

INDIA SECURITY PRESS

(A Unit of Security Printing and Minting Corporation of India Limited)
Wholly owned by Government of India
Nashik Road - 422 101 (Maharashtra)

Tel: 00 91 253 2465583
Email: purchase.isp@spmcil.com

Fax: 00 91 253 2462718
Website: www.spmcil.com
Date of Issue: 28/09/2024

1. Name of the organization: India Security Press
(a unit of Security Printing and Minting Corporation of India Limited)
2. Type of the organization: Wholly owned by Government of India
3. EOI Reference No: 14/2024 dated 28/09/2024
4. EOI Title: Expression of Interest for "Supply, Installation, Testing and Commissioning of Paper Folding Machine" on National Competitive Bidding (NCB) basis.
5. Category: Non-Security
6. Sub-category: Capital Item
7. Date of Announcement: 28.09.2024
8. Pre-bid Conference: The pre-bid conference will be held on 14.10.2024 at 11.00 hrs IST. The prospective bidders interested to submit their Expression of Interest are requested to attend the Pre-bid conference for clarifications on Technical issues, at India Security Press, Nashik Road. The queries of pre-bid conference, if any, shall reach to Chief General Manager, India Security Press, Nashik on or before 10.10.2024 in writing by Fax/ mail. The interested firms are also requested to submit the name(s) and valid ID proofs of their representative who will attend the pre-bid conference well in advance.
9. Last date for submission: 1430 Hrs (IST) on 05.11.2024
10. The Chief General Manager, India Security Press, Nashik invites Expression of Interest from experienced and reputed manufacturers for Supply, Installation, Testing and commissioning of Paper Folding Machine.

TECHNICAL SPECIFICATIONS/ REQUIREMENTS FOR PAPER FOLDING MACHINE

- A. Statement of Requirement: A State-of-the Art technology Folding Machine to fold printed paper sheets of 80-150 GSM, 25 to 50% rag furnish to achieve imposition of folding of printed sheets of 4/8/16/32 pages for feeding in Stitching Machine for manufacturing of Travel documents.
- B. Technical Requirement:
 - (i) Maximum Paper Size : Minimum 700 mm X 820 mm.
 - (ii) Minimum Paper size : 200 mm X 300 mm.
 - (iii) Size of paper after folding : 192 mm X 266 mm.

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- (iv) Paper used : Machine shall be suitable for 80 GSM to 150 GSM paper with furnish of 25 to 50 % rag content & thickness in proportion with GSM.
- (v) Maximum Speed : Minimum 10000 sheets per hour.
- (vi) Fold Pattern : (a) Size of paper after final fold shall be 192 mm X 266 mm.
(b) Imposition of folding of printed sheets shall be 4/8/16/32 pages.
(c) Machine shall have provision of folding in parallel fold and right-angle folds.
- (vii) Feeder Unit : (a) The feeder shall be pallet Pile feeder type that accepts the piled sheets from the printing machine, front separation advanced suction rotary feed system for fast and consistent feeding.
(b) The pile height shall be minimum 1000 mm.
(c) Machine shall be equipped with Automatic pile height adjustments during the machine run for continuous feeding.
(d) Suitable double sheet detection system shall be provided which ensures the sheet ejection/ stoppage of machine in case of detection of double sheet.
- (viii) Side lay adjustment : (a) The side lay guide shall be coated with special anti-static plating for trouble-free operation in all weather conditions.
(b) The rigid side lay guide shall ensure stable transportation and accurate registration of a wide range of paper stocks.
(c) Provision of Automatic Side lay adjustments with fine setting.
- (ix) Color HMI Panel with Touchscreen : (a) HMI Touch-Screen of minimum 10 inches having Graphical user interface screen to provide intuitive operation for folding setup, speed adjustment and all other fine adjustments.
(b) Monitor shall be capable of displaying the exact fault in the machine with error codes.
- (x) Folding Rollers : (a) Combination of soft Polyurethane/ ebonite and steel folding rollers with ink repellent and wear resistant properties shall be provided to ensure adequate folding precision and quiet operation.
(b) Roller Gap Adjustment: Provision for automatic roller gap adjustments.

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- (xi) Buckle Plate/ Deflector : (a) Specially-coated buckle plates shall be provided to minimize paper friction to maintain fold accuracy.
- (b) Buckle stopper and deflector switching by suitable method shall be provided for efficient operation.
- (c) Buckle opening gap shall be easily adjustable according to the paper GSM and folding pattern without removing buckle.
- (d) Machine shall have minimum configuration of 4 Buckles + 1st fold knife + 2 Buckles below knife + 2nd fold knife.
- (e) Automatic folding adjustment is required in case of lay variation of printed stuff.
- (xii) Speed Controller : Suitable variable speed controller shall be provided.
- (xiii) ON and OFF switches for individual folding units : A housing containing a Motor Safety Switch shall be mounted on each folding unit. The unit shall be switched ON and OFF by push button switch.
- (xiv) Delivery System : (a) Delivery of folded sections shall be in a lot of 50 Nos. Delivery conveyor height shall be easily adjustable by a hand wheel to proper sheet delivery height.
- (b) The Delivery rollers shall remove the air and compress the sheets for reduction of bulk.
- (xv) Auto-Lubrication : Automatic Central Lubrication system to entire machine shall be provided to ensure trouble free running of the machine.

C. SERVICE AND MAINTENANCE:

- (i) The bidder shall provide CAMC for entire system for at least 5 years from the expiry of the warranty period. The cost of CAMC shall be considered in tender evaluation.
- (ii) The requirement of Power Supply, ambient temperature, humidity and other working conditions must be mentioned in the offer keeping in view that India Security Press has 3 Phase, 415 VAC \pm 10%, 50 Hz supply. PLCs/HMI shall be latest suitable makes.
- (iii) The bidder must indicate the total rated power consumption of the system at no load and full load conditions.
- (iv) Space requirement for the machine must be given along with suitable floor space plan along with foundation details.

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- (v) Three copies each of the complete technical literature viz., operational and maintenance manual, troubleshooting instructions, electrical and electronic circuit diagram, description of machine function, spare parts catalogue shall be supplied in English language only (in hard and soft copy both).
- (vi) A copy of all software loaded for operation and maintenance shall be supplied along with licenses valid for lifetime of the machine.
- (vii) The firm shall ensure to update the technology from time to time and shall provide spare support for minimum ten years.
- (viii) The machine should be provided with all safety devices, both for the operators and the machine itself.
- (ix) The machine shall be supplied with additional one set of Spare Rollers for all folding units, bearings, timing belts, machine and conveyor belts, pneumatic cylinders and valves, vacuum pump consumables and spares, accessories for machine and other essential mechanical and electrical spares as a part of this contract.
- (x) The machine shall be self-contained for the services like compressed air, vacuum, cooling/ heating etc., as may be required.

D. GENERAL TERMS AND CONDITIONS:

- (i) All safety devices shall meet general Safety regulations as per relevant standards.
- (ii) Machine shall be free from vibration and shall have low noise levels meeting applicable regulations.
- (iii) The design of the machine shall be such that it should provide easy accesses to various operational adjustments for easy/ changeover.
- (iv) Onsite installation, commissioning and production trial shall be conducted as per PO/ Contractor's conditions.
- (v) Supplier shall give warranty that they will continue to supply spares and other backup services for a period of minimum 10 (ten) years.

E. TRAINING:

At Purchaser's Site: The supplier shall provide training to authorized person of ISP in the technique and skills required to operate and to repair the new machine, for six days @ eight hours working per day, for supervisory Staff and Industrial Workmen of Technical, Electrical, Mechanical and Instrumentation, as required by ISP.

F. PRE-DESPATCH INSPECTION:

3 (three) ISP/ SPMCIL officials will carry out pre-dispatch inspection of the offered machine for a period of 3 (three) working days excluding journey period/ holidays, at the worksite of the successful bidder at Purchaser's cost. The purchaser will bear the cost of journey and accommodation.

G. INSTALLATION, COMMISSIONING AND TRAINING:

The firm shall depute their Engineers/ Technicians to India Security Press, Nashik for installation and commissioning of the machine, Hardware and Software for the required period of time at their own cost. The firm has to impart training to Operational and Maintenance personnel of ISP after commissioning for minimum 6 working days at ISP's worksite.

H. FAT (FINAL ACCEPTANCE TEST) AND FINAL ACCEPTANCE CERTIFICATE:

- (i) After successful installation, commissioning and training of the machine, the FAT will be carried out for a period of 6 working days consisting of 8 hours per day, conforming to the machine configurations, rates machine speed, output etc. as per the tender specifications as given in the following table:

S.N.	Description	Parameters
1	Total number of working days	6 days
2	Number of shifts in day	1 Shift
3	Duration of each shift	8 Hours
4	Effective production time (excluding make-ready, operator's-oriented stoppages, etc)	7 Hours
5	Minimum output per shift	63000 sheets

- (ii) During FAT, supplier must demonstrate the machine run at maximum rated speed (at least 10000 sheets per hour) for at least one hour
- (iii) If any parameters is not achieved due to any reason not attributed to the Purchaser, the acceptance test shall be conducted ab-initio; for not meeting Output with the rated speed of the machine as per tender specifications and other parameters of the machine, not met, a fresh FAT will be conducted for a period of another 6 working days.
- (iv) After successful FAT, Final Acceptance Certificate will be issued by Purchaser.

I. WARRANTY PERIOD:

The warranty period of the machine starts from the date of issue of the Final Acceptance Certificate. The warranty period is valid for a period of 12 (twelve) months.

11. Pre-Qualification Criteria:

- (a) The intending bidders shall submit all technical details, capabilities, and experience for supply, installation, testing and commissioning of similar type of Paper Folding Machine.
- (b) The bidders should give a declaration that they have not been blacklisted or debarred for dealing by Government of India or any Government / PSU/ Reputed organisation in the past.
- (c) The documents in support of Expression of Interest need to be submitted duly signed by authorized representative of the company.

(d) The interested bidders should also submit along with Expression of Interest a list of parties to whom they have supplied, installed and commissioned similar types of "Paper Folding Machine" with details and performance report from their clients.

(e) The interested bidders shall also submit copies of Audited financial statement for the last five years i.e. 2019-2020, 2020-2021, 2021-2022, 2022-2023 and 2023-2024.

12. The bidder should also confirm specifically that:

(a) Applicant is competent and legally authorized to submit and/ or to enter into legally binding contract.

(b) The details Supply and Installation of similar type of "Paper Folding Machine" by them during last five years i.e. 01st January 2019 to 31st December 2023.

(c) Applicant will absolve the purchaser against any infringement of patent rights and other contract provisions.

13. The successful bidder(s) will give the presentation of the offered Paper Folding Machine.

14. The duly filled details along with supporting documents and budgetary offer with respect to supply of "Paper Folding Machine" should be sent in a sealed envelope superscribing "Expression of Interest for Supply, Installation, Testing and Commissioning of Paper Folding Machine".

The same may be submitted in person or through courier/ registered post/ speed post so as to reach the following address on or before the prescribed date and time as under:

The Chief General Manager,
India Security Press,
Nashik-422 101
Phone No 0253 2402219/ 0253 2402435
Fax No 0253 2462718
Email: purchase.isp@spmCIL.com

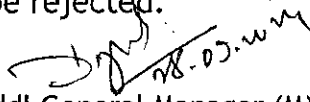
Last date and time for receipt of Expression of Interest: 05.11.2024
at 1430 Hrs. (IST)

Date and time of opening of Expression of Interest at 1500 Hrs. (IST)
on 05.11.2024

Place of opening of Expression of Interest

India Security Press,
Nashik Road 422 101
Maharashtra, India

15. Delay due to postal/Courier etc, will not be entertained. Expression of Interest received after the due date and time will be rejected.


Addl General Manager (M)
for Chief General Manager
India Security Press,
Nashik Road