

**DIRECTORATE OF FOOD, CIVIL SUPPLIES AND CONSUMER AFFAIRS, HIMACHAL PRADESH,
SHIMLA-9.**

Expression of Interest (EOI) for supply, installation and maintenance of ePoS devices/tablets integrated with IRIS scanners, biometric finger scanner, QR Code reader/scanners and electronic weighing scales for distribution of food grains.

The Department intends to procure android based ePoS devices/tablets integrated with IRIS scanners, biometric finger scanner, QR Code reader/scanners compatible for integrating with electronic weighing scales in Fair Price Shops (5000 in No.) in the State for distribution of food grains, with a view to reform the Public Distribution Infrastructure. The devices should be 2G to 4G compatible and upgradable upto 5G. The detailed specifications of the devices and other information can be downloaded from the official website <https://food.hp.nic.in> of the department. The last date to receive the proposals is 10th May, 2021 at 3.00 P.M.

Accordingly, the interested parties with adequate resources, experience and good track record may submit their proposals as per formats and points given below. After scrutiny of the documents a Power Point Presentation (not more than 10 slides) on the following mentioned points will also be taken online or offline keeping in view the prevailing Covid 19 conditions. The copy of PPT should be provided to this office on or before 10th May, 2021. The following information is required on prescribed formats:

1. Applicant's Expression of Interest (Format-1)
2. Organizational Details (Format-2)
3. Experience in related fields (Format-3)
4. List of experts / consultants on payroll at least 3 (Format-4)
5. Financial strength of the organization (Format-5)
6. Additional information (Format-6)
7. Declaration (Format-7)

For any query, please contact on details given below.

-sd-

**Director,
Food, Civil Supplies & Consumer Affairs,
Himachal Pradesh, Shimla-09.
Tel. No. 0177-2623749
Fax No. 0177-2628142
E-Mail: dfs-hp@nic.in**

FORMAT – 1

APPLICANT’S EXPRESSION OF INTEREST

To

The Director,
Food, Civil Supplies & Consumer Affairs,
H.P., Shimla-171009.

Sub:- Expression of Interest (EOI) for supply, installation and maintenance of ePoS devices/tablets integrated with IRIS scanners, biometric finger scanner, QR Code reader/scanners and electronic weighing scales for distribution of food grains.

Sir,

In response to the Invitation for Expressions of Interest (EOI) published on for the above purpose, we would like to express interest to carry out the above proposed task. As instructed, we attach the following documents and soft copy along with PPT:

- 1 Organizational Details (Format-2)
- 2 Experience in related fields (Format-3)
- 3 List of experts / consultants on payroll at least 3 (Format-4)
- 4 Financial strength of the organization (Format-5)
- 5 Additional information (Format-6)
- 6 Declaration (Format-7)

Sincerely Yours,

Signature of the applicant

[Full name of applicant]

Stamp.....

Date:

Encl.: As above.

Note: This is to be furnished on the letter head of the organization.

FORMAT - 2

S. No	Organizational Contact Details	
1.	Name of Organization	
2.	Main areas of business	
3.	Type of Organization Firm/ Company/ partnership firm registered under the Indian Companies Act, 1956/ the partnership Act, 1932	
4.	Whether the firm has been blacklisted by any Central Govt. / State Govt./PSU/ Govt. Bodies / Autonomous? If yes, details thereof.	
5.	Address of registered office with telephone no. & fax	
6.	Address of offices in i) National Capital Region of Delhi ii) All other State/UT's	
7.	Contact Person with telephone no. & e-mail ID	

Enclose:-

1. Copy of Certificate of Incorporation.
2. Copy of Article of Association in respect of 3 above.
3. Undertaking in respect of 4 above.

Signature of the applicant

Full name of the applicant

Stamp & Date

FORMAT - 3

Experience in Related Fields						
Overview of the past experience of the Organization in all aspects related to Brand Building related						
S. No	Items	Number of Assignments during last 5 years	Order Value of each assignment in Lakhs of Rs. (Enclose copy of each order)	Mention the name of Client/ Organization (Enclosed completion certificates)		
1	Experience of assignments of similar nature					
1.1	Experience in carrying out similar assignments in Government					
1.2	Experience in carrying out Similar assignments in Public sector.					
<p>Decision of Evaluating Committee in ascertaining “similar nature” and “similar assignment” will be final.</p> <p style="text-align: right;">Signature of the applicant Full name of applicant</p> <p style="text-align: right;">Stamp & Date</p>						

FORMAT – 4

List of experts/consultants on payroll (at least 3)				
S. No	Name	Designation	Qualification	Relevant Experience
1.				
2.				
3.				
4.				
5.				
6.				

Signature of the applicant
Full name of applicant
Stamp & Date

FORMAT – 5

Financial Strength of the Organization					
S. No	Financial Year	Whether profitable Yes/NO	Annual net profit (in Crores of Rs.)	Overall annual turnover (in Crores of Rs.)	Annual turnover only from the concerned work done in India (in Crores of Rs.)
1	2018-19				
2	2019-20				
3	2020-21				

Note: Please enclose auditor's certificate in support of your claim.

Signature of the applicant
Full name of applicant

Stamp & Date

FORMAT - 6

Additional Information

1. List all enclosures related to the previous sections.

Sr. No.	Description	No. of pages

Signature of the applicant

Full name of applicant

Stamp & Date

FORMAT -7

Declaration

We hereby confirm that we are interested in participating for the Expression of Interest (EOI) for supply, installation and maintenance of ePoS devices/tablets integrated with IRIS scanners, biometric finger scanner, QR Code reader/scanners and electronic weighing scales for distribution of food grains.

All the information provided herewith is genuine and accurate.

Authorized Person's Signature.

Name and Designation:

Date of Signature:

Note: The declaration is to be furnished on the letter head of the organization.

Suggestive minimum technical specifications for Tablet devices

	Description	
1	Processor Speed	1.1 GHz Dual Core or higher ARM /x86processor or equivalent
2	Operating System	Android 10.0 or higher (Latest stable version)
3	RAM	2GB or higher
4	Inbuilt Storage (Memory)	8 GB or higher
5	Expansion Slot	MicroSD slot to support SD card with minimum 8GB high speed SD Card. Slot should be able to support up to 32 GB.
6	Connectivity (Communication)	Devices should support 2G/3G/4G, GPRS and Wi-A, should support GPS feature
7	External Keyboard support/Interface (optional)	Device should support keyboard through USB or Bluetooth interface.
8	USB ports	At least one free USB port shall be available after setting up the entire solution including peripheral devices and Fingerprint, IRIS device, Weighing Scale, Magnetic Payment reader etc.
9	Display	7" inches or higher scratch resistant multi point capacitive touch screen with minimum WSVGA resolution (1024 X 600)
10	Battery	Swappable & Dry/Rechargeable, li-ion or li Polymer battery capable of providing minimum 8-10 hours of operation while all function of device active i.e. battery capacity of 5000mAh or above
11	Power Adapter (Charger)	Charger with surge protection and operating range 100 to 240V, 50Hz. AC input Charging point - DC or USB
12	SIM & SAM slot	Dual GSM SIM slot support 4G/3G/2G/GPRS and Dual SAM slots for software up-gradation in device. OR Single GSM SIM slot support 4G/3G/2G/GPRS with eSIM and Single SAM slot with Virtual SAM may be allowed
13	Printer	Integrated or external 2" or higher printer (Thermal/Non-Thermal Printer)
14	Audio	Good quality Speaker with 1W or higher output for announcements.
IS	Biometric Sensor	Aadhaar enabled fingerprint scanner and IRIS scanner with STQC and UIDAI certification are both mandatory. Internal or external.

16	Magnetic Payment Card Reader for digital payment (Optional)	As per PCI (Payment Card Industry) Security Standards and EMV Standards. All Mastercard, VISA and RuPay cards should be accepted by the reader for payment.
17	Support to connect Weighing Scale	Availability of connectivity feature of weighing scale through USB or Bluetooth
18	Indicators	Status indicator provides ease of use, Indicators for connectivity (presence/absence), signal strength, battery status etc.,
19	Other Accessories	Durable carry case and user manual etc. The Tablet device, Single fingerprint scanner and Printer should be integrated in rugged casing. The casing should be made of inflexible, solid material and can be of polycarbonate/thick plastic/acrylic/other tough material. The complete device incl. casing should be portable, handy and easy to use.
20	Terminal Management	Device should be remotely manageable in secured mode
21	Environment & Security	Should be virus protected Dry heat test-Operating (50 [±] 2°C for 2 hrs) Cold test—Operating (0 [±] 3°C for 2 hrs) Dry heat test (55 [±] 2°C for 2 hrs) Damp heat Cyclic (40°C for (12+12 hrs)), No. of cycles : 2 Cold Test (-10 [±] 3°C for 2 hrs) Drop/Free Fall Test, in unpacked, switched off and normal handling conditions (Height : 100mm, Total no. of falls : 2) Vibration Test should be in packed condition, switched off conditions (10-150Hz, 0.15mm/2g, 10 sweep, cycles/axes) Bump test should be in packed condition, switched off condition. (1000 Bumps, 40g, in vertical position)
22	Antenna	The device must have a slot to connect an external antenna. While, the procurement of antenna is depending on the requirement of the State, which will be used in remote locations and hilly areas for better signal reception and seamless transactions
23	Warranty	Suitable Warranty support
24	Certification	RoHS (Restriction of Hazardous substance) CE or UL
25	Camera Barcode Reader (Optional)	Capable of reading 1D line barcode and QR codes using 5Mp auto-focus camera
26	Sensors	Accelerometer, Ambient light sensor

Suggestive minimum technical specifications for ePoS devices

S.No.	Description	Minimum suggested specifications
1	Processor	-High performance Processor with speed of 1GHZ or above capable of performing at least 10 transactions per minute in laboratory environment. -Processor should be capable enough of performing fingerprint authentication with AUA/ASA/UIDAI servers
2	OS	Linux OS (Latest stable Kernel)/Android 10.0 or higher/Windows (Latest stable version). Device operating system which supports HTML5 based web browser, CSS 3, Java Scripts
3	Memory	-1GB RAM (for Linux) and 2GB RAM (for Android 10.0/Windows) -8 GB or higher In-built Storage (Flash Memory)
4	Expansion Slot	MicroSD slot with minimum 8 GB high speed SD Card. Slot should be able to support up to 32 GB.
5	Communication	Should support 2G, 3G, 4G/LTE or above, Wi-Fi, Ethernet and Bluetooth. Device should support GPS feature
6	Interface	USB 2.0 or higher At least one free USB port shall be available after setting up the entire solution including peripheral devices and Fingerprint, IRIS device, Weighing Scale, Magnetic Payment reader etc.
7	Display	3.5 inch or higher color TFT Displays supporting QVGA (320x240) or better resolution and 64K or higher colors
8	Key Pad	Qwerty keypad or Minimum 16 alpha numeric keypad with navigation keys, keys size to be large enough for navigation
9	Battery	Swappable & Dry/Rechargeable, li-ion or li Polymer battery capable of providing minimum 8-10 hours of operation while all function of device active i.e. battery capacity of minimum 2600mAh (for Linux) and minimum 4000mAh (for Android)
10	Power Adapter	Power Adaptor with surge protection and operating range 100 to 240V, 50Hz. AC input
11	SIM & SAM slot	Dual GSM SIM slot support 4G/3G/2G/GPRS and Dual SAM slots for software up-gradation in device. OR Single GSM SIM slot support 4G/3G/2G/GPRS with eSIM and Single SAM slot with Virtual SAM may be allowed
12	Printer	Integrated 2" or higher printer (Thermal/Non-Thermal Printer)
13	Audio	Good quality Speaker with 1W or higher output for announcements
14	Fingerprint Scanner	Aadhaar enabled fingerprint scanner and IRIS scanner with STQC and UIDAI certification are both mandatory.
15	Magnetic Payment Card Reader for digital payment (Optional)	As per PCI (Payment Card Industry) Security Standards and EMV Standards. All Mastercard, VISA and RuPay cards should be accepted by the reader for payment.

S.No.		
16	Support to connect Weighing Scale	Availability of connectivity feature of weighing scale through USB or Bluetooth
17	Status Indications	Status indicator provides ease of use, Indicators for connectivity (presence/absence), signal strength, battery status etc. Device Health Monitoring System Indicator <i>may</i> also be included (Optional)
18	Other Accessories	Durable carry Case, User Manual
19	SDK	Appropriate SDK need to be provided along with the devices
20	Terminal Management	Device should be remotely manageable in secured mode
21	Environment, Health & Safety Durability, Humidity, EMI/EMC Compliance	<p>Dry heat test- Operating (50 12°C for 2 hrs)</p> <p>Cold test— Operating (0 +3°C for 2 hrs) Dry heat test (55 12°C for 2 hrs)</p> <p>Damp heat Cyclic (40°C for (12+12 hrs)), No. of cycles : 2 Cold Test (-10 +3°C for 2 hrs)</p> <p>Drop/Free Fall Test, in unpacked, switched off and normal handling conditions (Height : 100mm, Total no. of falls : 2)</p> <p>Vibration Test should be in packed condition, switched off conditions (10- 150Hz, 0.1Smm/2g, 10 sweep, cycles/axes)</p> <p>Bump test should be in packed condition, switched off condition. (1000Bumps, 40g, in vertical position)</p>
22	Add-On Antenna	The device must have a slot to connect an external antenna. While, the procurement of antenna is depending on the requirement of the State, which will be used in remote locations and hilly areas for better signal reception and seamless transactions
23	Device Form Factor	The device should be portable and handy
24	Warranty	Suitable Warranty support