

## KERALA BOOKS AND PUBLICATIONS SOCIETY

(An undertaking of the Government of Kerala)  
Kakkanad P.O. Kochi-682 030, Kerala

No. P1-3495/2022/ 5256

Dated: 30.12.2022.

### e -Tender Notice

e - tenders are invited through [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) for the Supply, Installation, Testing and Commissioning of **Online Defect Checking system for Harris M 300 / Goss WSD web offset 4 colour printing machine** - 1 no., with the technical specification attached as Annexure A, in two bid system

#### Terms and Conditions

1. Bidders possessing valid Digital Signature Certificate can submit their offers online. The manual submission of the same will not be entertained; online offer through [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) only will be accepted.
2. Resubmission of offer is possible, before the last date as permitted in the web site.
- 3.

Tender reference no.	P1-3495/2022/ 5256 dated: 30.12.2022
Name of the work	Supply, Installation, Testing and Commissioning of Online Defect Checking system in Harris M 300/ Goss WSD web offset 4 colour printing machine
Quantity	1 no.
EMD	Rs. 4,00,000/-
Cost of Tender document	Rs. 22,500/-
Date of pre bid meeting query and participation confirmation end date	14.01.2023 at 11.00 hrs
Date of pre bid meeting	17.01.2023 at 11.00 hrs
Due date for online tender/bid submission	14.02.2023 at 11.00 hrs
Date of online bid opening	17.02.2023 at 11.00 hrs
Period of validity of price/offer	6 months (180 days) from opening of tender

4. An online pre bid meeting will be arranged by KBPS on the aforesaid date. Those who are interested for participating in the meeting should send their details/queries to the e-mail id : [kbpurchase@gmail.com](mailto:kbpurchase@gmail.com) within the time mentioned in the above table.
5. Prices quoted should be for the supply and installation of the system at KBPS, Kakkanad, Kochi - 682030
6. Bidders are requested to quote rates in the price schedule (BOQ) only. The basic rate (including all expenses like transportation of the system till KBPS, unloading of the system and positioning) till the commissioning of the system at KBPS, Indian GST, taxes/levies and AMC charges should be quoted separately in the respective columns of BOQ. Please do not quote/mention rates anywhere else in the tender other than BOQ. The AMC charges also will be accounted in deciding the lowest offer (L1) in the financial bid.

7. The successful party should provide sufficient training to the concerned staff of KBPS.

8. The successful party should make all the arrangements for unloading, positioning, installation and commissioning of the system at the allotted space at KBPS, at their own cost.

9. Parties/contractors whose purchase order/contract were terminated by KBPS earlier are not eligible to participate in this tender

10. **In case of imported stores**, the payment term as per Stores Purchase Manual (SPM) Revised Edition 2013 of Government of Kerala will be followed, which states that

- Clause 12.12 of SPM - Cases where Installation, Erection and Commissioning (if applicable) are not the responsibility of the Supplier – 100 % net FOB/FAS price is to be paid against invoice, shipping documents, inspection certificate (where applicable), manufacturers“ test certificate, etc.
- Clause 12.13 of SPM - Cases where Installation, Erection and Commissioning are the responsibility of the Supplier - “80% - 90% net FOB/FAS price will be paid against invoice, inspection certificate (where applicable), shipping documents etc. and balance within 21 - 30 days of successful installation and commissioning at the consignees premises and acceptance by the consignee.”

11. In cases where clause 10 is not applicable, payment will be made after the satisfactory receipt, installation and commissioning of the system/machine in good condition and to the satisfaction of KBPS.

12. The tenderer should submit an undertaking in their own letterhead (as per the format attached in tender document) stating that if they are the successful tenderer they are ready to supply the spares having proprietary nature for the installed system/machine without any advance payment towards the cost of the same. The payment term will be : “Payment will be made after the receipt of spares in good condition.”

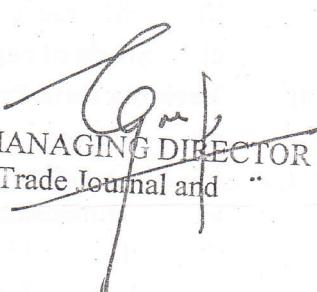
13. The parties are requested to specify their GST no., PAN no. and HSN code of the item.

14. The scanned copy of the brochures/specification of the quoted item (in English) should be submitted online and subsequently the original in a separate cover should reach the office of the undersigned on or before the opening time of the tender.

15. The near relatives of employees of KBPS are not eligible to participate in the tender. The relationship for the purpose will be as specified in Annexure 21 of Stores Purchase Manual of Kerala (extract given as Annexure B). In addition to this mother's sister's son/daughter shall also deemed to be a relative. The scanned copy of the declaration (annexure C) in this regard, duly filled, signed and sealed should be submitted online.

16. The scanned copy of the agreement in Rs. 200/- Kerala stamp paper duly filled, signed and sealed, in every page should be submitted through online and subsequently the original in a separate cover should reach the office of the undersigned on or before the opening time of the tender.
17. Tenders/bids received through online without duly filled, signed and sealed preliminary agreement and Annexure C will be treated in accordance with the Stores Purchase Manual of Government of Kerala and its amendments from time to time.
18. All the rights to accept or reject whole or part of the offer without assigning any reason thereof is reserved by KBPS. The decision of KBPS will be final and binding on the tenderer. The Courts at Ernakulam alone shall have jurisdiction over the subject matter of the contract.
19. All rules and regulations of the Tender/bid shall be in accordance with the Stores Purchase Manual of the Government of Kerala.

Cc to Fin, JS (Admn): To advertise in Kerala Gazette, Indian Trade Journal and suitable Dailies  
IT department for publishing in website  
Vendors as per list

  
MANAGING DIRECTOR

## Annexure A

### Technical Specification for the supply, installation, commissioning and satisfactory operation of Online Defect Checking System for checking defects in the printed labels which is to be attached to Harris M 300 /Goss WSD web offset printing machine – Detailed specification

- 1) Mode of Operation : Online mode
- 2) Details of paper area and printed image to be checked:
  - a) Maximum Reel width : 760 mm
  - b) Minimum Reel width : 430 mm
  - c) Cut off of machine : 598 mm
  - d) Top image : C M Y K (4 color)
  - e) Bottom image : Monochrome (Black)
- 3) Paper:
  - a) Type of paper : Maplitho
  - b) GSM range : 60 – 90
  - c) Shade of paper : White/natural shade
- 4) Variable Data Printing:
  - a) Colour : Black
  - b) Quantity : 160 crores labels per annum approximately
  - c) Dimensions of variable data in a single label
    - i. 15 x 15 mm (QR code)
    - ii. 8 x 28 mm (Barcode)
    - iii. 7 x 38 mm (Alpha numeric variable data)
    - iv. 3 x 20 mm (Alpha numeric variable data)
    - v. 4 x 27 mm (Alpha numeric variable data)
    - vi. 3 x 40 mm (Alpha numeric variable data)
- (The dimensions and the number of variable data may change from time to time)
- 5) Checking:
  - a) Must check the readability of Barcode/QR code in each label.
  - b) Must check the genuinity of all variable data by comparing it with the master data file, used for printing.
  - c) Must check the alignment of Printing, Bar code/ QR code and Variable data in each label.
  - d) Must check the continuity of Variable data in ascending or descending order.
  - e) Must check for missing and duplication of variable data.

- g) Must be able to start the checking of variable data from a particular data onwards in ascending/descending order
- h) System must be capable of detecting colour variant  $\Delta E \geq 3$ .
- i) Minimum defect size (dot) =  $0.15\text{mm}^2$
- j) Min defect size (as a line) (WxL) =
  - i. width =  $0.15\text{mm}$
  - ii. length =  $3\text{mm}$
- k) Minimum registration error =  $\pm 0.15\text{mm}$ .
- l) detection speed ranges
  - i) Minimum detection speed =  $150 \text{ m/min}$
  - ii) Maximum detection speed =  $300 \text{ m/min}$   
(The machine should be capable of detecting both in Minimum and Maximum detection speeds)
- m) 100% Accuracy level to be maintained in error detection.

6) **Number of labels per sheet:**

- a) 30 labels in  $760 \times 600 \text{ mm}$  (maximum)

7) **Camera:**

- a) Resolution 8K.
- b) Line scanning.
- c) System must be capable of checking both sides. Top camera must be 8K colour and that on bottom must be monochrome camera.

8) **Rejection system:**

- a) Rejected sheets must be tagged with stickers/equivalent at the delivery end of our existing machine, on which the defect checking system is attached.
- b) Real time monitoring must be available and graphical representations with the details like type and location of error in each defective label must be provided through defective label log.
- c) Apart from tagging, other advanced rejection mechanisms available which can be attached with our existing machine can also be considered.

9) All softwares and accessories like frame work required to mount the system, tagging machine, compressors, UPS etc must be provided along with the Defect Checking system.

10) Minimum 3 years Comprehensive warranty must be provided. The rate, terms and conditions regarding AMC after warranty period also to be provided.

11) System acceptance will be provided only after satisfactory performance in continuous production.

12) The eligible party should provide an online live demo of the system in our existing Harris M 300 web offset printing machine successfully in between the folder and

sheeter units ensuring speed and other quality parameters of Online Defect checking using this system.

- 13) The participants should ensure the supply of consumables and spare parts of online defect checking system for the next 10 years.
- 14) Consumable list and their rates must be mentioned separately in INR for the next 5 years
- 15) System should be capable of upgrading technology related to camera, software and allied systems.
- 16) All manuals related to operation, maintenance and spare parts must be provided with the system in hardcopy (sets of 3) and softcopy.
- 17) Proper operational and maintenance training must be provided to our staff.
- 18) Machine must support site power supply as per the specification given below
  - a. 415 V, 3 phase / 50 Hz.

Annexure B

**EXTRACT FROM THE STORES PURCHASE MANUAL OF KERALA**

**Meaning of "Relative"**

A person shall be deemed to be a relative of another if, and only if,

- a) they are members of Hindu undivided family or;
- b) they are husband and wife; or
- c) the one is related to the other in the manner indicated in Schedule 1-A

**Schedule 1 A List of Relatives**

1) Father	2) Mother (including step-mother)
3) Son (including step-son)	4) Son's wife
5) Daughter (including step-daughter)	6) Father's father
7) Father's mother	8) Mother's mother
9) Mother's father	10) Son's son
11) Son's son's wife	12) Son's daughter
13) Son's daughter's husband	14) Daughter's husband
15) Daughter's son	16) Daughter's son's wife
17) Daughter's daughter	18) Daughter's daughter's husband
19) Brother (including step-brother)	20) Brother's wife
21) Sister (including step-sister)	22) Sister's husband
23) Husband's father	24) Husband's mother
25) Husband's sister	26) Wife's father
27) Wife's mother	28) Wife's brother
29) Wife's sister	30) Wife's sister's husband
31) Father's brother	32) Father's sister
33) Mother's brother	34) Mother's sister
35) Father's sister's husband	36) Father's brother's wife
37) Mother's brother's wife	38) Mother's sister's husband
39) Brother's son	40) Brother's son's wife
41) Brother's daughter	42) Sister's son
43) Sister's daughter	44) Father's brother's son
45) Father's brother's daughter	46) Father's sister's son
47) Father's sister's daughter	48) Mother's brother's son
49) Mother's brother's daughter	

Annexure C  
DECLARATION

FOR NO NEAR RELATIVE (S) OF THE CONTRACTOR WORKING IN KBPS

I.....S/O Sri.....

Hereby certify that none of my relative(s) as defined in the tender notice are employed in KBPS as per detail given below. In case at any stage, it is found that the information given by me is false/incorrect, Managing Director, KBPS shall have the absolute right to take any action as deemed fit, without any prior intimation to me.

Signature of the tenderer with seal

The relationship for the purpose of rule will be as specified in Stores Purchase Manual of Kerala (extract given as Annexure B).

In case of proprietorship firm, certificate will be given by the proprietor, and in case of Partnership firm, certificate will be given by all the partners and in case of Ltd. Company by all the Directors of the company or company secretary on behalf of all directors. Any breach of these conditions by the company or firm or any other person, the tender/work will be cancelled and earnest money/security deposit will be forfeited at any stage whenever it is so noticed. The department will not pay any damages to the company or firm or the concerned person. The company or firm or the persons will also be debarred for further participation in the concerned unit.

Place:

Signature of tenderer/Authorized Signatory

Date:

Name of the Tenderer

Seal of the Tenderer