> <li>• <b>Value:</b> 549 kg/cm<sup>2</sup></li> </ul> <p>With this level of resistance, the tiles withstand heavy objects, dropped tools, or impact from rolling carts without cracking or denting.</p>	
18	<p><b>Noise Reduction:</b></p> <ul style="list-style-type: none"> <li>• <b>Test Method:</b> ISO 10140</li> <li>• <b>Performance:</b> Up to 46 d</li> </ul>	

	The tile reduces ambient noise transmission, making it ideal for machinery rooms, production floors, or clean areas where sound reduction improves working conditions	
19	<p><b>Thermal Insulation:</b></p> <ul style="list-style-type: none"> <li>• <b>Thermal Resistance:</b> 1.1 m<sup>2</sup>K/W</li> </ul> <p>This thermal resistance reduces heat loss through the floor, helping maintain room temperature and energy efficiency.</p>	
20	<p><b>Dimensional Stability:</b></p> <ul style="list-style-type: none"> <li>• <b>Test Standard:</b> EN ISO 24346</li> <li>• <b>Stability Limit:</b> Less than 0.13% shrinkage or 0.3 mm deformation</li> </ul> <p>Ensures tile shape and fit remain stable over time, even with exposure to varying temperatures and loads.</p>	
21	<p><b>Chemical Resistance:</b></p> <ul style="list-style-type: none"> <li>• <b>Standard:</b> EN ISO 26987</li> <li>• <b>Rating:</b> Good resistance to commonly used chemicals</li> <li>• <b>Details:</b> <ul style="list-style-type: none"> <li>○ Resistant to most acids, oils, and gas oils</li> <li>○ No deterioration during short or occasional contact</li> <li>○ Not suitable for prolonged exposure to aggressive solvents or chemicals</li> </ul> </li> </ul>	

### C. Bill of quantities

SN	Item Description	Qty	Unit	Rate	Amount
1	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete 40 mm thick with 20 mm nominal size stone aggregate	600	Sqm		
2	Providing and laying industrial floor tiles of size 500X500 mm conforming to relevant IS code, in all colours and shade, as per technical specification mentioned in Annexure-I, all complete.	14750	Sqm		
3	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.	14750	Sqm		
4	Dismantling epoxy in floors and wall laid in hardner and resin with cleaning of floor and surface preparation including stacking material	14750	Sqm		

	within 50 metres lead For thickness of epoxy floor 4 mm to 10 mm				
5	Providing and fixing pre-moulded joint filler in expansion joints of floor after making the joints dust free with high pressure air jet cleaners, all complete as per direction of the Engineer-in-Charge. (Pre-moulded joint fillers shall be made of bitumen hot sealing compound impregnated fibre board having impregnation more than 35%, conforming to IS:1838 for fibre board and IS: 1834 for hot sealing bitumen compound grade A.)	150	Mtr		

#### D. Other Terms and conditions

1. **Specification:** The civil work shall be carried out as per CPWD specifications 2019 Vol. I & II with up to date correction slip.
2. **T&P:** - No special T&P required. However ordinary T&P required, shall be arranged by the contractor himself.
3. **Time Period:** 10 (Ten) months
4. **Quantity of work:** SPM authority reserve the full rights to increase or 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. SPM reserve the rights "that it is not necessary that all the items will be executed in the said period of contract and therefore the contractor has no right to claim for any works/item of works for the execution in the time period of contract or extended period of the contract."
5. **Records:-** The Firm shall maintain complete official records like material brought at site register, site order book, measurement book, cement register, test register, hindrance register etc.. SPM have rights to see these records any time and firm shall submit all records as mentioned in this point to SPM after completion of the work.
6. **Payments:-** The payment shall be made on monthly basis after measurement of completed work.
7. Removal, shifting, and disposal of all scrap, debris, dismantled materials, and other waste generated during the execution of work at site shall be carried out by the contractor at regular intervals, strictly as per the instructions and directions of the Engineer-in-Charge. The site shall be kept clean and free from obstruction at all times, and no extra payment shall be admissible on this account.
8. proper marking of edges and pathways shall be ensured using marking tape or other suitable marking arrangements as directed by the Engineer-in-Charge. The markings shall be neat, clearly visible, properly aligned, and maintained in an orderly manner to facilitate safe movement, identification of pathways, and systematic utilization of the area.
9. The entire work shall be executed with proper finishing and workmanship, maintaining the required line, level, slope, alignment, and surface finish. Any undulations, uneven surfaces, or defective workmanship observed during inspection shall be rectified by the contractor at his own cost to ensure satisfactory completion of the work.

## **Annexure-II**

### **Quality Control Requirement**

#### **LIST OF MANDATORY TESTS**

The successful bidder shall submit the manufacturer test certificate of cement, reinforcement, and tiles before start of work for each lot/batch. The mandatory tests shall be carried out as per the CPWD specifications 2019 Vol. I & II with up to date correction slip and relevant IS codes and are also in the scope of work of successful bidder. Test shall be carried out at any IIT/NIT/Government Engineering College/ NABL and its test certificates shall be submitted to SPM. The testing charges shall be borne by the firm.