

INDIA SECURITY PRESS

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Wholly owned by Government of India
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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: 204/2018-19 dated 26/11/2018
4. EOI Title: Expression of Interest for Procurement of Sheet fed Programmable Laser Micro Perforation Machine: 01 No.
5. Category: Non-Security
6. Sub-category: Capital Item
7. Date of Announcement: 26.11.2018
8. Last date for submission : 1430 Hrs (IST) on 15.01.2019
9. The General Manager, India Security Press, Nashik invites Expression of Interest from experienced and reputed manufacturers for "Procurement of Sheet fed Programmable Laser Micro Perforation Machine: 01 No."
10. The Brief description of "Procurement of Sheet fed Programmable Laser Micro Perforation Machine" is as under:

Statement of Requirement (SOR)

Sheet fed Programmable Laser Micro-Perforation machine with automatic feeding and stacking, capable of doing various laser micro perforate designs (Logos), Alpha-Numeric-Alpha numbers and Numeric Face Value in varied LINE type laser perforation as per the programme at pre-defined position on printed paper of 100% rag content with windowed security thread. The logo, numbering and numeric face value shall be in 4-UP format with provision to run machine in 4-up, 2-up and 1-up format also. However, the minimum size of the paper in 1-up format will be 300mm x 210 mm (L x W) and rest of the paper sizes shall be in the range of paper sizes given in the product configuration as below.

PRODUCT CONFIGURATION:

- | | | | |
|-----|-----------------------------|---|----------------|
| (a) | Length of the printed paper | : | Minimum-300 mm |
| | | : | Maximum-700 mm |
| (b) | Width of the printed paper | : | Minimum-210 mm |
| | | : | Maximum-470 mm |

Contd...2

- (c) Paper GSM : 80 to 220
- (d) Thickness : 100 Micron \pm 15% for 80-100GSM or in proportion with respective GSM
- (e) Orientation of the sheet Transport & Laser Micro perforation : As per the sheet 4, 5 & 6 of Expression of Interest.

1.0 **BASIC FEATURES OF THE MACHINE:**

- 1.1 It shall be designed for heavy duty continuous operation with open ended programme facility so that the required design can be incorporated by the purchaser without intervention of the supplier.
- 1.2 The machine shall be designed to generate various designs by LINE type laser micro perforation. Viz:
 - (i) **Logo:** In 4-up format as per the programme and the programme shall be opened to generate various logos through Control Console and shall be user friendly Application Software. The size of the logos shall have the following minimum ranges: Width: 10-20 mm, length: 10-30mm.
 - (ii) **Alpha-Numeric-Alpha Numbering:** Serial Numbering of Alpha-Numeric-Alpha character minimum 14 digits : 2-4 digits as Alpha or Alpha-Numeric character as prefix-Space- followed by 6 -10 digits numeric / numeric-alpha characters.
- 1.3 The machine shall be capable to perforate Logo, Alpha-Numeric / Alpha-Numeric- Alpha number and numeric Face value as above in one go and any single/ two character as per the requirement of the job of 4-up and provision of 2-up & 1-up format also.
- 1.4 The machine shall have a facility for sequential or random laser micro perforation numbering suitable for unnumbered documents also.
- 1.5 The machine shall be capable to perform laser micro perforation in different types of Font for Alpha-Numeric characters and provision shall be made in the Application Software for selection of font.
- 1.6 Speed of the machine shall be 2500 sheets per hour or higher.

2.0 **LASER SYSTEM:-**

- 2.1 The Laser System shall be of latest technology with suitable capacity of peak power output to perform LINE type laser micro perforation in various UPs as mentioned in the basic features.
- 2.2 Laser System shall be equipped with **3-Axis Scanning & Controlling System (X,Y and Z Galvos)** to control and adjust the position of the Logo, Serial Number and Numeric Face value to be perforated on the sheet.

2.3 Laser Micro Perforation of logo, Alpha-Numeric Number and Numeric face value shall be done in single pass.

2.4 Visual Monitoring System (VMS) with high resolution camera shall be provided to monitor the quality of the Laser Micro Perforated Logo, Serial number, face value and/ or any other character perforated on the sheet.

3.0 **SHEET FEEDER:-**

Continuous Sheet Feeder shall be provided.

4.0 **SHEET DELIVERY & SHEET PALLET:-**

Suitable sheet delivery and sheet pallet shall be provided with sheet counter and automatic reject tag system shall be provided.

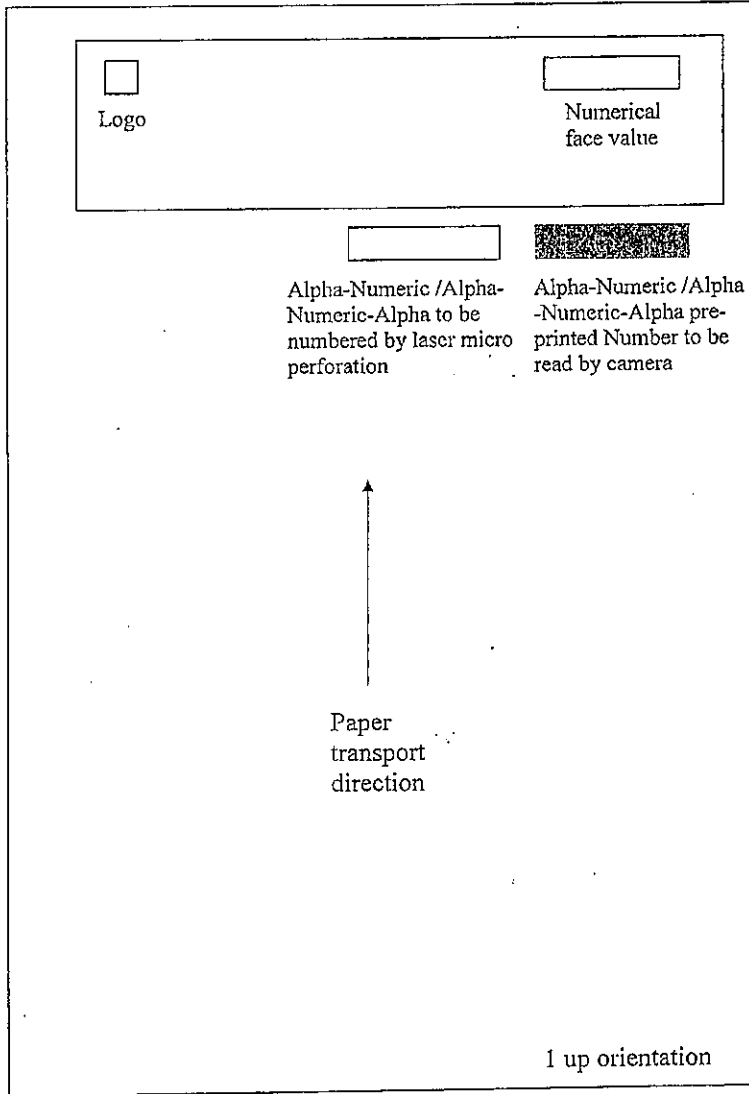
5.0 **INDUSTRIAL CONTROL CONSOLE:-**

5.1 The machine shall be provided with Industrial grade Touch Screen Control Console with latest user friendly Operating System along with user friendly application software.

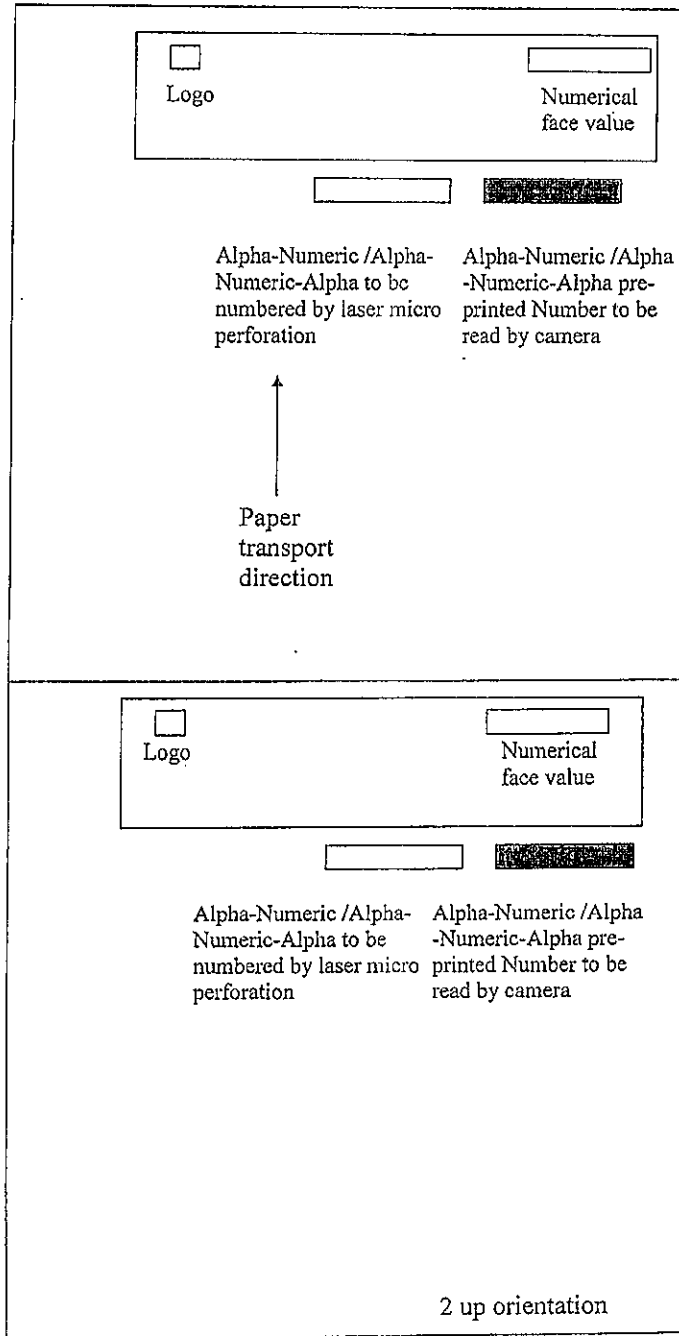
6.0 The Machines & Systems shall be suitable to Power Supply of 3 phases, 415 V. +/-6%, 50Hz AC Source.

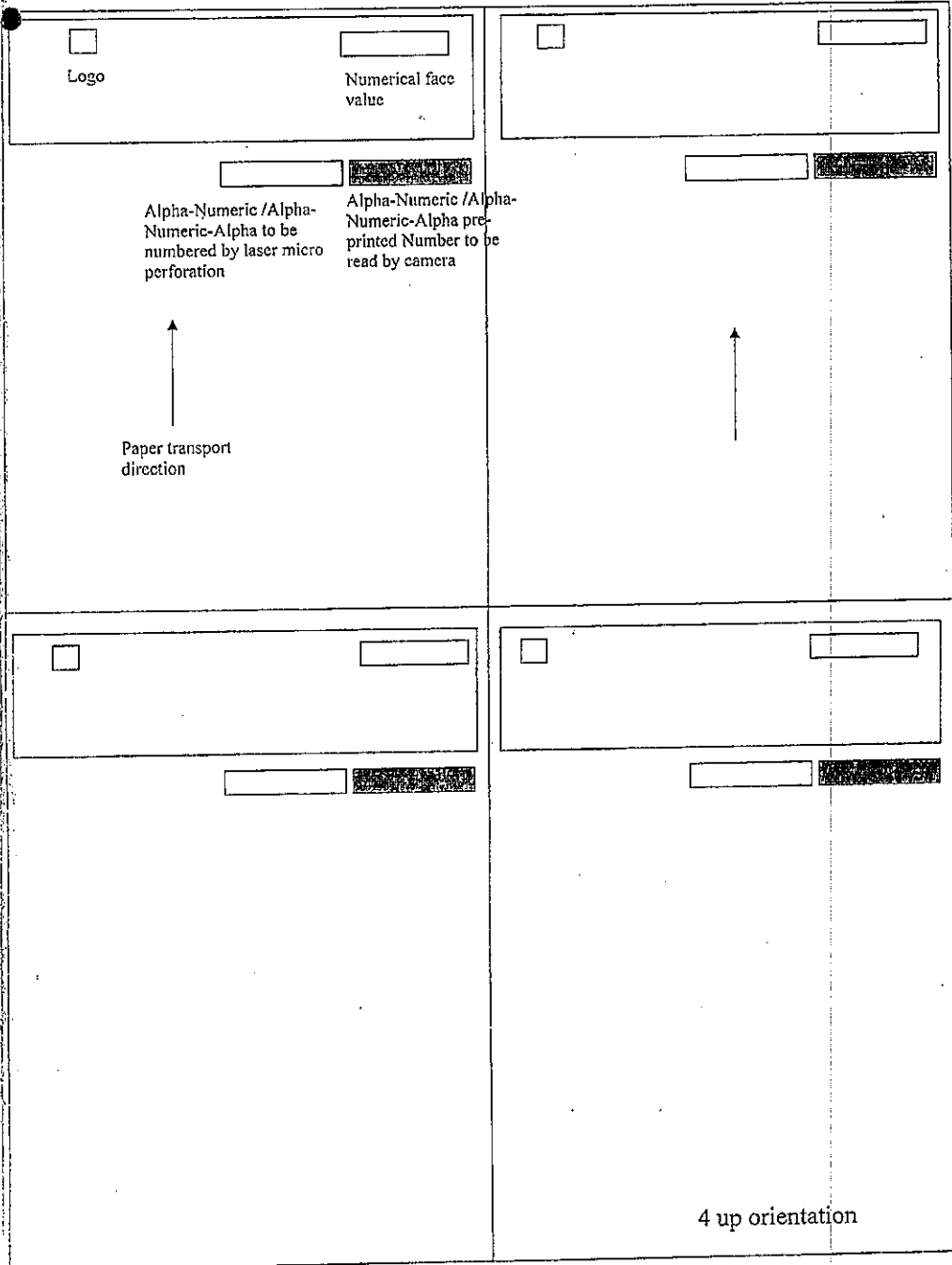
7.0 Orientation of Laser Micro-Perforation in 1up, 2up and 4 ups formats.

Details of Laser Micro-perforation :Logo, Number, face value



Details of Laser Micro-perforation :Logo, Number, face value Sheet No. 2





11. Important instructions to bidders:

- (a) The intending bidders shall submit all technical details, capabilities, and experience for supply, installation, commissioning of "Sheet fed Programmable Laser Micro Perforation 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 and installed similar types of "Sheet fed Programmable Laser Micro Perforation 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. 2013-2014, 2014-2015, 2015-2016, 2016-2017 and 2017-2018 or 2013, 2014, 2015, 2016 and 2017.

12. The bidder should also confirm specifically that:

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

(b) The details Supply and Installation of similar type of "Sheet fed Programmable Laser Micro Perforation System" by them during last five years i.e. 01st January 2013 to 31st December 2017.

(c) The firm should confirm their annual installed capacity for supply and installation of similar type of "Sheet fed Programmable Laser Micro Perforation System".

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

13. ***Local suppliers who are applied under the "Make in India" scheme are exempted from the Experience and Past Performance***

14. The duly filled details along with supporting documents with respect to supply of similar types of "Sheet fed Programmable Laser Micro Perforation Machine" should be sent in a sealed envelope superscripting "Expression of Interest for Procurement of Sheet fed Programmable Laser Micro Perforation 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 General Manager,
India Security Paper,
Nashik-422 101
Phone No 0253 2402219
Fax No 0253 2462718, 2466389
Email: purchase.isp@spmcil.com

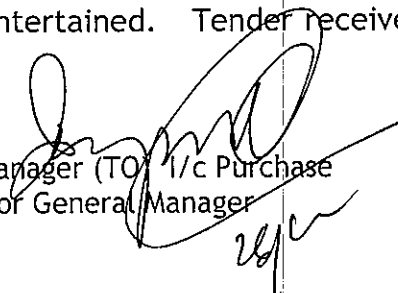
Last date and time for receipt of Expression of Interest: 15.01.2019
at 1430 Hrs. (IST)

Date and time of opening of Expression of Interest at 1500 Hrs. (IST)
on 15.01.2019

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. Tender received after the due date and time will be rejected.


Dy Manager (TO) I/c Purchase
for General Manager