

REQUEST FOR PROPOSAL (RFP)

FOR

EMPANELMENT OF OEM OR THEIR AUTHORIZED PARTNER

FOR

**PROCUREMENT, DELIVERY, INSTALLATION AND
COMMISSIONING**

OF

**PRINTER, PLOTTER, PHOTOCOPIER, SCANNER,
PROFESSIONAL DISPLAY SYSTEMS, PROJECTOR,
TABLET, APPLE PRODUCTS, HAND SANITIZATION ITEMS**

NIT Number:- BSEDC/2202/21 dated :16/04/21



BIHAR STATE ELECTRONIC DEVELOPMENT CORPORATION LIMITED

BELTRON Bhawan, Shastri Nagar,

Patna- 800 0023, Bihar

Phone:- 0612-228 1856/228 1857 Fax:- 0612-228 1857

Email ID- jitendra.itm@gmail.com

Website:-www.bsedc.bihar.gov.in & www.eproc2.bihar.gov.in

Table of Contents

1.	GENERAL INSTRUCTIONS	4
1.1.	ISSUER	4
1.2.	CONTACT PERSON	4
1.3.	KEY EVENTS & DATES	5
1.4.	PROCUREMENT OF RFP DOCUMENT	5
1.5.	PRE-BID CONFERENCE	6
1.6.	AMENDMENT OF RFP DOCUMENT.....	6
1.7.	DEADLINE FOR SUBMISSION OF PROPOSAL	6
1.8.	ELEGIBILITY CRITERIA.....	7
1.9.	EMPANELMENT OF BIDDERS	8
1.10.	DELIVERY, INSTALLATION AND PENALTY	10
1.11.	PAYMENT TERMS	11
1.12.	WARRANTY & MAINTENANCE	12
1.13.	PRICE VARIATION CLAUSE	14
1.14.	FORCE MAJEURE.....	14
1.15.	EARNEST MONEY/SECURITY DEPOSIT AND TENDER FEE.....	15
2.	NOTICE INVITING TENDERS	16
2.1.	INSTRUCTIONS TO BIDDERS	17
2.2.	DOCUMENTS TO BE FURNISHED WITH GENERAL CUM TECHNICAL BID.....	18
2.3.	E-PROCUREMENT RELATED INSTRUCTIONS.....	19
3.	GENERAL BID	22
3.1.	TENDER FORM	22
3.2.	CHECK LIST	25
3.3.	BIDDER UNDERTAKING	26
3.4.	SPECIAL NOTE TO BIDDERS.....	31
3.5.	BID EVALUATION.....	32
4.	TECHNICAL BID	35
4.1.	BID LETTER.....	35
4.2.	BACKGROUND	37
4.3.	TECHNICAL SPECIFICATIONS	37
4.3.1.	SCHEDULE-I (PRINTERS)	37
4.3.2.	SCHEDULE-II (PHOTOCOPIERS & SCANNERS).....	43
4.3.3.	SCHEDULE-III (PROFESSIONAL DISPLAY SYSTEM,)	49
4.3.4.	SCHEDULE-IV (PLOTTERS)	67
4.3.5.	SCHEDULE- V (PROJECTOR)	69
4.3.6.	SCHEDULE- VI (TABLET)	79
4.3.7.	SCHEDULE – VII (APPLE PRODUCTS).....	82

4.3.8.	SCHEDULE- VIII (HAND SANITIZER)	89
4.3.9.	SCHEDULE- IX (ADDITIONAL ITEM)	92
5.	FINANCIAL BID	71
5.1.	FINANCIAL BID – SCHEDULE I.....	71
5.2.	FINANCIAL BID – SCHEDULE II.....	74
5.3.	FINANCIAL BID – SCHEDULE III	75
5.4.	FINANCIAL BID – SCHEDULE IV	76
5.5.	FINANCIAL BID – SCHEDULE V	77
5.6.	FINANCIAL BID – SCHEDULE VI	75
5.7.	FINANCIAL BID – SCHEDULE VII	76
5.8.	FINANCIAL BID – SCHEDULE VIII	77
5.9.	FINANCIAL BID – SCHEDULE IX	78
6.	ANNEXURES	76
6.1	ANNEXURE (A) - SUPPORT (INFRASTRUCTURE AVAILABLE)	76
6.2	ANNEXURE (B)- SITE NOT READY (SNR) CERTIFICATE.....	78
6.3	ANNEXURE (C)- INSTALLATION CERTIFICATE	79
6.4	ANNEXURE (D)- BANK GUARNTTEE FORMAT FOR EMD.....	81
6.5	ANNEXURE (E)- TEMPLATE FOR PRE-BID CONFERENCE.....	82

1. GENERAL INSTRUCTIONS

Bihar State Electronics Development Corporation Ltd. (BSEDC) intends to purchase following listed items on rate contract model.

The invitation to the bid is for "Empanelment of OEM or authorized partner for the supply, delivery, installation and commissioning of "Printer, Plotter, Photocopier, Scanner, Professional Display Systems, Projector, Tablet, Apple products and Hand Sanitization items" as per following schedule:

1. **Schedule- I - Printers**
2. **Schedule- II - Photocopiers and Scanners,**
3. **Schedule- III - Professional Display Systems**
4. **Schedule- IV - Plotters**
5. **Schedule- V - Projector**
6. **Schedule- VI - Tablet**
7. **Schedule- VII - Apple products**
8. **Schedule- VIII - Hand Sanitizers**
9. **Schedule- IX - Additional Item**

Submission of bids shall be deemed to have been done after careful study and examination of the RFP document with full understanding of its implications. This section provides general information about the Issuer, important dates and addresses and the overall eligibility criteria for the bidders.

1.1. ISSUER

The Bihar State Electronics Development Corporation Ltd. (BSEDC) (herein after referred to as BSEDC) a undertaking of Department of Information Technology, Govt. of Bihar, invites proposals from leading manufactures in the respective Industry for "Empanelment of OEM or authorized partner for Supply, delivery, installation and commissioning of PRINTER, PLOTTER, PHOTOCOPIER, SCANNER, PROFESSIONAL DISPLAY SYSTEMS, PROJECTOR, TABLET, APPLE PRODUCTS and HAND SANITIZATION ITEMS.

1.2. CONTACT PERSON

Managing Director,

Bihar State Electronics Development Corporation Ltd.
BELTRON Bhawan, Shastri Nagar,
Bailey Road, Patna- 800
023 Bihar.

1.3. KEY EVENTS & DATES

Event	Target Date
Tender Processing Fee (TPF) (Non-Refundable)	Rs. 5000.00 + GST @18% to be paid through e-Payment mode (i.e. NEFT/RTGS, Net Banking, Credit/Debit Card) only.
Tender Fee/Cost of BOQ (Non-Refundable)	Rs. 10,000.00 to be paid through e-Payment mode (i.e. NEFT/RTGS, Net Banking, Credit/Debit Card) only.
Earnest Money Deposit (EMD)	Rs. 1,00,000.00 (one lakh) to be paid either through online mode or manual mode (BG) In case of manual mode of payment of EMD, the original hardcopy of the EMD which may be a BG should be submitted in the tendering authority office within the next working day after tender closing date. BG should not be of later date i.e. last date of bid submission.
Request & Sale of Tender Document Date and Time	16/04/2021
Last date to submit queries for clarifications on the Tender Document	21/04/2021 till 11 PM
Date and Time for Pre-Bid conference	22/04/2021 at 16:00 Hours . Bidder has to make a request for VC link on email jitendra.itm@gmail.com one day before from Pre-bid date.
Submission of Tender Date and Time	18/05/2021 till 04:00 PM
General Cum Technical Bid Opening Date and Time	19/05/2021 at 05:00 PM
Financial Bid opening Date and Time	28/05/2021 at 05:00 PM

Note: - This bid document is available on website: www.eproc2.bihar.gov.in Submission of bid is allowed after uploading of the e-Forms (i.e. after Pre-bid clarification) through www.eproc2.bihar.gov.in only.

Note: This Tender Document is not transferable.

1.4. PROCUREMENT OF RFP DOCUMENT

The RFP document can be downloaded from the website www.eproc2.bihar.gov.in in order to attend the pre-bid meeting and response for his/her queries. The cost of tender document will be as per RFP Clause 1.3 which is non-refundable. This fee shall be paid through e-payment only prior to tender submission timeline.

1.5. PRE-BID CONFERENCE

BSEDC shall organize a Pre-bid Conference on the scheduled date and time at BELTRON Bhawan, Patna. BSEDC may incorporate any changes in the RFP based on acceptable suggestions received during the interactive Pre-bid conference. The decision of the BSEDC regarding acceptability of any suggestion shall be final in this regard and shall not be called upon to question under any circumstances. The prospective bidders shall submit their questions in writing to reach BSEDC on or before date and time mentioned in section 1.3. It may not be possible at the Pre-Bid conference to answer question which are received late. The responses will be conveyed to all the prospective bidders (by way of hosting amendments/clarifications on the website i.e. at (www.eproc2.bihar.gov.in) in accordance with the respective clauses of the RFP and no participant would be intimated individually about the response of the BSEDC.

Maximum 2 (Two) personnel from each bidder will be allowed to participate in the pre-bid conference. The bidder who has purchased the tender document will be allowed to attend the Pre-bid meeting. Bidder will have to submit the copy of tender fee before attending the pre-bid meeting.

1.6. AMENDMENT OF RFP DOCUMENT

BSEDC may, for any reason, whether at own initiative or in response to a clarification requested by prospective Bidder, modify the bidding document by amendment. All the amendments made in the document would be published in the website of www.eproc2.bihar.gov.in. All such amendments shall be binding on bidders. The bidders are also advised to visit the aforementioned website on regular basis for checking necessary updates. The BSEDC reserves the rights to amend the dates mentioned in section 1.3 of this volume for bid process.

1.7. DEADLINE FOR SUBMISSION OF PROPOSAL

Proposals for Empanelment of OEMs for Supply, delivery, installation and commissioning of Printer, Plotter, Photocopier, Scanner, Professional Display Systems, Projector, Tablet, Hand Sanitization items must be uploaded in the site www.eproc2.bihar.gov.in as per defined schedule in section 1.3.

BSEDC shall not be responsible for any delay in uploading the documents. No further correspondence on this matter will be entertained.

1.8. ELEGIBILITY CRITERIA

1. Bidder should be OEM or authorized partner.
2. Bidder should be an ISO 9001:2008 certified Company/ Propriety / Partnership / LLP firm (Certificate of Registration required). The bidder should enclose a copy of quality certificate from a globally recognized institution for their manufacturing/ assembly/system integration facilities anywhere located in INDIA or abroad.
3. The bidder's annual sales turnover from sale of Printer, Plotter, Photocopier, Scanner, Projector, and Projection screen etc. items should be at least **Rs. 5 Crore** during each Financial year i.e. 2017-18, 2018-19, 2019-20. Bidders must submit copy of audited balance sheet as proof of turnover, highlighting the turnover part. Bidder may attach CA certificate in this regard.
4. In last three year, Bidder or Authorized partners must have completed the
 - One purchase order of worth Rs. 50 Lakh
 - Or
 - Two purchase orders of worth Rs. 30 Lakh
 - Or
 - Three purchase orders of worth Rs. 15 Lakh
5. The Bidders or Authorized partners must have experience of handling Govt/PSU/BANK orders of same items of value at least **Rs. 25.00 Lakhs in Bihar** with single or multi location supply in last three year.
6. The GSTN registration number of the Bidders or Authorized partners, as well as PAN number of the firm allotted by the Income Tax Department should be submitted, failing which bidder's bid would become invalid & same shall be rejected.
 8. The Bidders or Authorized partners should be registered with GST, Government of India. Enclose copy of the valid Registration No.
 9. Bidder at the time of bidding should not have been blacklisted by any State Government or by any State agencies in India.
 10. Bidders may bid for more than one or all Schedules. However, Bidder must bid for all items in a single Schedule. Incomplete bids shall be rejected.
 11. In view of office memorandum F.No. - 06/18/2019-PP dated 23rd July, 2020, issued by Public Procurement Division, Department of Expenditure, Ministry of Finance, All Tenderers, vendors or service providers should comply to the

restriction under rule 144 (xi) of General Financial Rule (GFRs). If any of the bidders fail to comply then their bids shall be rejected. (For more clarity kindly read complete clause available on the website of Ministry of Finance, Government of India).

An undertaking by authorized signatory must be submitted by each bidder regarding compliance of amendment in GFR dated 23/07/20 mentioned above.

12. EMD Exemption is not allowed.

The Bidders are requested to furnish documents to establish their eligibility for each of the above clauses. If above mentioned documents will not be furnished by bidder, the same would be rejected. Request for subsequent submission of any of the above document may not be entertained. However, BSEDC reserves the right to seek fresh set of documents or seek clarifications on the already submitted documents. All documents should be submitted electronically in PDF format. However, Financial Bid should be submitted in XLS format.

Upon verification/evaluation, if in case any information furnished by the Bidder during evaluation is found to be false/ incorrect, their bid/empanelment shall be summarily rejected/ terminated and no correspondence on the same shall be entertained.

THE BID SUBMITTED BY ANY BIDDER NOT FULFILLING THE ELEGILTY CONDITIONS/CRITERIA STIPULTED ABOVE, WILL NOT BE CONSIDERED AND WILL BE REJECTED.

1.9. EMPANELMENT OF BIDDERS

1. The empanelment will be one year. It may be extended for a further period with mutual consent depending upon BSEDC/Project requirement.
2. All empaneled Bidders shall have to enter into a written agreement with BSEDC for honoring all tender conditions and adherence to all aspects of fair trade practices in executing the purchase orders placed by BSEDC on behalf of its clients.
3. In the event of an empaneled Company or the concerned division of the Company is taken over/bought over by another company, all the obligations and execution responsibilities under the agreement with the BSEDC, should be passed on for compliance by the new company in the negotiation for their transfer.
4. If the name of the product is changed due to any reason, the renamed product should have equivalent or superior technical specifications.
5. In case any selected bidder refuses to sign empanelment within 15 days of communication from BSEDC, the offer would be treated as withdrawn.
6. In case of empaneled bidder is found in breach of any conditions(s) of tender of supply order, at any stage during the course of supply/installation or warranty period, the legal

action as per rules/laws, shall be initiated against the bidder and EMD/Security Deposits shall be forfeited, besides debarring and blacklisting the bidder concerned for at least three year, for further dealings with BSEDC Ltd.

7. BSEDC may, at any time, terminate the empanelment by giving written notice to the empaneled OEMs/bidders without any compensation, if the empaneled OEM becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to BSEDC Ltd.

1.10. DELIVERY, INSTALLATION AND PENALTY

1. All the items would normally be delivered, installed, and commissioned at end user destination within a period of **6 weeks for multi locations** and remote deliveries. However, **4 weeks delivery time** limit will be applicable for all deliveries at BSEDC Ltd. or in Patna only (Order date not to be included) by the supplier. In exceptional cases, BSEDC Ltd. may ask the Bidder/Manufacturer to deliver the items at BSEDC Ltd. for verification prior to delivery, installation and commissioning at user site. The installation should be completed within 10 days of delivery of the equipment at user site. **For special cases and quantity up to 10, Bidder has to deliver the H/w within 15 days of the issuance of work order.**

Delivery and installation at site is to be strictly adhered to in view of the strict time schedule for implementation of various projects. Any unjustified and unacceptable delay in delivery beyond the delivery schedule as per purchase order (which shall not be more than 5 weeks for Patna and 6 weeks for other Districts from the date of purchase order) will render the Bidder/Manufacturer liable for damage at the rate of 1% (one and half percent) per week subject to a maximum of six weeks and thereafter BSEDC Ltd. holds the option for cancellation of the order for pending supply, and procure the same from any other Manufacturer, forfeiting the EMD/Security deposit of the Manufacturer. Also BSEDC LTD. has option to procure the items from alternate source at the risk and cost of the defaulting Manufacturer/bidder.

Proof of Delivery/Installation duly signed by the User/Department local officials, with his name, date of delivery, designation and office seal, legibly recorded, should reach BSEDC Ltd. head Quarter, Shastri Nagar, Patna within 30 days after the date on which the item(s) was delivered/ installed.

2. If the delivery, of whole or in part, is delayed beyond 6 weeks from last the date of delivery as mentioned in the purchase order, BSEDC will have option to cancel the purchase order to the extent of unfulfilled part of the purchase order. BSEDC will be free to procure the remaining items from alternate sources at the cost and risk of the defaulting vendor. BSEDC can cancel the order and impose a cancellation charge of 2% in addition to LD penalty of the value of unsupplied items, which will be recovered from the pending bills or BG/Security Deposit or by raising claims. In extreme case, BSEDC reserves the right forfeit the Bank Guarantee/Security Deposit of the bidders.
3. BSEDC will impose penalty on total value of purchase order if the delivery of more than 20% of the total order value is delayed beyond the last date of delivery mentioned in work order. If the delivery is delayed for the time(s) whose value is equal or less than 20% of the total order value, the penalty shall be applicable on the delayed equipment only.
4. The agency shall provide system manual and user manual along with each item supplied, even if more than one item is ordered for a single location.

5. If the delivery, of whole or in part, is done in those location/offices that is not specified in the list (provided by BSEDC, the penalty of late delivery will be imposed as per the above clauses.
6. A sticker mentioning the service support call center number of the vendor should be pasted on each supplied item. An installation certificate as per format given in Annexure-C must be obtained from user or local govt. officials as then case maybe.
7. For Site Not Ready (SNR) cases (if applicable), vendor requires submitting SNR certificate as per **Annexure-(B): SNR** signed by user or local govt. officials/User Department. However, regarding readiness of site, the decision of the User Department/BSEDC/Local Govt. officials will be final. No penalty will be imposed for SNR case; however, vendor has to install the items within 15 days on receipt of Site Ready notice from User/BSEDC/Local govt. officials else it will attract penalty as per above clause recoverable from Bill.

1.11. PAYMENT TERMS

1. A bill/Invoice needs to be submitted (in triplicate) in the name of BSEDC Ltd. Patna soon after the delivery of the items along with a copy of the duly receipt delivery challan.
2. The vendor has to submit the self-certification letter before claiming the payment, stating that they have delivered (in case of payment after delivery)/installed (in case of payment after installation) the equipment's items properly as per purchase order (P.O.no. _____and date____) in the specified sites (site names as Annexure or write herewith) which has been provided by BSEDC Ltd. If delivery of whole or part of specified items has not been done, penalty may be imposed on vendor as per clause mentioned in section 1.10. Delivery & installation has to be done by the same vendor at the correct address on their own cost.
3. The payment will be made to vendor as per following:

Sl. No.	Percentage (%) Payment	Condition/Milestone
1	0%	No Advance payment shall be made.
2	80 %	On successful delivery, installation/commissioning at end user site and submission of delivery and installation report duly signed by end user.
3	10 %	On successful verification by BSEDC or BSEDC authorized third party.
4	10%	On trouble free functioning for one year or submission of BG of Equivalent value with fifteen months validity after verification.

Note: - Remittance charge on payment made shall be borne by the bidder.

4. Payments shall be subject to deductions of any amount for which the empaneled vendor is liable under the empanelment. Further, all payments shall be made subject to statutory deduction of Taxes.
5. With every invoice an undertaking by bidder is to be submitted as "rates charged are reasonable and competitive with the current market price.

1.12. WARRANTY & MAINTENANCE

1. General conditions during warranty period:

- a. Normal warranty period is one year for Printer, Plotter, Photocopier, Scanner and other Items. Warranty period of display unit is of three years. However, the tender must give the annual rates (in % terms) of extension of warranty for additional period of one year.
- b. The bidders would give comprehensive on-site warranty (COS) that the equipment would continue to Conform to the description and quality as specified for the period on all items from the date of delivery and verification of the said equipment to be purchased and that notwithstanding the fact that BSEDC Ltd. May have inspected and/or approved the said equipment, if during the aforesaid period of warranty, the said equipment be discovered not to conform to the description and quality aforesaid or have determined (and the decision of BSEDC Ltd., will be final and conclusive), BSEDC Ltd. will be entitled to reject the said equipment or such portion thereof as may be discovered not to conform to the said description and quality, on such rejection the equipment will be at the seller's risk and all the provisions relating to rejection of goods etc., shall apply. The supplier or R/C holder shall if so called upon to do, replace the equipment etc., or such portion thereof as is rejected by BSEDC Ltd., otherwise the supplier or R/C holder shall pay such damage as may arise by the reason of the breach of the condition herein contained. Nothing herein contained shall prejudice any other right of BSEDC Ltd. Under this contract normally, purchase orders will be released for only One year warrantee. BSEDC Ltd. may however, clarify at the time of purchase order that whether items are under One year or 01 year warranty (extended warranty). Bidder must quote their rate of AMC (comprehensive) positively in financial bid in % terms of total cost. The % rate would be used for extended warranty purpose with lowest % age bid for that item.
- c. In addition to warranty as mentioned in clause (ii) above, the bidder shall during the warranty period replace the parts, if any, and remove any manufacturing defect, if found during the above said period, so to make the equipment operative. The bidder shall also replace parts of equipment, in case it is found to be malfunctioning and defective, and that the equipment cannot be put to operation otherwise. This also includes the cost towards labor by the bidder.
- d. In case of machinery and equipment specified by BSEDC Ltd. the bidder shall be responsible for carrying out annual maintenance and repairs on the terms and conditions as may be agreed. The bidder shall also be responsible to ensure adequate regular supply of spare parts needed for a specific type of machinery and equipment whether under their annual maintenance and repairs rate contract or otherwise. In case of change of model, he will give minimum 15 days' notice to the BSEDC Ltd. who may like to purchase spare parts from them to maintain the machinery and equipment in perfect condition.

2. If site gets ready and equipment is installed within 6 months of date of delivery, then warranty will start from installation date. But, in case, site does not get ready even after 6 months from the date of delivery, then warranty will start after 6 months from the delivery date.
3. All empaneled vendors shall have to enter into a written agreement with BSEDC for honoring all tender conditions and warranty maintenance support, through a mechanism suitable to vendor and BSEDC both.
4. All empaneled vendors shall have to maintain an on-line fault booking & monitoring system for complaints including submission of Quarterly Reports or reports as and when required by BSEDC. Empaneled vendor has to provide a link, so that, reports can be viewed and downloaded.
5. The Vendor should fulfill the following conditions during warranty period:

The complete system should be under one year's free comprehensive on site (COS) warranty support service from the date of installation and acceptance (as the case may be) should fulfill the following conditions during warranty:

- a. Any failure in the systems or a subsystem thereof should be rectified within maximum period of 08 hours of lodging complaint at state capitals and 24 hours at other site. Normal transit time not exceeding 08 hours additionally will be allowed if the site happens to be other than state capitals; otherwise penalty will be levied per day per item/system at the rate of 0.25% equipment value. Maximum penalty during the warranty period will be limited to 10% of the equipment value in a year. Beyond that BSEDC reserves the right to terminate the rate contract and forfeit the PBG submitted by the vendor. For this successful vendor will maintain call log and facility of lodging complaints on telephone or website with complaint No, Date & Time given to the complaint.
 - b. Any system failing at subsystems level at least three times in three months, displaying chronic system design or manufacturing defects or quality control problem will be totally replaced by the Manufacturer at his cost and risk within 30 days.
6. On completion of the Warranty period, the performance Security Deposit without any interest accrued shall be released after certifying that proper support has been provided during warranty period of three year for all the items. If considered necessary, suitable amount of penalty shall be recovered from the Vendor out of their due payments or from their Security Deposit or by raising claims, while releasing the Security Deposit.

7. If vendor refuses to honor this extended warranty support, vendor may be debarred from participating in similar future tenders.
8. The bidder will have to intimate to BSEDC Ltd. in written regarding the expiration of warranty period before 3 (three) months from the date of expiry of warranty of equipment/items.

1.13. PRICE VARIATION CLAUSE

1. During the validity of the empanelment including the extended period, if any, if the Bidder sells any empaneled item to any other Department/Organization at a price lower than the price fixed for BSEDC, the Bidder must voluntarily pass on the price difference to BSEDC with immediate effect. Similarly, in the event of lowering of Government levies subsequent to the finalization of the panel, the Bidder shall automatically pass on the benefits to BSEDC, and in the event of increasing of Government Taxes/levies subsequent to the finalization of the panel, BSEDC shall consider the case on merit and the pro-rata benefits to the vendor may be considered if full reference with documentary evidence is submitted.
2. Bidder must have to pass on the current revised rate (less than the current market price) on quarterly basis which cannot be higher rates of empaneled rate in the rate contract.

1.14. FORCE MAJEURE

Neither party shall be responsible to the other for any delay or failure in performance of its obligations due to any occurrence commonly known as Force Majeure which is beyond the control of any of the parties, including, but without limited to, fire, flood, explosion, acts of God or any Governmental body, public disorder, riots, embargoes, or strikes, acts of military authority, epidemics, strikes, lockouts or other labour disputes, insurrections, civil commotion, war, enemy actions. If a Force Majeure arises, the Bidder shall promptly notify BSEDC Ltd in writing of such condition and the cause thereof. Unless otherwise directed by BSEDC Ltd, the successful bidder shall continue to perform his obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. The successful bidder shall be excused from performance of his obligations in whole or parts long as such causes, circumstances or events shall continue to prevent or delay such performance.

1.15. EARNEST MONEY/SECURITY DEPOSIT AND TENDER FEE

1. The General Bid should also contain relevant supporting documents and Earnest Money Deposit (EMD) of Rs. 1,00,000 (Rupees One Lakhs only) by Demand Draft/ Irrevocable Bank Guarantee (valid 210 days) of any nationalized/ scheduled bank drawn in favour of "Bihar State Electronics Development Corporation Ltd, Patna" & Tender Fee of Rs. 10,000 (Rs. Ten Thousand only) through online payment mode only.
2. The Earnest Money Deposit of the unsuccessful bidders will be refunded without any interest within one month of the issuance of empanelment of bidder.
3. EMD of successful bidders whose tenders are accepted for undertaking the work assigned will be returned after submission of Performance Security deposit. The successful bidder will submit a Contract Security deposit of Rs. 2 Lakh (Rs. Two Lakhs). The same would be a Bank Guarantee and would have to be submitted at the time of agreement with 15 (Fifteen) month validity from of signing of the agreement.
4. The successful bidder will also submit an acceptance of the Letter of Intent within seven days.

2. NOTICE INVITING TENDERS



Bihar State Electronic Development Corporation Limited
BELTRON Bhawan, Shastri Nagar,
Patna- 800 0023, Bihar
Phone:- 0612-228 1856/228 1857 Fax:- 0612-228 1857
Email ID- jitendra.itm@gmail.com

Tender/NIT No.:- BSEDC/2202/21 Dated:-16/04/2021

Empanelment of OEM for Delivery, Installation and commissioning of PRINTER, PLOTTER, PHOTOCOPIER, SCANNER, PROFESSIONAL DISPLAY SYSTEMS, PROJECTOR, TABLET, HAND SANITIZATION ITEMS, Apple Laptop & Desktop with standard warranty and AMC for extended one year

e-Tenders are invited from the Original Equipment Manufacturers or its Authorized Partners by Bihar State Electronics Development Corporation Ltd. for Empanelment of vendors for Supply and Installation of PRINTER, PLOTTER, PHOTOCOPIER, SCANNER, PROFESSIONAL DISPLAY SYSTEMS, PROJECTOR, TABLET, HAND SANITIZATION ITEMS, Apple Laptop & Desktop with standard warranty & AMC for extended one year. The details of the Tender document are available on the website:- www.eproc2.bihar.gov.in.

Last date for submission of Tender (Only through e-Tendering): 18/05/2021 till 04:00 PM. The submission of tender will only be allowed after amendments if any, as a result of Pre-bid meeting.

Sd/-
Managing Director

2.1. INSTRUCTIONS TO BIDDERS

There are two parts of tender document namely:-

- ✓ General Bid cum Technical Bid
 - ✓ Financial Bid
- i. The tender should be submitted through e-Tendering/e-Procurement portal only. No other form of tender submission will be valid for evaluation.
 - ii. Tenders duly filled and accompanying all supporting documents, should be uploaded in the e-Procurement / e-Tendering portal as per the defined schedule in section 1.3, after which no tender would be accepted and would be able for outright rejection.
 - iii. The bidders can submit the EMD in form of Bank Guarantee or can pay the EMD amount through e-payment prior to the last date of tender submission.
 - iv. The online bids will be opened at BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD., BELTRON Bhawan, Shastri Nagar, Patna- 800 023. Financial Bids of only those Bidders will be opened who will be short listed from the General cum Technical bids.
 - v. Tenders should be fully in accordance with the requirements and as per the Terms and Conditions stated in the RFP.
 - vi. All offers should be made in English. Conditional offers and offers qualified by such vague and indefinite expression such as “Subject to immediate acceptance”, “Subject to prior sale” etc. will not be considered.
 - vii. The Price and conditions of the offer should be valid for at least a period of 365 days from the date of tender opening. Quotations/ Bids with validity of less than 365 days may be rejected.
 - viii. Modification of specifications and extension of closing date of tender, if required, will be made by an Addendum/Corrigendum which will be uploaded on website- www.eproc2.bihar.gov.in.
 - ix. Bidders shall carefully examine the tender documents and the technical specification and fully inform themselves as to all the conditions and matters, which may in any way, affect the work or the cost thereof.
 - x. If a bidder find discrepancies in or omissions from the specification or other documents, or if there is any doubt as to their meaning, he should at once notify BSEDC Ltd. This however does not entitle the bidder to ask for time beyond the due date fixed for receipt of tenders.
 - xi. Submitted tender forms, with overwritten or erased or illegible rate or rates not shown in figures and words in English, will be liable for rejection. In case of discrepancy between words and figures noted against each items of the tender and between unit rates and the total amount, the decision of the tender issuing authority (BSEDC Ltd.) will be final and binding on the bidders. Total of each item and grand total of whole tender should be clearly written. Clerical and arithmetical mistakes may result in rejection of the tender.
 - xii. The terms of payment delivery and acceptance applicable in this case and indicated in the

General Terms and Conditions BSEDC Ltd. on behalf of the State Govt. or its BSEDC may, in exceptional cases, consider alternative terms than those specified.

- xiii. In comparing tenders and in making awards BSEDC Ltd may consider such factors as compliance with the specifications, relative quantity of supply, ability to provide repairs and maintenance service, the time of delivery and such other conditions as it may consider relevant.
- xiv. Request from the bidder in respect of additions, alterations, modifications, corrections etc. of both terms and conditions or rates after opening of the tender will not be considered.
- xv. The bidder shall make its own arrangements, for supply, installation and commissioning of materials at destination.
- xvi. While tenders are under consideration, bidders and their representatives or other interested parties, are advised to refrain from contacting by any means Purchaser's personnel or representatives, on matters relating to the tenders under study. BSEDC Ltd. if necessary will obtain clarification on tenders by requesting such information from any or all the bidders either in writing or through personal contact as may be necessary. The bidder will not be permitted to change the substance of his offer after the tenders have been received in BSEDC Ltd.
- xvii. Any attempt by any bidder to bring pressure of any kind, may disqualify the bidder for the present tender and the bidder may be liable to be debarred from bidding for BSEDC Ltd. tenders in future for a period of three year.
- xviii. Bidder should not be blacklisted by any State or by any State agencies.

2.2. DOCUMENTS TO BE FURNISHED WITH GENERAL CUM TECHNICAL BID

Documents advised to be furnished along with General cum Technical Bid in the following order. For the General Bid, Bidders should upload attested scanned copies of the following basic documents along with the bid.

- i. Copy of GSTN Registration number allotted.
- ii. Copy of PAN/TIN number of the Bidder/Manufacturer allotted by the Income Tax Authorities.
- iii. The attested copy of the bidder/ Manufacturer GST No.
- iv. Proof of annual turnover of the Bidder (audited P/L account or CA certified financial) has to be submitted.
- v. Bidder should attach self certified photo copy of Purchase orders as per eligibility criteria.
- vi. Certificate of Registration of Manufacturer as per eligibility criteria. Registration number of the firm along with the GST No. should invariably be given in the tender bid.
- vii. The valid income Tax Clearance Certificate should also be given.
- viii. Necessary detailed technical write-up highlighting the features of the system offered.
- ix. Reports published in journals comparing the offered product with other similar products.
- x. Any other document which the bidder feels necessary to support his bid.

- xi. The Manufacturer should also furnish the following with the General Bid
 - a) The address of the OEM's Country Office & Local office in Bihar (along with telephone/mobile /fax /e-mail/web address).
 - b) The details of Service New work (Service station with Address, Officer-in-charge, No. of service engineers, Area Covered etc.) available across Bihar.
- xii. Bidder has to furnish an undertaking for providing all sort of technical help to their local office or their system integrator.
- xiii. Technical Compliance schedule wise .

Note:- In case the Bidder has no local presence in Bihar he may furnish an under taking for establishing the same within 30 days from the Awarding of Contract.

2.3. E-PROCUREMENT RELATED INSTRUCTIONS

The bidder shall submit his bid/tender on e-Procurement platform at www.eproc2.bihar.gov.in.

- a. The bidder must have the Class II/III Digital Signature Certificate (DSC) and e-Tendering User-id of the e- Procurement website before participating in the e-tendering process. The bidder may use their DSC if they already have the DSC. They can also take DSC from any of the authorized agencies. For user-id they have to get registered themselves on e-procurement website www.eproc2.bihar.gov.in and submit their bids online on the same. Offline bids shall not be entertained by the Tender Inviting Authority for the tenders published in e-procurement platform.
- b. The bidders shall submit their eligibility and qualification details, Technical bid, Financial bid etc., in the online standard formats given in e-Procurement web site at the respective stage only. The bidders shall upload the scanned copies of all the relevant certificates, documents etc., in support of their eligibility criteria / technical bids and other certificate /documents in the e-Procurement web site. The bidder shall digitally sign on the supporting statements, documents, certificates, uploaded by him, owning responsibility for their correctness/authenticity. The bidder shall attach all the required documents for the specific tender after uploading the same during the bid submission as per the tender notice and bid document.
- c. All the required documents should be attached at the proper place as mentioned in the e-forms otherwise the tender of the bidder will be rejected.
- d. Tender Processing Fee (TPF) to be paid through e-Payment mode (i.e. NEFT / RTGS, Net Banking, Credit / Debit Card) only.
- e. Cost of BOM/ Form Fee to be paid through e-Payment mode (i.e. NEFT / RTGS, Net Banking, Credit / Debit Card) only.
- f. "Earnest Money Deposit (EMD) can be paid either through online mode or manual mode (BG). In case of manual mode of payment of EMD, the original hardcopy of the EMD which may be a BG or any other instrument that should be submitted in the tendering authority office before tender opening date and time."

Note: *"Bids along with necessary online payments must be submitted through e-*

Procurement portal www.eproc2.bihar.gov.in before the date and time specified in the NIT/RFP. The department/Tendering Authority doesn't take any responsibility for the delay / Non-Submission of Tender / Non-Reconciliation of online Payment caused due to Non-availability of Internet Connection, Network Traffic / Holidays or any other reason."

g. The tender opening will be done online only.

h. Any corrigendum or date extension notice will be given on the e-Procurement website only.

i. For support related to e-tendering process, bidders may contact at Toll Free

Number:(1800 572 6571), email id: eproc2support@bihar.gov.in(Working Hours: 8AM to 7PM
(All days in week except few selected state holidays).

GENERAL BID

3. GENERAL BID

3.1. TENDER FORM

Indicative e-Forms (it may be changed and uploaded after corrigendum if any)

Bihar State Electronics Development Corporation Ltd. Patna (A Govt. of Bihar Undertaking)						
Tender Form						
Details of the firm participating in the Tender no.:-BSED//				dated:-		
1	Name of Bidder					
2	Name & Designation of Authorized Signatory					
3	Registered office Address					
4	Factory/Go-down Address					
5	Year of Establishment					
6	Type of Firm	Public Limited	Private Limited	Partnership	Proprietary	
	Put Enter "Yes"					
7	Telephone Number(s)/Mobile					
8	Website					
9	Fax No.					
10	E-mail Address					
I. The Tender fee amounting to Rs. 10,000/- (Rs. Ten Thousand only) has been deposited						
Online Payment only						
Dated						
Copy of this is attached as TDFEE_DOC						
II. Following documents are attached towards the proof of earnest money deposited.						
Sl. No.	Instrument of Earnest Money Deposited(EMD) FD/DD/Banker's Cheque (Local Only)/e-Payment/others	Amount	Number	Starting date for EMD BG	Expiry date for EMD BG	If exempted mark (Yes)
				DD/MM/YYYY	DD/MM/YYYY	
Note 1:- Earnest Money Deposit (EMD) as per details given above, by Demand Draft/Pay order/e-Payment/Irrevocable Bank Guarantee (valid for 210 days from last date of submission of Tender) of any Nationalized/scheduled Bank drawn or others in favour of "Bihar State Electronics Development Corporation Ltd. Patna."						
Copy of this is attached as EMD_DOC						

III. ELEGIBILITY CRITERIA:

a) OEM must have minimum Ten year manufacturing experience.

(Copy of this is attached as OEMEXP_DOC

b) Turnover criteria-

Turnover from past three year each audited- **Rs. 5 Crores** in last three financial years. CA audited report must be submitted in support.

Details of Present/Past turnover of our firm is given as below

Sl. No.	Turnover (In lakh Rs.)	Year
		2017-19
		2018-19
		2019-20

Copy of audited financial statement is attached as TURNOVER 5 CR_DOC

c) **Order Value criteria for PRINTER, PLOTTER, PHOTOCOPIER, SCANNER and other ITEMS** Experience of similar supplies of order value and completion Certificate in Bihar (In any of the year of the last Three financial year) of:

i. One order of worth Rs. 50 Lakh or more or

ii. Two orders of worth Rs. 25 Lakh each

or

iii. Three orders of worth Rs. 17 Lakh each

Details of the orders given to our firm is given below:

Sl. No.	Date of Order	No. of Orders	Name of Ordering Authority	Value of the Order in INR

Copy of original orders is attached as ORDER 50 Lakh_DOC/ORDER 25 Lakh_DOC/ORDER 17 Lakh CR_DOC (As the case may be)

d) **Experience Criteria for Presence in Bihar-** Experience of handling Govt./PSU/BANK order of the value of similar item at least Rs. 25.00 Lakh in Bihar with multi location supply in last three year. The details are given below:

Details of the orders given to our firm is given below:

Sl. No.	Date of Order	No. of Orders	Name of Ordering Authority (Govt./PSU/Bank)	Value of the Order in INR

Copy of original orders is attached as EXP_DOC

e) PAN- (Bidder must quote their PAN) The details of bidder's PAN is as follows:	
Name of the bidder	
Copy of PAN is attached as PAN_DOC	
f) Service Tax Registration No. and APPLICABLE TAXES (Bidder must quote their GST Registration Number). The details are given below:-	
Name of the bidder	
GST no. allotted by Department	
Copy of GST registration No. is attached as GST_DOC	
g) Digitally Signed copy of entire Original Tender Document and Corrigendum and with one page undertaking by the firm submitted (format is Annexure after this Tender form)	
Copy of entire original Tender document and corrigendum and with one page undertaking by the firm is attached as SIGNEDTD_DOC	
h) Quality Certification- The Bidder should have as per section 1.8 (10)	
Copy of Quality certificates is attached as QC_DOC.	
(i) Contact details: contact details of service centre and service engineer as per section 1.8, Corrigendum and Annexure-A	
Copy of Contact Details is attached as SC_DOC.	
(J) Bid Letter: As per section 4.1	
Copy of Bid letter(General + Technical) is attached as BIDLET_DOC.	

Declaration:-

I do hereby declare that copies of above documents have been attached at the right and correct hyperlink provided with the correct document name in the next page. In case documents have been attached at wrong place, our Tender is liable to be rejected.

Signature & Seal of the Bidder

3.2. CHECK LIST**CHECK LIST**

Evaluation will be done as per the information provided in the checklist. Hence unattached checklist may be rejected.

Check List for Document Submission

Sl. No.	Checklist Item Description	Document Name	Document attached (YES/NO)
1	Submission of Tender document Fee	TDFEE_DOC	
2	Submission of EMD	EMD_DOC	
3	OEM Certificate for last 10 year	OEM CERTDOC	
4	Bid Letter	BIDLET_DOC	
5	Turnover Eligibility Criteria (5 Crore)	TURNOVER 5 Crore_DOC	
a	One purchase order of worth Rs. 50 Lakh	ORDER 50 Lakh_DOC	
b	Two purchase orders of worth Rs. 25 Lakh each	ORDER 25 Lakh_DOC	
c	Three purchase orders of worth Rs. 17 Lakh each	ORDER 17 Lakh_DOC	
6	Experience of handling Govt./PSU/BANK order of the value of at least Rs. 25.00 Lakh in Bihar with multiplication supply in last three year within single order and multi locations supplies of Printer, Plotter, Photocopier, Scanner, Professional Display Systems etc. Items	EXP of Printer, Plotter, Photocopier, Scanner, Plotter, Photocopier, Scanner, Projector, Projection Screen, Projector, Tablet, Hand Sanitization items	
7	PAN Number allotted by the Income Tax Authorities, copy only.	PAN_DOC	
8	Manufacturer's Regd. allotted by GST No.	GST REG_DOC	
9	One page of Undertaking of Acceptance of RFP and Corrigendum by the firm submitted	SIGNED TD_DOC	
10	Quality Certificates	QC_DOC	
11	Contact Details of Service Center and Service Engineer	SC_DOC	
12	MAF		
13	Undertaking for Country compliance of amendment in GFR dated 23/07/20	Country_Doc	
14	Undertaking for Not Blacklisting	Blacklisting_DOC	

Note:-All documents should be attached at right places otherwise it will be rejected.

I do hereby declare that the following self-attested copies of the documents have been submitted with the Tender Document.

3.3. BIDDER UNDERTAKING

Undertaking by the Bidder

I have read all the terms, conditions, enclosures and the whole tender document No Dated (Page number 1 to.....) and corrigendum (if any) No..... Dated... (Page no1 to page no.....) and have understood the contents. As a token of acceptance of all the terms of tender, I am hereby submitting the entire tender document and the full corrigendum electronically in PDF format by using the allotted digital signature. I am also authorized by my firm to fill in this tender and therefore I am submitting this in the form of undertaking. Apart from that I agree to abide by the following:

1. Certificate of satisfactory past performance (last 3 year) has been enclosed.
2. We will ensure that a minimum of 98% uptime, calculated on an annual basis is achieved for the supplied items.
3. We shall give benefit of any price reduction found by the time of placing the supply order.
4. We agree to accept partial order if it is placed.
5. We have quoted rates of items for 1 year comprehensive on-site (COS) warranty, with spare and labour charge.
6. We agree to maintain/support the quoted items after warranty period as well. In case the item quoted is imported, direct shipment of the entire machine/item including add- ones from OEM, is ensured & would be provided. It is undertaken that no item supplied is used/reprocessed or refurbished in any manner either in part or otherwise.
7. We have state wide infrastructure support in the form of franchises or service centers in morethan9DivisionalOfficesor20Service Engineer's at various Districts.
8. We have not been blacklisted by any State or by any State agencies in India.
9. The above document is executed on //20 at(place)_____and we accept that if anything out of the above information is found wrong during the bid process or in period of empanelment of items, our tender or empanelment shall be liable for rejection/cancellation.
10. We hereby undertake that all the components/ parts/assembly are original and no duplicate parts are used in the entire manufacturing process.

Name of Person: _____

Complete Address: _____

Signature & Seal of the Bidder

Undertaking of Authenticity Printer, Plotter, Photocopier, Scanner, Professional Display Systems, Projector, Tablet, Hand Sanitization items Supplies

To,
Managing Director
BSEDC Ltd. , BELTRON Bhawan
Shastri Nagar,
Patna- 800 023

Sub:- Supply of Printer, Plotter, Photocopier, Scanner, etc. items

Ref.:- 1. Your Tender No.-**BSEDC/** / **dated:-**

We hereby undertake that the components/parts/assembly used in the equipments under the above shall be original. New components/parts/assembly is only from respective OEMs of the products and that no refurbished/duplicate/second hand components/parts/assembly is being used or shall be used.

We also undertake that in respect of licensed operating system if asked for by you in the purchase order, the same shall be supplied along with the authorized license certificate (eg. Product Keys on certification of Authorized Channel).

Should you require, we hereby undertake to produce the certificate from our OEM supplier in support of above undertaking at the time of delivery/installation. It will be our responsibility to produce such letters from our OEM suppliers at the time of delivery or within a reasonable time.

In case of default and we are unable to comply with above at the time of delivery or during installation, for the Printer, Plotter, Photocopier, Scanner etc. items already billed, we agree to take back the item supplied without demur, if already supplied and return the money if any paid to us by you in this regard.

We (system OEM name) also take full responsibility of both Parts & Service SLA as per the content even if there is any defect by our authorized Service Centre/Reseller/SI etc.

Authorized Signatory

Name:

Designation:

Place:

GENERAL TERMS AND CONDITIONS

Note: Bidders should read these conditions carefully and comply strictly while submitting their tenders.

- 1) Items under the contract: The detailed Technical Specifications of the Systems proposed are given in the Technical Bid Section.
- 2) Opening and Validity of the Bids: The Technical Bids of only the bidders, short listed from the General bid, will be opened. The bids will be opened on scheduled date and time even in case of absence of the bidders. Financial bid should be valid for a minimum period of 365 days from the date of tender opening for placing the initial order.
- 3) BSEDC Limited reserves the right to cancel/abrogate the whole or a part of this tender document without assigning any reason(s).
- 4) In the event the Bidder/company or the concerned division of the Bidder's Company is taken over/bought over by another company, all the obligations under the agreement with BSEDC Ltd., should be passed on for compliance by the new company in the negotiation for their transfer.
- 5) The Bidder will have to enter into written agreement with BSEDC Ltd. for honoring all aspects of fair trade practices in executing the purchase orders placed by BSEDC Ltd. by responding to this tender.
- 6) Change in Product Name: If the name of the product is changed for describing substantially the same in a renamed form, then all techno financial benefits aspects with respect to the original product, shall be passed on to BSEDC Ltd. and the obligations with BSEDC Ltd. taken by the Bidder with respect to the product with the old name shall be passed onto the products or named.
- 7) All the terms and conditions for the supply, testing and acceptance, payment terms, deduction, penalty etc. will be as those mentioned herein and no change in the terms and conditions by the bidders will be acceptable. Alterations, if any must be done 24hrs before the time of closing (last date and time) of submissions. Such alterations in the tender bids should be attested properly by the bidder, failing which, the tender will be rejected.
- 8) BSEDC Ltd. will not be responsible for any delay on the part of the bidder in obtaining the terms and conditions of the tender notice or submission of the tender bids.
- 9) For all the parts/controller cards/devices, the make and model should be mentioned in the technical bid with complete details.

- 10) The Successful Bidder must open a local office (If non-existent) within the geographical and administrative boundaries of the State of Bihar within one month from the Awarding of Contract.
- 11) The system must be supplied in full as per specified configuration for acceptance. The acceptance tests will include the running of the evaluation test was conducted during selection of the bidder. The system must give same performance results as shown during initial benchmark/evaluation tests. The delivered systems, in addition to meeting the evaluation test, should also contain the same subsystem (Branch/Manufacturer) as were given at the time of initial evaluation tests. Failure to fulfill any of the above-mentioned conditions will entail damage, deduction or cancellation of the purchase order along with forfeiture of the EMD/Security Deposit.
- 12) **Testing and acceptance:** Normally, testing and acceptance of the systems will be done at the actual sites of installation or at BSEDC Stores. However, wherever it is considered necessary, testing and acceptance may be done at the time of delivery or Factory premises of the Manufacturer. In that case the items which are accepted after testing should be sealed inside carton under the joint signature of the representatives of BSEDC Ltd. and Manufacturer's representative and then sent along with the packing list giving serial numbers and part numbers of all possible items and copy of the acceptance test report to the site and install within 10 days without any additional charges. All aspects of safe delivery shall be the exclusive responsibility of the manufacturer. BSEDC Ltd reserves the right to reject any item, if found unsuitable and / or not conforming to the approved specifications. The rejected items, if any, shall have to be taken back and replaced by good quality equipment forthwith at the cost of the bidder. No payment will be made for the rejected items. At the destination site, the cartons will be opened only in the presence of Manufacturer's representative and the intact position of the seal for not being tampered with shall also form the basis for certifying the receipt in good condition. During installation at site, if any item is found to be defective or broken, it will be replaced with new one by the Manufacturer at their cost and risk within 30 days.
- 13) A pre-receipted bill/ Invoice shall be submitted in triplicate in the name of Bihar State Electronics Development Corporation Ltd. or design ate authority. It shall be done soon after the delivery along with a copy of the duly receipted delivery challan. The payment of the bills will be made as per clause no.1.12.
- 14) The bidder should provide the system manual and user manual along with each system.
- 15) This shall be binding on the Bidder/ Manufacturer under the terms and conditions of the purchase order to be placed on finalization of the tender process. Hardware vendor should provide all kind so after sales support during the warranty period.
- 16) Penalty will be not charged if delivery and installation is delayed due to Department reason e-g. site not ready etc.

- 17) The bidder shall enter into agreement with BSEDC Ltd not to supply the items covered under "Rate Contract" either directly or indirectly through its Authorized Business Partners or third party sellers at a rate less than the 'contract rate' to any organization, Department, PSUs, organization or in market located in Bihar. Prices for similar specification shall not be acceptable higher than market price (whichever is lower). If failing above, BSEDC reserves the right to reject the Bid.
- 18) During the validity of the Contract including the extended period, if the bidder sells any system or sub-system of the same or equivalent configuration to any other Department /Organization in the state of Bihar at a price lower than the price fixed for BSEDC Ltd., the Manufacturer/ bidder shall voluntarily pass on the price difference to BSEDC LTD, failing which BSEDC may consider it as excess payment and reserves the right to recover the excess money paid on account of lowering of prices.
- 19) The bidder should quote minimum price for each item as per stipulated specifications. In case, the items matching to the stipulated specifications are not available with the Bidder, he can offer alternatives with same specifications. However, he must get this clarified in the pre-bid meeting in writing failing which BSEDC Ltd reserves the right to reject the Bid with non confirmative specifications.
- 20) In case BSEDC LTD. shows that the market rates have come down from the time earlier when rates were finalized or selection of new system configuration based on market trends, BSEDC LTD will ask the technically short-listed bidders to re-quote the prices and the Vendor will be selected on the basis of procedure given earlier. The time difference between such re-quotes will be minimum 1month.
- 21) BSEDC LTD reserves the right to reject any or all the tenders without assigning any reason what so ever. BSEDC LTD would not be under obligation to give any clarification to such rejected tenders. BSEDC Ltd may decide not to procure any particular item even after opening the bids.
- 22) Prices should be quoted in Indian National Rupees (INR).
- 23) All disputes are subject to jurisdiction within the geographical and administration confines of Patna only.
- 24) Terms of delivery: Free delivery at site i.e. at user/ consignees' destination place including freight & forwarding Insurance.
- 25) Insurance: Transit Insurance, it will be responsibility of supplier for safe arrival of stores in full and good conditions at consignee's place and purchaser will not pay separately for transit insurance.
- 26) The suppliers shall attend to the complaint within 8 hours of its logging and intimate/display the status of the same to the BSEDC/Onsite Users. They will also submit the status report of complaints to BSEDC on Quarterly basis duly giving a summary of the total complaints received, complaints settled and complaints outstanding with reasons thereof for review of the same. In case the Quarterly Reports are not submitted by the suppliers or the same are not satisfactory, BSEDC reserves the right to take administrative action including short-closure of the rate contract.

3.4. SPECIAL NOTE TO BIDDERS

- 1) After finalization of financial bid agreement will be signed only with **OEM/Authorized Partner**. OEM may authorize their authorized channel partner for supply and installation activity. Bidder must have to provide MAF for each quoted model.
- 2) Authorized channel partner of OEM must fulfill the following eligibility criteria:
 - I) The channel partner's annual sales turnover must be of worth Rs. 5 Cr or more during each financial year of 2017-18, 2018-19, 2019-20.
 - II) The channel partner must have executed the purchase order of Rs. 25 Lakh in multi-location in Bihar.
 - III) The channel partner must have the registration **number of GST in Bihar**.
 - IV) Chanel Partner must not be backlisted anywhere in India at the time of Bid submission.
- 3) Only one Agent or Subsidiary or distributor who enters into direct agreement with OEM and not through any intermediately channel can only be considered as a valid Channel Partner.
- 5) The foreign manufacturer has to declare with documentary evidence that they have adapted/ tropicalized the equipment to suit Indian climatic conditions and can prove the performance of the same at the premises in India. (Testing facilities required at firms premises are for functional and performance parameters only and not for type testing and environmental testing as these tastings have to be got done from Govt. lab) The firms meeting these conditions, in addition to other conditions of registration in vogue, shall only be considered for registration as 'supplier of imported stores'. Mere submission of test report for environmental testing will NOT be treated as sufficient unless above declaration is also furnished by the importer, along with their application for registration and tender enquiry.
- 5) Supplier of Imported stores must submit a notarized affidavit from their foreign principal (OEM) that the product/model number being quoted against the tender is currently undergoing production and have NOT been discontinued by them. The OEM shall further undertake that they shall continue to provide support to the product/model no. being quoted, during their warranty period. Such an undertaking shall be submitted at the time of registration, bidding and during EACH inspection.

3.5. BID EVALUATION

GENERAL AND TECHNICAL EVALUATION

1. A duly constituted Tender Cum Purchase Committee (TCPC) will first select Bidders on the basis of eligibility criteria of this tender. The Bids conforming to the eligibility criterion will be considered for further technical evaluation.
2. The bidders should be ready with the quoted items immediately after submitting their bids. The TENDER CUM PURCHASE COMMITTEE (TCPC) will short list the Technical bids configuration wise on the basis of technical parameters. If required, the short listed Bidders may be asked to bring one of each quoted model or improved latest model of same make as per specifications set out in the tender for technical evaluation, along with their own test and measuring equipments/software at BSEDC HQ or any other site as may be finalized by BSEDC, as per schedule to be intimated to them. In case of improved model, the improved model should not be inferior in any specification than the quoted model. During Technical Evaluation the quoted product shall be physically verified for the required tender specifications, tested for reliability, functionality, benchmarked and other features as decided by the TENDER CUM PURCHASE COMMITTEE (TCPC). In case the vendor fails to bring the quoted products within the prescribed limit given by the BSEDC for evaluation, the bid may be rejected and EMD forfeited. TENDER CUM PURCHASE COMMITTEE (TCPC) may decide to inspect the equipment at Bidder's/OEM's premises.
3. If during the technical evaluation, any of the System fails then no subsequent chance will be given to the Bidder. However, alternate item (1) of already quoted make and model or (2) improved latest model of same make on account of technological trends which meets all the tendered technical specifications and superior in specifications than the quoted model, if available instantly on the spot could be considered by TENDER CUM PURCHASE COMMITTEE (TCPC) for evaluation only once. Based on the demonstration/evaluation test results, Bidders will be short listed. Financial bids of only technically qualified Bidders will be opened.
In their own interest the bidders are advised to ensure that the Items brought by them for evaluation conform to all tendered technical parameters/specifications and are functional. Systems not meeting complete tender specifications will not be considered for evaluation.
4. For Technical Evaluation, Bidders have to ensure the availability of appropriate specialist, along with every type of documentation and consumable required, from their organization for interacting with TENDER CUM PURCHASE COMMITTEE (TCPC) and evaluation team. If the required specialist along with proper documentation is not made available by Bidders, then such defaulting Bidders will automatically be debarred from the tender evaluation process.

FINANCIAL EVALUATION

1. The Financial Bids of only technically qualified bidders will be opened electronically on as pacified date and time duly notified. The financial bids will then be passed on to a duly constituted Evaluation Committee for evaluation. If BSEDC considers necessary, revised financial Bids can be called from the technically shortlisted Bidders, before opening the original Financial Bids. In that case, the revised bids should not be higher than the original bids (except in case of increase in Govt. taxes/levies/foreign exchange fluctuations) otherwise the bid will be rejected & EMD will be forfeited of such defaulting bidders.
2. Purchase order will be given on the lowest total unit price of individual items. Bidders have to quote the price which will be not more than market price.
3. The rate will be finalized based on the Lowest (L1) rate quoted for any item by the technically qualified bidder.
4. Bidder maybe asked to match the L1 rate of item after opening of financial bid. But only those bidders will be asked to match L1 rate of items whose quoted price is in the range of 20% of discovered L1 rate of item.
5. The bidder who quoted the lowest rate in financial bid will be given priority during the placing of purchase order by BSEDC.
6. **In case of L2, L3, L4 bidders agree to match the L1 rate of items then work order will be given as per following ratio (in terms of monetary value).**
 - i) **In case of only L2 agrees to match L1 items rates, work order will be given in monetary weightage ratio of 60:40.**
 - ii) **In case L2, L3 agrees to match L1 items rates, work order will be given in monetary weightage ratio of 50:30:20.**
 - iii) **In case L2, L3, L4 agrees to match L1 items rates work order will be given in monetary weightage ratio of ratio of 40:30:20:10.**

TECHNICAL BID

4. TECHNICAL BID

4.1. BID LETTER

To,
The Managing Director,
BSEDC Limited,
BELTRON Bhawan, Shastri Nagar,
Patna- 800023

Reference:- Tender Number:-BSEDC// dated:-

Sir,

We hereby declare:

- i. We are the OEM/ authorised agents of the manufacturers of the Quoted Items in our solution.
- ii. That we are equipped with adequate maintenance and service facilities within India for supporting the offered items. Our maintenance and service facilities are open for inspection by representatives of Government of Bihar.

We hereby offer to supply the Items and provide the services at the prices and rates mentioned in the attached commercial bid.

In the event of acceptance of our bid, we do hereby undertake:

- i. To supply the equipment and commence services as stipulated in the schedule of delivery forming a part of the attached technical bid.
- ii. We affirm that the prices quoted are inclusive of delivery, installation, and commissioning charges and all sales/service taxes. (Octroi and any local levies will be charged on actual on submission of proof of remittance.)

We enclose herewith the complete Technical Bid as required by you. This includes:

1. Bid particulars
2. This bid letter
3. Schedule of delivery and installation
4. Warranty and Maintenance
5. Manufacturer's Authorization Form(s)

We agree to abide by our offer for a period of 365 days from the last date of submission of commercial bid prescribed by Government of Bihar and that we shall remain bound by a communication of acceptance within that time.

We have carefully read and understood the terms and conditions of the tender and the

conditions of the contract applicable to the tender. We do hereby undertake to provision as per these terms and conditions.

We hereby certify that the Bidder is a Directorate and the person signing the tender is the constituted attorney.

Bid Security in the form of a Bank Guarantee issued by _____ (bank), valid till // _____ (dd/mm/yyyy), for an amount of Rs. _____ /-(Rupees _____) is enclosed in the cover containing pre-qualifying requirements.

We do hereby undertake, that, until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and notification of award of contract, shall constitute a binding contract between us.

Signature of Bidder (with official seal)

4.2. BACKGROUND

There is requirement of various items in BSEDC in line with the demands from various Departments. The requirement will be procured as per the rate contract with empaneled vendor.

4.3. TECHNICAL SPECIFICATIONS

4.3.1. SCHEDULE-I (PRINTERS)

01. Item Code No.:- S1 LPA4SO1

Item Name:- Laser Printer A4 Size (USB Printer)

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Monthly Duty Cycle: 5000 Pages or More Print Speed:- 18ppm or more	
3	Print Quality Black-	Effective output 600x600dpi	
4	Display	Touch Panel not Required	
5	Connectivity	Hi-Speed USB 2.0 or higher	
6	Paper Handling Input, Standard	150-Sheet Input	
7	Paper Handling	50 Sheets output	
8	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	
9	Power Consumption		
10	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
11	Print Speed	18 ppm or above	
12	Toner Yield (only full Toner acceptable)	At least 1500 pages or above with supplied Toner	
13	Processor		

02. Item Code No.:- S1 LPA4SO2

Item Name:- Laser Printer A4 Size (USB Printer)

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Monthly Duty Cycle: 50000 Pages or More Print	
3	Print Quality Black-	Effective output 600x600dpi (1200dpi effective output)	
4	Display	None	
5	Connectivity	Hi-Speed USB 2.0, wi-fi (optional)	
6	Paper Handling Input, Standard	150-Sheet Input	
7	Paper Handling	100 Sheets output	
8	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	

9	Power Consumption		
10	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
11	Print Speed	28 ppm or above	
12	Duplex Printing	Yes	
13	Toner Yield (only full Toner acceptable)	At least 1000 pages with supplied Toner	
14	Processor	At least 400MHz	
15	Memory	Min. 128MB or above	

03- Item Code No.:- S1 LPA4S03**Item Name:- Laser Printer A4 Size (USB Printer & Network)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Monthly Duty Cycle: 50,000 Pages or More Print	
3	Print Quality Black-	Effective output 1200x600dpi	
4	Display	None	
5	Connectivity	Hi-Speed USB 2.0, Network, LAN, Wi-Fi (Mandatory)	
6	Paper Handling Input, Standard	50-Sheet Multipurpose tray 1, 250-sheet input tray 2, Automatic Duplexer for Two-Sided Printer	
7	Paper Handling	150 Sheets output	
8	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	
9	Power Consumption		
10	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
11	Print Speed	35 ppm or above	
12	Duplex Printing	Yes,	
13	Scan, Copy & Fax	No	
14	Toner Yield (only full Toner acceptable)	At least 2500 pages with supplied Toner	
15	Processor	At least 400MHz or Above	
16	Memory	128MB or above	

04. Item Code No.:- S1LPA4S(MFP)04**Item Name:- Laser Printer A4 Size (Multifunction Printer)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Monthly Duty Cycle: 8,000 Pages or More Print	
3	Print Quality Black-	Effective output 600x600dpi (1200dpi effective output)	
4	Display	None	
5	Connectivity	Hi-Speed USB 2.0, network	
6	Paper Handling Input, Standard	150-Sheet input tray, 35-sheet Automatic Document feeder	

7	Paper Handling	50 Sheets output or better	
8	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	
9	Power Consumption		
10	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
11	Print Speed	Upto 20 ppm or above	
12	Scan, Copy	Yes	
13	Processor	At least 266MHz or Above	
14	Memory	Min. 32MB or above	
15	Toner Yield (only full Toner acceptable)	At least 1500 pages with supplied Toner	

05. Item Code No.:- S1LPA4S(MFP)05**Item Name:- Laser Printer A4 Size (Multifunction Printer)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Monthly Duty Cycle: 35,000 Pages or More Print	
3	Print Quality Black-	Effective output 1200x600dpi	
4	Display	None	
5	Connectivity	Hi-Speed USB 2.0, Network & Wi-Fi (Mandatory)	
6	Paper Handling Input, Standard	250-Sheet input tray, 35-sheet Automatic Document feeder	
7	Paper Handling	100 Sheets output or better	
8	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	
9	Power Consumption		
10	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
11	Processor	400 MHz or above	
12	Print Speed	35 ppm or above	
13	Scan, Copy & Fax	Yes	
14	Duplex (Both side Printing Copying)	Yes (Only Duplex Printing)	
15	Memory	128MB or above	

06. Item Code No.:- S1LPA4S(MFP)06**Item Name:- Laser Printer A4 Size (Multifunction Printer)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Monthly Duty Cycle: 8,000 Pages or More Print	
3	Print Quality Black-	Effective output 1200x600dpi	
4	Display	2 Line LCD	
5	Connectivity	Hi-Speed USB 2.0, Wi-Fi (Mandatory)	
6	Paper Handling Input, Standard	150-Sheet input tray, 10-sheet Automatic Document feeder	
7	Paper Handling	50 Sheets output or better	
8	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	

9	Power Consumption		
10	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
11	Print Speed	20 ppm or above	
12	Scan, Copy	Yes	
13	Duplex	Yes, RADF/SPDF	

07. Item Code No.:- S1LPA4SNC07**Item Name:- Laser Printer A4 Size (Color Printer)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	15,000 Pages or More Print	
3	Print Quality Black-	Effective output 600x600dpi	
4	Print Quality Color	Up to 600x600dpi	
5	Display	None	
6	Connectivity	Hi-Speed USB 2.0	
7	Paper Handling Input, Standard	150-Sheet input tray	
8	Paper Handling	50 Sheets output or better	
9	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	
10	Power Consumption		
11	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
12	Print Speed	14 ppm or above	
13	Scan, Copy & Fax	No	
14	Memory	Min. 32 MB or higher	
15	Processor	400MHz	

08. Item Code No.:- S1LPA4SNP08**Item Name:- Laser Printer A4 Size (Network Printer)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Up to 65,000 Pages or More Print	
3	Print Quality Black-	Effective output 600x600dpi	
5	Display	2 Line LCD	
6	Connectivity	Hi-Speed USB 2.0, 10/100 Base-T Ethernet Network Port, Wi-Fi (Mandatory)	
7	Paper Handling Input, Standard	100-Sheet Multipurpose tray, 250-Sheet input tray	
8	Paper Handling	200 Sheets output or better	
9	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	

10	Power Consumption		
11	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
12	Print Speed	40 ppm or above	
13	Scan, Copy & Fax	No	
14	Memory	128 MB	
15	Processor	400MHz or More	
16	Duplex	Yes, RADF/SPDF	

09. Item Code No.:- S1LPA4SNC09**Item Name:- Laser Printer A4 Size (Network and Color Printer)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Up to 50,000 Pages or More Print	
3	Print Quality Black-	Up to 600x600dpi	
	Print Quality Color-	Up to 600x600dpi	
5	Display	-	
6	Connectivity	Hi-Speed USB 2.0, 10/100 Base-T Ethernet Network Port, Wi-Fi (Mandatory)	
7	Paper Handling Input, Standard	250-Sheet input tray	
8	Paper Handling	250 Sheets output or better	
9	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	
10	Power Consumption		
11	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
12	Print Speed	20 ppm or above	
13	Scan, Copy	yes	
14	Memory	180 MB	
15	Processor	350MHz or More	

10. Item Code No.:- S1LPA3SNC10**Item Name:- Laser Printer A3 Size (Network and Color Printer)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Laser	
2	Duty cycle (Monthly)-	Up to 1,15,000 Pages or More Print	
3	Print Quality Black-	Up to 600x600dpi	
	Print Quality Color-	Up to 600x600dpi	
5	Display	-	
6	Connectivity	Hi-Speed USB 2.0, 10/100 Base-T Ethernet Network Port, Wi-Fi (Mandatory)	

7	Paper Handling Input, Standard	100-Sheet Multipurpose tray, 250-Sheet input tray	
8	Paper Handling	250 Sheets output or better	
9	Paper Size	A4; A5; A6; B5; Postcards; envelopes (C5, DL, B5)	
10	Power Consumption		
11	Energy Efficiency	Energy Star qualified/ CECP Qualified/BIS Certificate	
12	Print Speed	30 ppm or above	
13	Scan, Copy & Fax	No	
14	Memory	Min. 1GB MB or more	
15	Processor	256MHz or More	

4.3.2. SCHEDULE-II (PHOTOCOPIERS & SCANNERS)Detailed Specifications of the **Schedule –II****01. Item Code No.:- S2 DPMFD01****Item Name:- Digital Photocopier & MFDs with separate Toner & Drum**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Paper Size	A3, A4	
2	Paper Capacity	1 Trays of 500 sheets capacity or 2 Trays of each capacity 250 sheets (as Specified) for Blank paper and 50 sheet bypass tray.	
3	Memory	Print: 1GB, Copy/Print (shared): 1GB Speed- 20PPM or more	
4	Power requirements	AC voltage± 10%, 50/60Hz	
5	Power consumption (max.)	Energy Star qualified/ CECP Qualified/BIS Certificate	
6	Photo copy resolution	Scan (Colour): 600x600 dpi Scan (B/W): 600x600 dpi, Print: 1200x1200 dpi	
7	Zoom ranging Photocopy	25 to 400% in 1% increments	
8	Print Colour	Black, Colour	
9	Interface	2x USB 2.0, 1 Gigabit Ethernet (10/100/1000)	
10	Scan Feature	Scan and sent to Mail, Network PC and Mobile devices Scan Format: JPEG, TIFF, PDF	
11	Scan Resolution	600x600 dpi	
12	Other Features	Duplex Print, Optional- Wi-fi	
13	Supported OS	Windows	
14	PCL5C, PCL6, Adobe post script 3 Adobe post script & PCL5C	Optional	

02. Item Code No.:- S2DPMFD02**Item Name:- Digital Photocopier & MFDs with separate Toner & Drum**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Paper Size	A3, A4	
2	Paper Capacity	1 Trays of 500 sheets capacity or 2 Trays of each capacity 250 sheets (as Specified) for Blank paper and 50 sheet bypass tray.	
3	Memory	Print: 1GB, HDD: 160GB Print Speed- 25PPM or more	
4	Power requirements	AC voltage \pm 10%, 50/60Hz	
5	Power consumption (max.)	Energy Star qualified/ CECP Qualified/BIS Certificate	
6	Photo copy resolution	Scan Resolution: 600x600 dpi Print: 600x600dpi	
7	Zoom ranging Photocopy	25 to 400% in 1% increments	
8	Print Colour	Black	
9	Features	Network Print, Network Scan, Photocopy, USB Print, USB Scan Optional, Touch Display, Duplex Print, Wifi Optional, RADF	
10	Interface	2x USB 2.0 ,1 Gigabit Ethernet (10/100/1000)	
11	Scan Resolution	600x600 dpi	
12	Supported OS	Windows	
14	PCL5C, PCL6, Adobe post script 3 Adobe post script &PCL5C	Optional	

03. Item Code No.:- S2 DPMFD03**Item Name:- Digital Photocopier & MFDs with separate Toner & Drum**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Paper Size	A3, A4	
2	Paper Capacity	250 sheets tray and 50 sheets Multi bypass tray.	
3	Memory	RAM: Standard 128MB & Above Speed- 20 PPM or more	
4	Power requirements	AC voltage \pm 10%, 50/60Hz	
5	Power consumption (max.)	Energy Star qualified/ CECP Qualified/BIS Certificate	
6	Photo copy resolution	Scan: 300x300dpi	
7	Zoom ranging Photocopy	50 to 200% in 1% increments	
8	Print Colour	Black	
9	Features	Duplex Print , Network Print, Network Scan, Photocopy, Optional -USB Print & USB Scan, wifi (optional) ,	
10	Interface	USB 2.0 Ethernet	
11	Scan Resolution	300x300dpi	
12	Supported OS	Windows	

04. Item Code No.:- S2 DPMFD04**Item Name:- Digital Photocopier & MFDs with separate Toner & Drum**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Paper Size	A3, A4	
2	Paper Capacity	2 Trays 250+500 sheets tray and 100 sheets Multi bypass tray.	
3	Memory	RAM:-1GB or 2 GB Speed- 30 PPM or more	
4	Power requirements	AC voltage \pm 10%, 50/60Hz	
5	Power consumption (max.)	Energy Star qualified/ CECP Qualified/BIS Certificate	
6	Photo copy resolution	Scan: 600x600 dpi, Print: 1200x1200dpi	
7	Zoom ranging Photocopy	50 to 200% in 1% increments	
8	Print Colour	Black	
9	Features	Duplex Print, Network Print, Network Scan, Photocopy, USB Print, 5.5" Mono Touch Screen Display, USB Scan optional, ADF for duplex scanning must	
10	Interface	USB 2.0 Ethernet	
11	Scan Resolution	600x600 dpi	
12	Supported OS	Windows	
13	PCL5C, PCL6, Adobe post script 3 Adobe post script& PCL5C	Optional	

05. Item Code No.:- S2 DPMFD05**Item Name:- Digital Photocopier & MFDs with separate Toner & Drum**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Paper Size	A3, A4	
2	Paper Capacity	500 sheets tray and 100 sheets Multi bypass tray.	
3	Memory	RAM- Standard 256MB, Speed- 35 PPM or more	
4	Power requirements	AC voltage \pm 10%, 50/60Hz	
5	Power consumption (max.)	Energy Star qualified/ CECP Qualified/BIS Certificate	
6	Photo copy resolution	Scan: 600x600 dpi, Print: 1200x1200dpi	
7	Zoom ranging Photocopy	50 to 200% in 1% increments	
8	Print Colour	Black	
9	Features	Colour Scan, Network Print, Network colour Scan, Duplex Print, USB Print thru Pen Drive, ADF for duplex scanning must	
10	Interface	USB 2.0 Ethernet	
11	Scan Resolution	600x600 dpi	
12	Supported OS	Windows	
13	PCL5C, PCL6, Adobe post script 3 Adobe post script & PCL5C	Optional	

06. Item Code No.:- S2 DPMFD06**Item Name:- Digital Photocopier & MFDs with separate Toner & Drum**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Paper Size	A3, A4	
2	Paper Capacity sheet bypass Tray.	2 Tray of 500 sheets capacity for Blank Paper and 100	
3	Memory	RAM: 2GB, HDD: 160 GB or more Print Speed- 25 PPM or more	
4	Power requirements	AC voltage \pm 10%, 50/60Hz	
5	Power consumption (max.)	Energy Star qualified/ CECP Qualified/BIS Certificate	
6	Photo copy resolution	Scan: 600x600 dpi, Print: 600x600 dpi	
7	Zoom ranging Photocopy	25 to 200% in 1% increments	
8	Print Colour	Black ,Colour	
9	Features	Colour Scan, Network Print, Network colour Scan, Duplex Print, USB Print thru Pen Drive, ADF for duplex scanning must.	
10	Interface	USB 2.0 Ethernet	
11	Scan Resolution	600x600 dpi	
12	Supported OS	Windows, Optional- Mac OS	
14	PCL5C, PCL6, Adobe post script 3 Adobe post script & PCL5C	PCL5C, PCL6, Adobe post script 3 Adobe post script & PL5C (Mandatory)	

07. Item Code No.:- S2 SCAN01F**Item Name:- Scanner(Flatbed)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Scan Type	Flatbed	
2	Scanning Resolution	4800 x 9600 dpi or better	
3	Scan Speed	10 x15cm Colour photo file scan 12sec. or Better	
4	Connectivity	Hi-Speed USB 2.0 Port or higher	
5	Operating System Support (Optional) X 10.6.8,	Windows	

08. Item Code No.:- S1SCAN02A**Item Name:- Scanner(ADF)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Document Size	A4, Legal	
2	Scanning Resolution	300 dpi or better	
3	Auto Document feeder	Yes, Automatic duplex Scan	
4	Scan Speed	20PPM	
5	Connectivity	Hi-Speed USB 2.0 Port or higher	
6	Capacity	50	
7	Operating System Support (Optional) X 10.6.8,	Windows	

09. Item Code No.:- S2 SCAN03F
Item Name:- Scanner(Sheet-Feed)

Sl. No.		Main Specification	Compliance (Yes/No)
1	Scan Type, Duty Cycle	Sheet-feed, 3000 pages or above	
2	Scanning Resolution	600x600 dpi or better	
3	Scan Size	8.5 x 14 inch	
4	Scan Speed	24 PPM in simplex with Auto double feed detection	
5	Connectivity	Hi-Speed USB 2.0 Port	
6	Operating System Support (Optional) X 10.6.8,	Windows	

10. Item Code No.:- S2 SCAN04F
Item Name:- Scanner (Flatbed & ADF)

Sl. No.		Main Specification	Compliance (Yes/No)
1	Scan Type	Flatbed & ADF, Auto Duplex	
2	Scanning Resolution	1200x 1200 dpi or better	
3	Auto Document Feeder	Yes	
4	Scan Speed	20 PPM	
5	ADF Capacity	Min. 40 Pages	
6	Connectivity	Hi-Speed USB 2.0 Port or higher	
7	Operating System Support	Windows	

11. Item Code No.:- S2SCAN04FA
Item Name:- Scanner (Flatbed & ADF)

Sl. No.		Main Specification	Compliance (Yes/No)
1	Scan Type	Flatbed & ADF	
2	Scanning Resolution	600x 600 dpi or better	
3	Auto Document Feeder	yes	
4	Scan Speed	Min 20 PPM in simplex through ADF, Automatic Duplex Scan	
5	ADF Capacity	40 Pages or higher	
6	Connectivity	Hi-Speed USB 2.0 Port	
7	Operating System Support	Windows	

12. Item Code No.:- S2 SCAN04D1
Item Name:- Document Scanner

Sl. No.		Main Specification	Compliance (Yes/No)
1	Scan Type	Sheet-feed & (Flat Bed / Folio mode)	
2	Scanning Resolution	600x600 dpi or better	
3	Scan Size	A3	
4	Scan Speed	Min 90 (@200dpi B/W)	
5	ADF Capacity	Min. ADF capacity 300 sheets or above	
5	Connectivity	Hi-Speed USB 2.0 Port	
6	Operating System Support	Windows	

13. Item Code No.:- S2 SCAN04D2**Item Name:- Document Scanner**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Scan Type	Sheet-feed, Duplex	
2	Scanning Resolution	600x600 dpi or better	
3	Scan Size	A3	
4	Scan Speed	50 (@200dpi B/W) or above	
5	ADF Capacity	Min. ADF capacity 50 sheets	
6	Connectivity	Hi-Speed USB 2.0 Port	
7	Operating System Support	Windows	

14. Item Code No.:- S2 SCAN04D3**Item Name:- Document Scanner**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Scan Type	Sheet-feed, Duplex	
2	Scanning Resolution	600x600 dpi or better	
3	Scan Size	A4	
4	Scan Speed	40 (@200dpi B/W)	
5	ADF Capacity	Min. ADF capacity 50 sheets	
6	Connectivity	Hi-Speed USB 2.0 Port	
7	Operating System Support	Windows	

4.3.3. SCHEDULE-III (PROFESSIONAL DISPLAY SYSTEM,)

1. **Item Code No.:- S3 TV01**
Item Name: - 43 Inch

Professional Display Panel			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make/Model:	
2	Screen Size	43 Inch or Higher LED Back Lit Panel	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	500cd/m2	
6	Contrast Ratio	1100 : 1 or more	
7	Dynamic CR	400,000 : 1 or higher	
8	Orientation	Portrait & Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	24 Hrs support	
11	Connectivity		
12	Input Ports		
13	Digital	HDMI(2), DVI-D(1), Display Port(1)	
14	External Control	RS232C(1), RJ45(1), IR(1, Internal)	
15	USB	USB -1	
16	Output Ports		
17	Digital	Display Port -1	
18	External Control	Main : RS232C(1),	
19	AUDIO		
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Built In Media Player, Picture in Picture & Picture by Picture feature, SNMP Support,	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ER)	UL, FCC,BIS	
24	Warranty	3 years	
25	Wall mount	Required	

2. Item Code No.:- S3 TV02
Item Name: - 49 Inch

Professional Display Panel			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make/Model:	
2	Screen Size	49 Inch or Higher LED Back Lit Panel	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	500cd/m2	
6	Contrast Ratio	1100 : 1 or more	
7	Dynamic CR	400,000 : 1 or higher	
8	Orientation	Portrait & Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	24 Hrs support	
11	Connectivity		
12	Input Ports		
13	Digital	HDMI(2), DVI-D(1), Display Port(1)	
14	External Control	RS232C(1), RJ45(1), IR(1, Internal)	
15	USB	USB -1	
16	Output Ports		
17	Digital	Display Port -1	
18	External Control	Main : RS232C(1),	
19	AUDIO		
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Media Player, Picture in Picture & Picture by Picture feature, SNMP Support,	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ER)	UL, FCC,BIS	
24	Warranty	3 years	
25	Wall mount	Required	

3. Item Code No.:- S3 TV03
Item Name: - 55 Inch

Professional Display Panel			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make/Model:	
2	Screen Size	55 Inch or Higher LED Back Lit Panel	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	500cd/m2	
6	Contrast Ratio	1100 : 1 or more	
7	Dynamic CR	400,000 : 1 or higher	
8	Orientation	Portrait & Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	24 Hrs support	
11	Connectivity		
12	Input Ports		
13	Digital	HDMI(2), DVI-D(1), Display Port(1)	
14	External Control	RS232C(1), RJ45(1), IR(1, Internal)	
15	USB	USB -1	
16	Output Ports		
17	Digital	Display Port -1	
18	External Control	Main : RS232C(1),	
19	AUDIO		
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Media Player, Picture in Picture & Picture by Picture feature, SNMP Support,	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ER)	UL, FCC,BIS	
24	Warranty	3 years	
25	Wall mount	Required	

4. Item Code No.:- S3 TV04
Item Name: - 65 Inch

Professional Display Panel			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make/Model:	
2	Screen Size	65 Inch or Higher LED Back Lit Panel	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	500cd/m2	
6	Contrast Ratio	1100 : 1 or more	
7	Dynamic CR	400,000 : 1 or higher	
8	Orientation	Portrait & Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	24 Hrs support	
11	Connectivity		
12	Input Ports		
13	Digital	HDMI(2), DVI-D(1), Display Port(1)	
14	External Control	RS232C(1), RJ45(1), IR(1, Internal)	
15	USB	USB -1	
16	Output Ports		
17	Digital	Display Port -1	
18	External Control	Main : RS232C(1),	
19	AUDIO		
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Media Player, Picture in Picture & Picture by Picture feature, SNMP Support,	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ER)	UL, FCC,BIS	
24	Warranty	3 years	
25	Wall mount	Required	

5. **Item Code No.:- S3 TV05**
Item Name: - 75 Inch

Professional Display Panel			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make/Model:	
2	Screen Size	75 Inch or Higher LED Back Lit Panel	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	500cd/m2	
6	Contrast Ratio	1100 : 1 or more	
7	Dynamic CR	400,000 : 1 or higher	
8	Orientation	Portrait & Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	24 Hrs support	
11	Connectivity		
12	Input Ports		
13	Digital	HDMI(2), DVI-D(1), Display Port(1)	
14	External Control	RS232C(1), RJ45(1), IR(1, Internal)	
15	USB	USB -1	
16	Output Ports		
17	Digital	Display Port -1	
18	External Control	Main : RS232C(1),	
19	AUDIO		
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Media Player, Picture in Picture & Picture by Picture feature, SNMP Support,	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ER)	UL, FCC,BIS	
24	Warranty	3 years	
25	Wall mount	Required	

6. Item Code No.:- S3 TV06
Item Name: - 86 Inch

Professional Display Panel			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make/Model:	
2	Screen Size	86 Inch or Higher LED Back Lit Panel	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	500cd/m2	
6	Contrast Ratio	1100 : 1 or more	
7	Dynamic CR	400,000 : 1 or higher	
8	Orientation	Portrait & Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	24 Hrs support	
11	Connectivity		
12	Input Ports		
13	Digital	HDMI(2), DVI-D(1), Display Port(1)	
14	External Control	RS232C(1), RJ45(1), IR(1, Internal)	
15	USB	USB -1	
16	Output Ports		
17	Digital	Display Port -1	
18	External Control	Main : RS232C(1),	
19	AUDIO		
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Media Player, Picture in Picture & Picture by Picture feature, SNMP Support,	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ER)	UL, FCC,BIS	
24	Warranty	3 years	
25	Wall mount	Required	

7. **Item Code No.:- S3 TV07**
Item Name:- 55 Inch

Commercial Display/TV			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make : Model:	
2	Screen Size	55 Inch or Higher LED Back Lit.	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	300 cd/m2	
6	Contrast Ratio	1,100 : 1 or more	
7	Dynamic CR	500,000 : 1 or higher	
8	Orientation	Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	16 Hrs	
11	Connectivity		
12	Input Ports		
3	Digital	HDMI(3),	
14	External Control	RS232C(1), RJ45(1)	
15	USB	USB x 1	
16	Output Ports		
17	Digital	Optical /Digital out -1	
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Built in Signage Media Player	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ E RP)	BIS,CE,FCC	
24	Warranty	3 years	
25	Wall mount	Required	

8. **Item Code No.:- S3 TV08**
Item Name:- 65 Inch

Commercial Display/TV			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make : Model:	
2	Screen Size	65 Inch or Higher LED Back Lit.	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	300 cd/m2	
6	Contrast Ratio	1,100 : 1 or more	
7	Dynamic CR	500,000 : 1 or higher	
8	Orientation	Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	16 Hrs	
11	Connectivity		
12	Input Ports		
3	Digital	HDMI(3),	
14	External Control	RS232C(1), RJ45(1)	
15	USB	USB x 1	
16	Output Ports		
17	Digital	Optical /Digital out -1	
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Built in Signage Media Player	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ E RP)	BIS,CE,FCC	
24	Warranty	3 years	
25	Wall mount	Required	

9. **Item Code No.:- S3 TV09**
Item Name:- 75 Inch

Commercial Display/TV			
Sl. no	Features	Specifications	Compliance (Y/N)
1		Make : Model:	
2	Screen Size	75 Inch or Higher LED Back Lit.	
3	Panel Technology	IPS/VA	
4	Native Resolution	3840 x 2160 (UHD)	
5	Brightness	300 cd/m2	
6	Contrast Ratio	1,100 : 1 or more	
7	Dynamic CR	500,000 : 1 or higher	
8	Orientation	Landscape	
9	Viewing Angle(H x V)	178 x 178	
10	Operation Hours	16 Hrs	
11	Connectivity		
12	Input Ports		
3	Digital	HDMI(3),	
14	External Control	RS232C(1), RJ45(1)	
15	USB	USB x 1	
16	Output Ports		
17	Digital	Optical /Digital out -1	
20	Audio Power	20W(10W x 2)	
21	Additional feature	Inbuilt : Wi-Fi, Screen Sharing feature, Web Link, Built in Signage Media Player	
22	Power Supply	100 – 240 V, 50/60 Hz	
23	Certifications(Safety/EMC/ E RP)	BIS,CE,FCC	
24	Warranty	3 years	
25	Wall mount	Required	

10. Item Code No.:- S3 TV10
Item Name:- 55" 4K Display

Consumer Display			
Sl.no	Features	Specifications	Compliance (Y/N)
01		Make : Model:	
02	Screen Size	55" or Higher LED Back Lit Panel	
03	Panel Technology	IPS	
04	Native Resolution	3840x 2160 (Ultra HD/4K Active HDR)	
05	Brightness	500cd/m2	
06	Display Type	Flat	
07	Aspect Ratio	16:09	
08	Contrast Ratio	1,300 : 1 or more	
09	Dynamic CR	500,000 : 1 or higher	
010	Orientation	Portrait	
11	Viewing Angle(H x V)	Wide viewing Angle (178 x 178)	
12	Operation Hours	24 Hrs	
13	Connectivity		
14	Input Ports		
15	Digital	HDMI(2),Stereo Mini Jack,	
16	External Control	USB-1, RJ45(1), RF- 1, Composite IN- 1	
17	USB	USB 3.0 x 1, USB 2.0 x 1	
18	Output Ports		
19	Digital	Display Port -1	
20	External Control	Main : RS232C(1),	
21	AUDIO		
22	Audio Power	20W(10W x 2)	
23	Additional feature	Screen Share, Built In Wi-Fi, Direct Wi-Fi, Magic Remote - yes, Web Browser, Netflix, Amazon Price Video, Amazon Alexa, Apple Air Play, Google Assistant, Wireless Sound Sync, Bluetooth Audio Playback.	
24	Power Supply	100 – 240 V, 50/60 Hz	
25	Certifications(EMC)	NA	
26	Warranty	1 years	
27	Wall mount	Installation with Wall mount & Table Mount	
28	Operation Humidity	10% to 80%	
29	Consumption	160w (Typ) Or Lower	
30	Grade	Commercial	
31	Energy Star	NA	

11. Item Code No.:- S3 TV11**Item Name: - 55 Inch**

Digital Board(IDB)			
Sr.No	Features	Specifications Required	Compliance (Yes/No)
1	Screen Size	55 Inch or Higher	
2	Native Resolution	3840 x 2160 (UHD)	
3	Brightness	Minimum 350cd/m2	
4	Contrast Ratio	1,100:1 or Higher	
5	Viewing Angle(H x V)	178 x 178	
7	Min Input ports	HDMI-3,USB(3.0)-3,USB-(2,0)-2,OPS Slot-1,RGB-1, LAN-1,SPDIF-1 or Higher	
8	Min Output Ports	HDMI -1,Audio-1(Audio out to connect additional Speakers if required)	
9	External Control	Rs-232	
10	Built in Touch type	IR spread/ Incell/Inglass	
11	Touch Accuracy	±1.5mm or less	
12	Air Gap Between LCD Module & Glass	Minimum 1 mm or less	
3	Protection Glass Thickness	4T (Anti-Glare)	
14	Operating System Support	Windows 7/8/10/Windows XP/Linux/Mac/Android (Windows XP/Linux/Mac Support one point touch)	
15	Multi touch point	Min 20 Points or Higher	
16	Google CTS	Compatible/Approved to smooth interface	
18	Interactive Features	White Board ,Writing, Pen, Palm Eraser ,Save, Screen Capture, Storage, Tool Bar, Screen Lock, USB Block feature, Dual Pen support ,Bluetooth connectivity	
18	Built in Standard OS	Android 8.0 or Windows 10	
19	Panel System on Chip or Integrated OPS	Internal Memory (16GB),(Hisi 811, Dual core A73+Dual core A53), DDR(2GB), Wi-Fi,	
20	Media share	Screen Share/Mira cast to Connect TAB/Mobile, Web Browser	
21	HEVC Decoder	For zoomed in various documents, images,& Videos can be displayed without any distortion	
23	Power Supply	100-240V~, 50/60Hz	
24	Built in Audio Power	24W(12W x 2) or higher	
25	Product Quality Certifications	BIS,UL,FCC	
21	Accessory	Remote Controller(include battery 2ea), Power Cord, QSG, Regulation Book, Touch Pen(2)	
22	Warranty	3 years	
26	Installation type	Wall mount	

12. Item Code No.:- S3 TV12**Item Name: - 65 Inch**

Digital Board(IDB)			
Sr.No	Features	Specifications Required	Compliance (Yes/No)
1	Screen Size	65 Inch or Higher	
2	Native Resolution	3840 x 2160 (UHD)	
3	Brightness	Minimum 350cd/m2	
4	Contrast Ratio	1,100:1 or Higher	
5	Viewing Angle(H x V)	178 x 178	
7	Min Input ports	HDMI-3,USB(3.0)-3,USB-(2,0)-2,OPS Slot-1,RGB-1, LAN-1,SPDIF-1 or Higher	
8	Min Output Ports	HDMI -1,Audio-1(Audio out to connect additional Speakers if required)	
9	External Control	Rs-232	
10	Built in Touch type	IR spread/ Incell/Inglass	
11	Touch Accuracy	±1.5mm or less	
12	Air Gap Between LCD Module & Glass	Minimum 1 mm or less	
3	Protection Glass Thickness	4T (Anti-Glare)	
14	Operating System Support	Windows 7/8/10/Windows XP/Linux/Mac/Android (Windows XP/Linux/Mac Support one point touch)	
15	Multi touch point	Min 20 Points or Higher	
16	Google CTS	Compatible/Approved to smooth interface	
18	Interactive Features	White Board ,Writing, Pen, Palm Eraser ,Save, Screen Capture, Storage, Tool Bar, Screen Lock, USB Block feature, Dual Pen support ,Bluetooth connectivity	
18	Built in Standard OS	Android 8.0 or Windows 10	
19	Panel System on Chip or Integrated OPS	Internal Memory (16GB),(Hisi 811, Dual core A73+Dual core A53), DDR(2GB), Wi-Fi,	
20	Media share	Screen Share/Mira cast to Connect TAB/Mobile, Web Browser	
21	HEVC Decoder	For zoomed in various documents, images,& Videos can be displayed without any distortion	
23	Power Supply	100-240V~, 50/60Hz	
24	Built in Audio Power	24W(12W x 2) or higher	
25	Product Quality Certifications	BIS,UL,FCC	
21	Accessory	Remote Controller(include battery 2ea), Power Cord, QSG, Regulation Book, Touch Pen(2)	
22	Warranty	3 years	
26	Installation type	Wall mount	

13. Item Code No.:- S3 TV13**Item Name: - 75 Inch**

Digital Board(IDB)			
Sr.No	Features	Specifications Required	Compliance (Yes/No)
1	Screen Size	75 Inch or Higher	
2	Native Resolution	3840 x 2160 (UHD)	
3	Brightness	Minimum 350cd/m2	
4	Contrast Ratio	1,100:1 or Higher	
5	Viewing Angle(H x V)	178 x 178	
7	Min Input ports	HDMI-3,USB(3.0)-3,USB-(2,0)-2,OPS Slot-1,RGB-1, LAN-1,SPDIF-1 or Higher	
8	Min Output Ports	HDMI -1,Audio-1(Audio out to connect additional Speakers if required)	
9	External Control	Rs-232	
10	Built in Touch type	IR spread/ Incell/Inglass	
11	Touch Accuracy	±1.5mm or less	
12	Air Gap Between LCD Module & Glass	Minimum 1 mm or less	
3	Protection Glass Thickness	4T (Anti-Glare)	
14	Operating System Support	Windows 7/8/10/Windows XP/Linux/Mac/Android (Windows XP/Linux/Mac Support one point touch)	
15	Multi touch point	Min 20 Points or Higher	
16	Google CTS	Compatible/Approved to smooth interface	
18	Interactive Features	White Board ,Writing, Pen, Palm Eraser ,Save, Screen Capture, Storage, Tool Bar, Screen Lock, USB Block feature, Dual Pen support ,Bluetooth connectivity	
18	Built in Standard OS	Android 8.0 or Windows 10	
19	Panel System on Chip or Integrated OPS	Internal Memory (16GB),(Hisi 811, Dual core A73+Dual core A53), DDR(2GB), Wi-Fi,	
20	Media share	Screen Share/Mira cast to Connect TAB/Mobile, Web Browser	
21	HEVC Decoder	For zoomed in various documents, images,& Videos can be displayed without any distortion	
23	Power Supply	100-240V~, 50/60Hz	
24			
24	Built in Audio Power	24W(12W x 2) or higher	
25	Product Quality Certifications	BIS,UL,FCC	
21	Accessory	Remote Controller(include battery 2ea), Power Cord, QSG, Regulation Book, Touch Pen(2)	
22	Warranty	3 years	
26	Installation type	Wall mount	

14. Item Code No.:- S3 TV14
Item Name: - 55 Inch

Indoor Data Wall (2 mm or less Bezel To Bezel Gap)			
Sr.No	Features	Specifications Required	Compliance (Yes/No)
1	Screen Size	55"	
2	Panel Technology	IPS	
3	Aspect Ratio	16 : 9	
4	Native Resolution	1920 x 1080 (FHD)	
5	Brightness	500cd/m2	
6	Dynamic CR	500,000 : 1	
7	Viewing Angle(H x V)	178 x 178	
8	Response Time	8ms(G to G)	
9	Surface Treatment	Hard coating(3H), Anti-reflection treatment of the front polarizer	
10	Life time	Min 60,000 Hr	
11	Orientation	Portrait & Landscape	
12	Bazel	Less then 2 mm Bezel to Bezel Gap.(Even Bezel)	
13	Connectivity		
14	Input	HDMI(2), DP, DVI-D, OPS, Audio, USB	
15	Output	DP, Audio	
16	External Control	RS232C(In/Out), RJ45(LAN) In/Out, IR Reveiver	
17	Key Feature	Temperature Sensor,Tile mode (15X15),Auto Source Selection,Energy Saving, Calibration Mode,Failover ,Wake on LAN, Built/Integrated system(2 GB RAM, 8 GB Memoty & Standard operating System)	
18	Environment Conditions		
19	Operation Temperature	0°C ~ 40°C	
20	Operation Humidity	10% ~ 80%	
21	POWER		
22	Power Supply	100-240V~, 50/60Hz	
23	Power Type	Built-in Power	
24	Power Consumption(Typ)	200W or Better	
25	STANDARD(CERTIFICATION)		

26	Safety	UL / cUL	
27	EMC	FCC Class "A" / CE	
28	ErP / Energy Star	Yes / Yes (Energy Star 7.0)	
29	Warranty	3 Years	

**15. Item Code No.:- S3 TV15
Item Name: - 55 Inch**

Indoor Data Wall (1 mm or less Bezel To Bezel Gap)			
Sr.No	Features	Specifications Required	Compliance (Yes/No)
1	Screen Size	55"	
2	Panel Technology	IPS	
3	Aspect Ratio	16 : 9	
4	Native Resolution	1920 x 1080 (FHD)	
5	Brightness	500cd/m2	
6	Dynamic CR	500,000 : 1	
7	Viewing Angle(H x V)	178 x 178	
8	Response Time	8ms(G to G)	
9	Surface Treatment	Hard coating(3H), Anti-reflection treatment of the front polarizer, Haze 28%	
10	Operation Hour	24 Hr	
11	Life time	Min 60,000 Hr	
12	Orientation	Portrait & Landscape	
13	Bazel	Less Than 1 mm Bezel to Bezel Gap.(Even Bezel)	
14	Connectivity		
15	Input	HDMI(2), DP, DVI-D, OPS, Audio, USB	
16	Output	DP, Audio	
17	External Control	RS232C(In/Out), RJ45(LAN) In/Out, IR Reveiver	
18	Key Feature	Temperature Sensor, Tile mode (15X15), Auto Source Selection, Energy Saving, Calibration Mode, Failover , Wake on LAN, Built/Integrated system(2 GB RAM, 8 GB Memoty & Standard operating System)	
19	Environment Conditions		
20	Operation Temperature	0°C ~ 40°C	
21	Operation Humidity	10% ~ 80%	

22	POWER		
23	Power Supply	100-240V~, 50/60Hz	
24	Power Type	Built-in Power	
25	Power Consumption(Typ)	225W or Better	
26	STANDARD(CERTIFICATION)		
27	Safety	UL / cUL	
28	EMC	FCC Class "A" / CE	
29	ErP / Energy Star	Yes / Yes (Energy Star 7.0)	
30	Warranty	3 Years	

16. Item Code No.:- S3 TV16
Item Name: - 10.5MM or Less

Outdoor Data Wall			
Sr. no.	Features	Specifications Required	Compliance (Yes/No)
1	Pixel pitch	10.5MM or less	
2	Pixel Configuration	SMD 3 in 1 LED Package	
3	LED Chipset	NationStar or Cree or Nichia or Osram	
4	Unit Case material	Magnesium or Aluminum (to prevent from rust)	
5	Brightness Minimum After Calibraton	5000 nit or more	
6	Brightness Uniformity	97% or more	
7	Contrast Ratio	10000 or more	
8	Viewing Angle - Horizontal	160° or more	
9	Viewing Angle - Vertical	135° or more	
10	Colour Temperature	3,500 ~ 9,000	
11	Bit Depth	Minimum 14bit or more	
12	Power Consumption - Max	700 (W/m2) or less	
13	Refresh Rate	3,840 Hz or more	
14	Working Temperature	0°C or less	
15		+50°C or more	
16	Working Humidity	10%RH	
17		99%RH	
18	IP Rating Front	IP65	
19	IP Rating Back	IP65	
20	LED Lifetime	100,000 hours	
21	Certifications	EMC,ETL/UL,BIS,FCC	
22	Inputs Ports	HDMI HDCP 2.2 x1, DPx1	
23	LED Controller of Same Make as LED Screen	Required	
24	Resolution Supported	3840x2160 @ 60HZ or better	
25	Output Pixel	8.2 Million or more	
26	Control Ports	RS232C Loop and LAN	
27	LAN Output	Minimum 16 or more	
28	Temperature Sensor	Required	
29	Chrome Adjustment	Required	
30	Original LED Configuration Software of LED Screen OEM	Required	
31	Brightness Adjustment	Required	
32	Scaling	Required	
33	HDR	Required	
34	Inbuilt Digital Signage Media player & Software for designing and playing content on Screen	Required	
35	Operating System	Required	
36	Installation	Wall mount /Pole	

17. Item Code No.:- S3 TV17
Item Name: - 7 MM or Less

Outdoor Data Wall			
Sr. no.	Features	Specifications Required	Compliance (Yes/No)
1	Pixel pitch	7mm Or Less	
2	Pixel Configuration	SMD 3 in 1 LED Package	
3	LED Chipset	NationStar or Cree or Nichia or Osram	
4	Unit Case material	Magnesium or Aluminum (to prevent from rust)	
5	Brightness Minimum After Calibraton	5000 nit or more	
6	Brightness Uniformity	97% or more	
7	Contrast Ratio	10000 or more	
8	Viewing Angle - Horizontal	160° or more	
9	Viewing Angle - Vertical	135° or more	
10	Colour Temperature	3,500 ~ 9,000	
11	Bit Depth	Minimum 14bit or more	
12	Power Consumption - Max	700 (W/m2) or less	
13	Refresh Rate	3,840 Hz or more	
14	Working Temperature	0°C or less	
15		+50°C or more	
16	Working Humidity	10%RH	
17		99%RH	
18	IP Rating Front	IP65	
19	IP Rating Back	IP65	
20	LED Lifetime	100,000 hours	
21	Certifications	EMC,ETL/UL,BIS,FCC	
22	Inputs Ports	HDMI HDCP 2.2 x1, DPx1	
23	LED Controller of Same Make as LED Screen	Required	
24	Resolution Supported	3840x2160 @ 60HZ or better	
25	Output Pixel	8.2 Million or more	
26	Control Ports	RS232C Loop and LAN	
27	LAN Output	Minimum 16 or more	
28	Temperature Sensor	Required	
29	Chrome Adjustment	Required	
30	Original LED Configuration Software of LED Screen OEM	Required	
31	Brightness Adjustment	Required	
32	Scaling	Required	
33	HDR	Required	

4.3.4. SCHEDULE-IV (PLOTTERS)Detailed Specifications of the **Schedule –IV****1. Item Code No.:- S4 PLOTTER01****Item Name:- Plotter**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Thermal Inkjet	
2	Printer Solution	1200x1200dpi or better, Optimized dpi from 600x600 input dpi and Optimization for Photo Paper selected	
3	Print Quality	Fast: 22.4m ² /hr (241 ft ² /hr) on coated Media Best: 2.3 m ² /hr (25 ft ² /hr) on glossy media	
4	Display	Yes	
5	Connectivity	Fast Ethernet (100 Base-T), Hi-Speed USB 2.0 certified, wi-fi (optional)	
6	Line Accuracy	+/-0.1%	
7	Paper Handling	Roll feed, Manual single sheet feed for media upto A1 Single sheet, Automatic Cutter	
8	Paper Size	A1, 210 to 610mm (8.3 to 24-in) wide sheets; 279 to 610-mm (11 to 24-in) rolls	
9	Power Consumption	Energy Star qualified/ CECP Qualified/BIS Certificate	
10	Memory	256 MB or more	
11	Print Speed	70 sec./page on A1/D, 40A1/D Prints Per Hour	

2. Item Code No.:- S4 PLOTTER02**Item Name:-Plotter**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Thermal Inkjet	
2	Printer Solution	Upto 2400x1200dpi or better, Optimized dpi from 1200x1200 input dpi and Optimization for Photo Paper selected	
3	Print Quality	Fast: 25.6m ² /hr (275 ft ² /hr) on coated Media Best: 2.3 m ² /hr (25 ft ² /hr) on glossy media	
4	Display	Yes	
5	Connectivity	Fast Ethernet (100 Base-T), Hi-Speed USB 2.0 certified, wi-fi (optional)	
6	Line Accuracy	+/-0.1%	
7	Paper Handling	Roll feed, Manual single sheet feed for media upto A1 Single sheet, Automatic Cutter	
8	Paper Size	24-in Printer:210 to 610 mm (8.3 to 24-in) wide sheets: 279 to 610 mm (11 to 24-in) rolls 36-in Printer: 210 to 914 mm (8.3 to 36-in) wide sheets: 279 to 914 mm (11 to 36-in) rolls	
9	Power Consumption	Energy Star qualified/ CECP Qualified/BIS Certificate	
10	Memory	Standard memory is 1 GB	
11	Print Speed	35 sec./page on A1/D, 70A1/D Prints Per Hour	

3. Item Code No.:- S4 PLOTTER03**Item Name:- Plotter(MFP)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Thermal Inkjet	
2	Printer Solution	Upto 2400x1200dpi or better, Optimized dpi from 1200x1200 input dpi and Optimization for Photo Paper selected	
3	Print Quality	Fast: 25.6m ² /hr (275 ft ² /hr) on coated Media Best: 2.3 m ² /hr (25 ft ² /hr) on glossy media	
4	Display	Yes	
5	Connectivity	Fast Ethernet (100 Base-T), Hi-Speed USB 2.0 certified, wi-fi (optional)	
6	Line Accuracy	+/-0.1%	
7	Paper Handling	Dual Roll feed, Automatic Cutter	
8	Paper Size	24-in Printer:210 to 610 mm (8.3 to 24-in) wide sheets: 279 to 610 mm (11 to 24-in) rolls 36-in Printer: 210 to 914 mm (8.3 to 36-in) wide sheets: 279 to 914 mm (11 to 36-in) rolls	
9	Power Consumption	Energy Star qualified/ CECP Qualified/BIS Certificate	
10	Memory	2 GB, 500GB HDD,	
11	Print Speed	35 sec./page on A1/D, 70A1/D Prints Per Hour, 1 A0/Min	

4. Item Code No.:- S4 PLOTTER04**Item Name:- Plotter (Inkjet, Type- Colour)**

Sl. No.		Main Specification	Compliance (Yes/No)
1	Print Technology-	Inkjet (Colour)	
2	Printer Resolution	Upto 2400x1200dpi or better	
3	Print Quality	Fast: 25.6m ² /hr (275 ft ² /hr) on coated Media Best: 2.3 m ² /hr (25 ft ² /hr) on glossy media	
4	Display	Yes	
5	Connectivity	10/100 Ethernet, Hi-Speed USB 2.0 certified	
6	Line Accuracy	+/-0.1%	
7	Paper Handling	Plain Paper, Coated Paper	
8	Paper Size	A0-A4 size	
9	Power Consumption	Energy Star qualified/ CECP Qualified/BIS Certificate	
10	Memory	4GB or Higher	
11	Hard Disk	500GB self encrypted HDD	
12	Print Speed	Approx 41 seconds, Approx. 1 minute 15 sec., 1 A0/min	

Note:-Optional requirement will not be considered while evaluation.

4.3.5. SCHEDULE- V (PROJECTOR)Detailed Specifications of the **Schedule –V****1. Item Code No.:- S5 PROJECTOR01****Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	3600 ANSI Lumens (Lamp mode: High)	
2	Color Light Output	3600 ANSI Lumens (amp mode: High) 3	
3	Display system	LCD System	
4	Size display area	0.63 " (19 mm) • 3 Brighter LCD Panel	
5	No. of Pixels	2359296 (1024•168 •3) Pixels	
6	Aspect Ratio	4:03	
7	Resolution	XGA (1024x768)	
8	Contrast Ratio	20,000;1	
9	Light Source	Ultra High pressure mercury lamp 225 W type	
10	Lamp Life	10000 H (Lamp mode: Low)	
11	Zoom	Manual (Approx.1.3X)	
12	Throw ratio	1.37;1to 1.80;1	
13	Screen Size	30" to 300"	
14	Keystone Correction	Vertical : Max +/- 30 degrees	
15	Input A	RGB/Y Input Connector: Mini 0-sub 15-pin (female)	
16	Input B	RGB Input connector; Mini 0-sub 15-pin (female)	
17	Input C	HDMI Input Connector: HDMI 19 pin HDCP support H :	
18	Input D	DMI Input Connector; HDMI 19 pin HDCP support S	
19	S-Video In	Video input connector; Mini Din 4pin	
20	Video In	Video Input connector: Pin jack	
21	Output	Monitor output connector: Mini D-sub 15-pin (female)	
22	RS 232	0-sub 9pin (male)	
23	LAN Connector	RJ-45,10 Base-T/100 Base-TX	
24	USB	Type A and Type B	
25	Network Presentation	When the projector is installed in a LAN, presentations can be projected from any PC on the network	
26	Operating Temperature	0 degree C to 40 degree C	
27	Storage Temperature	minus 10 degree C to 60 degree C	
28	Power consumption	200 W(Eco mode)	

2. Item Code No.:- S5 PROJECTOR02**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	4200 ANSI Lumens (Lamp mode: High)	
2	Color Light Output	4200 ANSI Lumens (Lamp mode: High)	
3	Display system	3 LCD System	
4	Size display area	0.63 " (19 mm) * 3 BrightEra LCD Panel	
5	No. of Pixels	2359296 (1024*768*3) Pixels	
6	Aspect Ratio	4:03	
7	Resolution	XGA (1024x768*3)	
8	Contrast Ratio	20,000;1	
9	light Source	Ultra High pressure mercury lamp 225 W type	
10	lamp life	10000 H (Lamp mode: Low)	
11	Zoom	Manual (Approx. 1.6X)	
12	Throw ratio	1.40;1to 2.27;1	
13	Screen Size	30" to 300"	
14	Keystone Correction	Vertical :Max +/- 30 degrees	
15	Input A	RGB/Y Input Connector: Mini D-sub S-pin (female)	
16	Input B	RGB Input connector; Mini D-sub 15-pin (female)	
17	Input C	HDMI Input Connector- HDMI19 pin HDCP support	
18	Input D	HDMI Input Connector: HDMI19 pin HDCP support	
19	5-Video In	S Video input connector; Mini Din 4pin	
20	Video In	Video Input connector: Pin jack	
21	Output	Monitor output connector :Mini D-sub S-pin (female)	
22	RS 232	0-sub 9p1n (male)	
23	LAN Connector	RJ-45, 10 Base-T/100 Base-TX	
24	USB	Type A and Type B	
25	Network Presentation	When the projector is installed in a LAN, presentations can be projected from any PC on the network	
26	Operating Temp	0 Degree C to 40 degree C	
27	Storage Temp	0 to 40 degree	
28	Power Consumption	200 W(Eco mode)	

3. Item Code No.:- S5 PROJECTOR03**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	4300 ANSI Lumens (Lamp mode: High)	
2	Color light Output	4300 ANSI Lumens (Lamp mode: High)	
3	Display system	3 LCD System	
4	Aspect Ratio	16:10	
5	Resolution	WXGA (1280x800)	
6	Contrast Ratio	20,000;1	
7	Light Source	Ultra High pressure mercury lamp 225 W type	
8	lamp Life	10000 H (lamp mode: Low)	
9	Zoom	Manual (Approx. 1.GX)	
10	Throw ratio	1.1;1to 1.79;1	
11	Screen Size	30" to 300"	
12	Keystone Correction	Vertical :Max +/- 20 degrees	
13	Speaker	GW * 1	
14	Input A	RGB/Y Input Connector: Mini D-sub 15-pin (female); Audio Input connector: Stereo Mini Jack	
15	Input B	RGB Input connector; Mini D-sub 15-pin (female); Audio Input connector: Stereo Mini Jack	
16	Input C	HDMI Input Connector: HDMI 19 pin HDCP support	
17	Input D	HDMI Input Connector: HDMI 19 pin HOCP support	
18	S-Video In	S Video input connector; Mini Din 4pin	
19	Video In	Video Input connector: Pin jack	
20	Output	Monitor output connector: Mini D-sub 15-pin (female); Audio Output connector: Stereo Mini Jack	
21	RS 232	D-sub 9pin (male)	
22	LAN Connector	RJ-45, 10 Base-T/100 Base -TX	
23	USB	Type A and Type B	
24	Microphone Input	Mini Jack	
25	Operating Temperature range	5 degree C to 40 degree C	

4. Item Code No.:- S5 PROJECTOR04**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	5000 ANSI Lumens { Standard}	
2	Light Output (Centre)	5200 ANSI Lumens (Standard)	
3	Color Light Output	5000 ANSI Lumens { Standard}	
4	Display system	3 LCD System	
5	Size of Display Area	0.63" • 3 BrightEra LCD Panel	
6	Aspect Ratio	4:03	
7	Resolution	XGA	
8	Number of Pixels	2359296 {1024*768*3} Pixels	
9	Contrast Ratio {Full White Full Black}	00:1{Infinity}	
10	Light Source	Laser Diode	
11	Laser Life	20,000 Hours	
12	Screen Size	40" to 300" (measured Diagonally)	
13	Focus	Manual	
14	Zoom	Manual (Approx. 1.6X)	
15	Throw ratio	1.41;1to 2.27;1	
16	Speaker	16W {Monaural}	
17	Keystone Correction	Vertical: +/- 30 degree ;Horizontal:+/- 30 Degree	
18	Connectivity Ports	Mini D-sub 15-pin, HDMI (2), Video In, Audio In, Audio Out	
19	Control Ports	RS232, USB Type A, RJ45	
20	Operating Temperature	0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)	
21	Storage Temperature	Minus 10°Cto 60°C (14°F to 140°F) / 20% to 80% (no condensation)	
22	Weight	6 Kg	

5. Item Code No.:- S5 PROJECTOR05**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	5000 ANSI Lumens (Standard)	
2	Color light Output	5000 ANSI Lumens (Standard)	
3	Display system	3 LCD System	
4	Size of Display Area	0.64" * 3 Bright Era LCD Panel	
5	Aspect Ratio	16:10	
6	Resolution	WXGA	
7	Number of Pixels	3072000(1280*800* 3) Pixels	
8	Contrast Ratio (Full White / Full Black)	∞:1 (Infinity)	
9	Light Source	Laser Diode	
10	Laser Life	20,000 Hours	
11	Screen Size	40" to 300" (measured Diagonally)	
12	Focus	Manual	
13	Zoom	Manual (Approx. 1.6X)	
14	Throw ratio	1.29;1to 2.07;1	
15	Speaker	16W (Monaural)	
16	Keystone Correction	Vertical: +/- 30 degree ;Horizontal:+/- 30 Degree	
17	Connectivity Ports	Mini D-sub 15-pin, HDMI(2), Video In, Audio In, Audio Out	
18	Control Ports	RS232, USB Type A, RJ45	
19	Operating Temperature	0°C to 40°(32°F to 104°F) / 20% to 80% (no condensation)	
20	Storage Temperature	Minus 10°c to 60°C (14°F to 140°F) / 20% to 80% (no condensation)	
21	Weight	6 Kg	

6. Item Code No.:- S5 PROJECTOR06**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	5000 ANSI Lumens (Lamp mode: Standard)	
2	Color Light Output	5000 ANSI Lumens (Lamp mode: Standard)	
3	Display system	3 LCD System	
4	Size of Display Area	0.76" • 3 Bright Era LCD Panel	
5	Aspect Ratio	16;10	
6	Resolution	WUXGA	
7	Number of Pixels	69,12,000 (1920*1200*3) Pixels	
8	Contrast Ratio	oo;l (Infinite)	
9	Light Source	Laser Diode	
10	Laser Life	20,000 Hours	
11	Screen Size	40" to 300" (measured Diagonally)	
12	Focus	Manual	
13	Zoom	Manual (Approx. l.45X)	
14	Throw ratio	1.28;1to 1.88;1	
15	Lens shift	Manual; Vertical:+ 20% "" +55% ;Horizontal: +/- 10%	
16	Speaker	16W	
17	Keystone Correction	Vertical:+/- 20 degree ;Horizontal:+/- 30 Degree	
18	Connectivity Ports	Mini 0-sub 15-pin, HDMI (2), HD Base T, Video In, Audio In, Audio Out	
19	Control Ports	RS232, USB Type A & B, RJ45	
20	Operating Temperature	0°C to 40°C (32°F to 104°F) / 20% to 80% (no condensation)	
21	Auto Filter Cleaning	Yes	
22	Built-in Auto Colour Calibration	Yes	

7. Item Code No.:- S5 PROJECTOR07**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	light Output	5500 ANSI Lumens (Lamp mode: Standard)	
2	Color Light Output	5500 ANSI Lumens (Lamp mode: Standard)	
3	Display system	3 LCD System (3 Bright Era LCD panel)	
4	Aspect Ratio	16;10	
5	Native Resolution	WUXGA (1920x1200*3 pixels)	
6	Contrast ratio (full white / full black)	oo;l (Infinite)	
7	Light Source	Laser Diode	
8	light Source replacement cycle	20,000 Hours maintenance free	
9	Focus	Powered	
10	Zoom	Powered (1.6X)	
11	Throw Ratio	1.39:1to 2.23:1	
12	Lens Shift	Powered (Range: Vertical -5%,+70%; Horizontal =/- 32%)	
13	Screen Size	40 inch to 600 inch (diagonal)	
14	Keystone Correction	-/+ 30 degree (Horizontal & Vertical)	
15	Automatic Filter Cleaning	Yes	
16	Built-in Auto Colour Calibration	Yes	
17	Input A	RGB/ Y PB PR input connector: Mini D Sub 15 pin; Audio-In	
18	Input B	DVI Input Connector: DVI-D 24 pin, HDCP supported	
19	Input C	HDMI Input Connector: HDMI 19 pin, HDCP supported	
20	Input D	HB BaseT interface connector: RJ45, 4 Play (Video, Audio, LAN, Control)	
21	Video IN	Video Input Connector: BNC; Audio In	
22	Output A	Monitor output connector: Mini D-sub 15-pin;Audio Out	
23	Output B	Monitor output connector: DVI-D 24 pin; Audio Out	
24	Remote	D-sub 9pin / RS232C	
25	LAN Connector	RJ-45,10 Base-T/100 Base-TX	
26	IR (Control S)	Stereo Mini jack	
27	Operating temperature	o degree C to 40 degrees C	

8. Item Code No.:- S5 PROJECTOR08**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	6500 ANSI Lumens { Lamp mode: Standard}	
2	Color Light Output	6500 ANSI Lumens { Lamp mode: Standard}	
3	Display system	3 LCD System	
4	Aspect Ratio	16;10	
5	Native Resolution	WUXGA { 1920x1200*3 pixels}	
6	Contrast ratio {full white / full black}	∞:1	
7	Light Source	Laser Diode	
8	Light Source replacement cycle	20,000 Hours maintenance free	
9	Focus	Powered	
10	Zoom	Powered (1.6X)	
11	Throw Ratio	1.39:1to 2.23:1	
12	Lens Shift	Powered {Range: Vertical -5%, +70%; Horizontal= /- 32%}	
13	Automatic Filter Cleaning	Yes	
14	Built-in Auto Colour Calibration	Yes	
15	Input A	RGB/ Y PB PR input connector: Mini D Sub 15 pin; Audio-In	
16	Input B	DVI Input Connector: DVI-D 24 pin, HDCP supported	
17	Input C	HDMI Input Connector: HDMI 19 pin, HDCP supported	
18	Input D	HB BaseT interface connector: RJ45, 4 Play { Video, Audio, LAN, Control}	
19	Video IN	Video Input Connector: BNC; Audio In	
20	Output A	Monitor output connector: Mini D-sub 15-pin; Audio Out	
21	Output B	Monitor output connector: DVI-D 24 pin; Audio Out	
22	Remote	D-sub 9pin / RS232C	
23	LAN Connector	RJ-45, 10 Base-T/100 Base-TX	
24	IR (Control S)	Stereo Mini jack	

9. Item Code No.:- S5 PROJECTOR09**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	9000 ANSI Lumens (Mode: Standard)	
2	Color Light Output	9000 ANSI Lumens (Mode: Standard)	
3	Display system	3 LCD System	
4	Size of Display Area	1" * 3 BrightEra LCD Panel	
5	Aspect Ratio	16:10	
6	Number of Pixels	69,12,000(1920*1200*3) pixels	
7	Light Source Type	laser + Phosphor	
8	Screen size	60 inches to 600 inches diagonal	
9	Filter Replacement Cycle	20,000 Hours	
10	Throw Ratio	1.3:1to 1.95:1	
11	Lens Shift	Powered (Vertical :+/- 99% ; Horizontal: =/- 51%)	
12	lens Focus	Powered	
13	Lens Zoom	Powered (1.5X)	
14	Keystone Correction	Horizontal:=-/ 30 degrees ;Vertical : =/- 30 degrees	
15	Auto Filter Cleaning	Yes	
16	Colour Calibration	Yes	
17	Bayonet Lens attachment function	Yes	
18	Lens Position memory function	Yes	
19	Input A	RGB/Y Input connector: 5BNC (Female)	
20	Input B	RGB/Y Input connector :Mini D-sub 15-pin (Female)	
21	Input C	DVI-D Input Connector: DVI-D 24 pin, HDCP supported ;HDCP: v1.4	
22	Input D	HDMI Input Connector: HDMI 19 pin, HDCP supported ;HDCP: v1.4	
23	Input E	HD BaseT Interface Connector: RJ45,3 Play	
24	Output	Monitor output connector: Mini D-sub 15-pin	
25	USB	Type A * 1	
26	Operating Temperature	0-c to 45°C (32°F to 109°F) 20% to 80% (no condensation)	
27	Storage temperature	-10°C to +60°C (14°F to +140°F) 20% to 80% (no condensation)	
28	Mass	Not more than 28 kg	

10. Item Code No.:- S5 PROJECTOR10**Item Name:- Projector**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Light Output	12000 ANSI Lumens (Mode: Standard)	
2	Color Light Output	12000 ANSI Lumens (Mode: Standard)	
3	Display system	3 LCD System	
4	Size of Display Area	1" * 3 Bright Era LCD Panel	
5	Aspect Ratio	16:10	
6	Number of Pixels	69,12,000(1920*1200*3) pixels	
7	Light Source Type	Laser + Phosphor	
8	Screen size	40 inches to 600 inches diagonal	
9	Filter Replacement Cycle	20,000 Hours	
10	Throw Ratio	1.3:1to 1.95:1	
11	Lens Shift	Powered (Vertical :+/- 99% ; Horizontal : =/- 51%)	
12	Zoom/Focus	Powered	
13	Lens Position Memory Function	Yes	
14	Keystone Correction	Horizontal: =/- 30 degrees ;Vertical : =/- 30 degrees	
15	Auto Filter Cleaning	Yes	
16	Colour Calibration	Yes	
17	Bayonet Lens attachment function	Yes	
18	Colour Space (Picture Mode)	sRGB 100%	
19	Ports/ Connectivity	SBNC, Mini D-sub 15-pin (In & Out), DVI-D, HDMI, HD BaseT, USB	
20	Operating Temperature	0°C to 45°C (32°F to 109°F) / 20% to 80% (no condensation)	
21	Storage temperature	-10°C to +60°C (14°F to +140°F) / 20% to 80% (no condensation)	
22	Mass	Not more than 28 kg	

4.3.6. SCHEDULE- VI (TABLET)**"S6 TABLET01- 8.0"**

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Generic	Technology- GSM	
		Processor core- Octa-Core	
		Processor speed (Minimum-2GHz)	
		Operating system- Android 10.0	
		Chipset- Qualcomm SDM429	
		Operating System should be auto upgradable to next revel	
2	Memory	RAM Size (Minimum 2 GB)	
		Internal Storage (Minimum 32 GB)	
		Storage should be expandable up to 512 GB	
3	Display	Display size (in inch)- 8"	
		Display type- TFT	
		Display Resolution (Horizontal x Vertical) (Pixel)- 1280 x 800 (WXGA)	
		Display Resolution @ Pixel Density- 189	
		Sun light readability (Nits)- 370	
		Display protection: AGC & CEC	
4	Features	Response time of touch screen (in 22 milli seconds Maximum)	
		Life of touch screen should be minimum 10 lakhs touches	
		Touch support- Minimum - 10	
		Rear Camera Resolution (Minimum- 8 Mega Pixel)	
		Front Camera Resolution (Minimum 2 Mega Pixels)	
		SIM Card Slots - 1	
		Type of SIM- Nano	
		Unicode support for Indian Regional languages	
		OTG support	
		Sensors- Accelerometer, Light Sensor	
Tablet should support/preloaded installation of all kinds of application software developed by Government of India			
5	Connectivity	Connectivity- 4G VoLTE	
		Wi-fi Connectivity- 802.11a/b/g/n 2.4+5GHz	
		Bluetooth Connectivity- v4.2	
		GPS with AGPS	
6	Battery	Battery Capacity (Minimum- 5100 mAh)	
		Type of Battery- Li-ion	
		Battery should be non-removable	
		Weight (With Battery) (Maximum 340 Grams)	
7	Accessories	Accessories: As per standard	
		OEM Based MDM (Device & MDM should be supplied by Same OEM)	
8	Certifications	BIS Registration conforming to IS:13252 Part 1 with latest revision	
		BIS Registration Number should be available	
		OEM warranty for Tablet phone should be minimum 1 year	
		OEM warranty for battery should be minimum 12 Months	

		Service center should be available all over India	
		Identification of Government Customers at Service Centres should be through IMEI numbers and no need to carry physical copy of bill	
		Warranty service- Carry in	
		CE certification should be available	
		CB/UL certification should be available	
		FCC certification should be available	
		ROHS certification should be available	
		Packing shall be sufficient to withstand without limitations rough handling during transit and exposure to extreme temperatures and precipitation during transit and open storage	
		Packing must have user manual in Hindi and English Warranty card	
		Manufacturing date should not be older than 6- 12 months from supply date	
9	OEM Criteria	The OEM of the Tab company should be registered in India since last 10 years with minimum turnover of 10000 Cr in last 3 financial years.	

"S6 TABLET02- 10.4"

Sl. No.	Description	Specification	Compliance (Yes/No)
1	Generic	Technology- GSM	
		Processor core- Octa-Core	
		Processor speed (Minimum-2GHz)	
		Operating system- Android 10.0	
		Chipset- Qualcomm SM6115	
		Operating System should be auto upgradable to next revel	
2	Memory	RAM Size (Minimum 3 GB)	
		Internal Storage (Minimum 32 GB)	
		Storage Expandable up to 1TB	
3	Display	Display size (in inch)- 10.4"	
		Display type- TFT	
		Display Resolution (Horizontal x Vertical) (Pixel)- 2000 x 1200 (WUXGA+)	
		Display Resolution @ Pixel Density- 225	
		Sun light readability (Nits)- 370	
		Display protection- AGC & CEC	
4	Features	Response time of touch screen (in 22 milli seconds Maximum)	
		Life of touch screen should be minimum 10 lakhs touches	
		Touch support- Minimum- 10	
		Rear Camera Resolution (Minimum- 8 Mega Pixel)	
		Front Camera Resolution (Minimum- 5 Mega Pixels)	
		SIM Card Slots – 1	
		Type of SIM- Nano	
		Unicode support should be for Indian Regional languages	
		Should support OTG	
		Sensors- Accelerometer, Gyro Sensor, Geomagnetic Sensor, Hall Sensor, Light Sensor	
		Tablet shall support/preloaded installation of all kinds of application software developed by Government of India	

5	Connectivity	Connectivity- 4G VoLTE	
		Wi-fi Connectivity- 802.11a/b/g/n/ac 2.4+5GHz	
		Bluetooth Connectivity- v5.0	
		Should support GPS with AGPS	
6	Battery	Battery Capacity (Minimum- 7040 mAh)	
		Type of Battery- Li-ion	
		Battery should be non-removable	
		Weight (With Battery)- Maximum 480 grams	
7	Accessories	Accessories: As per standard	
		OEM Based MDM (Device & MDM should be supplied by Same OEM)	
8	Certifications	BIS Registration conforming to IS:13252 Part 1 with latest revision	
		BIS Registration Number should be available	
		OEM warranty for Tablet phone should be minimum 1 year	
		OEM warranty for battery should be minimum 12 Months	
		Service center should be available all over India	
		Identification of Government Customers at Service Centres should be through IMEI numbers	
		Warranty service- Carry in	
		CE certification should be available	
		CB/UL certification should be available	
		FCC certification should be available	
		ROHS certification should be available	
9	OEM Criteria	Packing shall be sufficient to withstand without limitations rough handling during transit and exposure to extreme temperatures and precipitation during transit and open storage	
		Packing must have user manual in Hindi and English Warranty card	
		Manufacturing date should not be older than 6- 12 months from supply date	
		The OEM of the Tab company should be registered in India since last 10 years with minimum turnover of 10000 Cr in last 3 financial years.	

4.3.7. SCHEDULE – VII (APPLE PRODUCTS)Detailed Specifications of the **Schedule –VII****01. Item Code No.:- S7 Apple01****Item Name:- iMac (21.5 inches)**

S.No	Parameter	Specifications	Compliance (Yes/No)
1	Display	21.5-inch (diagonal) Retina 4K display 4096x2304 resolution with support for 1 billion colours, 500 nits brightness, Wide colour (P3)	
2	Processor	3.0GHz 6-core Intel Core i5, Turbo Boost up to 4.1GHz, Configurable to 3.2GHz 6-core Intel Core i7, Turbo Boost up to 4.6GHz	
3	Memory	8GB of 2666MHz DDR4 memory Configurable to 16GB or 32GB	
4	Storage	256GB SSD Configurable to 1TB Fusion Drive	
5	Graphics	Radeon Pro 560X with 4GB of GDDR5 memory, Configurable to Radeon Pro Vega 20 with 4GB of HBM2 memory	
6	Video Support & Camera	FaceTime HD camera Simultaneously supports full native resolution on the built-in display at millions of colours (21.5-inch) or 1 billion colours (21.5-inch 4K) and: One 5120x2880 (5K) external display at 60Hz with support for 1 billion colours Thunderbolt 3 digital video output Native DisplayPort output over USB-C	
7	Audio	Stereo speakers, Microphone 3.5mm headphone jack	
8	Connection & Expansion	SDXC card slot, Four USB-A ports. Two Thunderbolt 3 (USB-C) ports with support for: <ul style="list-style-type: none"> • DisplayPort • Thunderbolt (up to 40 Gbps) • USB 3.1 Gen 2 (up to 10 Gbps) • Thunderbolt 2, HDMI, DVI and VGA supported using adapters (sold separately) 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector) Kensington lock slot	
9	Input	Magic Keyboard Magic Mouse 2 Configurable with Magic Keyboard with Numeric Keypad Configurable with Magic Trackpad 2	
10	Wireless	802.11ac Wi-Fi wireless networking IEEE 802.11a/b/g/n compatible Bluetooth 4.2 wireless technology	
11	Size and Weight	Height: 45.0 cm (17.7 inches)	

		Width: 52.8 cm (20.8 inches) Stand depth: 17.5 cm (6.9 inches) Weight: 5.48 kg (12.1 pounds)	
12	Electrical and Operating Requirements	Line voltage: 100–240V AC Frequency: 50Hz to 60Hz, single phase Operating temperature: 10° to 35° C (50° to 95° F) Relative humidity: 5% to 90% non-condensing Operating altitude: tested up to 5,000 m (16,400 feet)	

02. Item Code No.:- S7 Apple02
Item Name:- iMac (27 inches)

S.No	Parameter	Specifications	Compliance (Yes/No)
1	Display	27-inch (diagonal) Retina 5K display 5120x2880 resolution with support for 1 billion colours, 500 nits brightness, Wide colour (P3) True Tone technology, Configurable with nano-texture glass	
2	Processor	3.8GHz 8-core 10th-generation Intel Core i7, Turbo Boost up to 5.0GHz, Configurable to 3.6GHz 10-core 10th-generation Intel Core i9, Turbo Boost up to 5.0GHz	
3	Memory	8GB (two 4GB) of 2666MHz DDR4 memory; four SO-DIMM slots, user accessible Configurable to 16GB, 32GB, 64GB or 128GB	
4	Storage	512GB SSD Configurable to 1TB, 2TB, 4TB or 8TB SSD	
5	Graphics	Radeon Pro 5500 XT with 8GB of GDDR6 memory, Configurable to Radeon Pro 5700 with 8GB of GDDR6 memory, Configurable to Radeon Pro 5700 XT with 16GB of GDDR6 memory	
6	Video Support & Camera	1080p FaceTime HD camera Simultaneously supports full native resolution on the built-in display at 1 billion colours and: One 6016x3384 (6K) external display at 60Hz with support for 1 billion colours, Thunderbolt 3 digital video output Native DisplayPort output over USB-C	
7	Audio	Stereo speakers, Studio-quality three-mic array with high signal-to-noise ratio and directional beamforming 3.5mm headphone jack, Support for "Hey Siri"	
8	Connection & Expansion	3.5mm headphone jack, SDXC card slot (UHS-II), Four USB-A ports, Two Thunderbolt 3 (USB-C) ports with support for: <ul style="list-style-type: none"> • DisplayPort • Thunderbolt (up to 40 Gbps) • USB 3.1 Gen 2 (up to 10 Gbps) • Thunderbolt 2, HDMI, DVI and VGA supported using adapters (sold separately) 10/100/1000BASE-T Gigabit Ethernet (RJ-45 connector), Configurable to 10Gb Ethernet with	

		support for 1Gb, 2.5Gb, 5Gb and 10Gb Ethernet, Kensington lock slot	
9	Input	Magic Keyboard Magic Mouse 2 Configurable with Magic Keyboard with Numeric Keypad Configurable with Magic Trackpad 2	
10	Wireless	802.11ac Wi-Fi wireless networking IEEE 802.11a/b/g/n compatible Bluetooth 5.0 wireless technology	
11	Size and Weight	Height: 51.6 cm (20.3 inches) Width: 65.0 cm (25.6 inches) Stand depth: 20.3 cm (8 inches) Weight: 8.92 kg (19.7 pounds)	
12	Electrical and Operating Requirements	Line voltage: 100–240V AC Frequency: 50Hz to 60Hz, single phase Operating temperature: 10° to 35° C (50° to 95° F) Relative humidity: 5% to 90% non-condensing Operating altitude: tested up to 5,000 m (16,400 feet)	

03. Item Code No.:- S7 Apple03**Item Name:- MacBook Air**

S.No	Parameter	Specifications	Compliance (Yes/No)
1	Display	Retina display 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560x1600 native resolution at 227 pixels per inch with support for millions of colours Supported scaled resolutions: <ul style="list-style-type: none"> • 1680x1050 • 1440x900 • 1024x640 400 nits brightness Wide colour (P3) True Tone technology	
2	Processor	Apple M1 chip <ul style="list-style-type: none"> • 8-core CPU with 4 performance cores and 4 efficiency cores • 8-core GPU • 16-core Neural Engine 	
3	Memory	8GB unified memory, Configurable to 16GB	
4	Storage	512GB SSD, Configurable to 1TB or 2TB	
5	Battery and Power	Up to 15 hours wireless web Up to 18 hours Apple TV app movie playback Built-in 49.9-watt-hour lithium-polymer battery 30W USB-C Power Adapter	
6	Charging and Expansion	Two Thunderbolt / USB 4 ports with support for: <ul style="list-style-type: none"> • Charging 	

		<ul style="list-style-type: none"> • DisplayPort • Thunderbolt 3 (up to 40 Gbps) • USB 4 (up to 40Gbps) • USB 3.1 Gen 2 (up to 10 Gbps) 	
7	Keyboard and Trackpad	Backlit Magic Keyboard with: <ul style="list-style-type: none"> • 78 (US) or 79 (ISO) keys including 12 function keys and 4 arrow keys in an inverted-T arrangement • Ambient light sensor • Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing and Multi-Touch gestures 	
8	Touch ID	Touch ID sensor	
9	Wireless	Wi-Fi <ul style="list-style-type: none"> • 802.11ax Wi-Fi 6 wireless networking • IEEE 802.11a/b/g/n/ac compatible Bluetooth <ul style="list-style-type: none"> • Bluetooth 5.0 wireless technology 	
10	Camera	720p FaceTime HD camera	
11	Video Support	Simultaneously supports full native resolution on the built-in display at millions of colours and: <ul style="list-style-type: none"> • One external display with up to 6K resolution at 60Hz Thunderbolt 3 digital video output <ul style="list-style-type: none"> • Native DisplayPort output over USB-C • VGA, HDMI and Thunderbolt 2 output supported using adapters 	
12	Audio	Stereo speakers, Wide stereo sound, Support for Dolby Atmos playback, Three-mic array with directional beamforming, 3.5mm headphone jack	
13	Operating Requirements	Line voltage: 100V to 240V AC Frequency: 50Hz to 60Hz Operating temperature: 10° to 35° C (50° to 95° F) Storage temperature: -25° to 45° C (-13° to 113° F) Relative humidity: 0% to 90% non-condensing Operating altitude: tested up to 3,000 metres Maximum storage altitude: 4,500 metres Maximum shipping altitude: 10,500 metres	
14	Size and Weight	Height: 0.41–1.09 cm (0.16–0.43 inches) Width: 30.41 cm (11.97 inches) Depth: 21.24 cm (8.36 inches) Weight: 1.29kg (2.8 pounds)	
15	Operating System	macOS	
16	Accessibility	Accessibility features to help people with disabilities. With built-in support for vision, hearing, mobility and learning. Features include: <ul style="list-style-type: none"> • Voice Control • VoiceOver • Zoom • Increase Contrast • Reduce Motion • Siri and Dictation 	

		<ul style="list-style-type: none"> • Switch Control • Closed Captions • Text to Speech 	
17	Built-in Apps	Photos, iMovie, GarageBand, Pages, Numbers, Keynote, Siri, Safari, Mail, FaceTime, Messages, Maps, Stocks, Home, Voice Memos, Notes, Calendar, Contacts, Reminders, Photo Booth, Preview, Books, App Store, Time Machine, TV, Music, Podcasts, Find My, QuickTime Player	
18	Accessories	30W USB-C Power Adapter USB-C Charge Cable (2m)	

04. Item Code No.:- S7 Apple04**Item Name:- MacBook Pro 13"**

S.No	Parameter	Specifications	Compliance (Yes/No)
1	Display	Retina display 13.3-inch (diagonal) LED-backlit display with IPS technology; 2560x1600 native resolution at 227 pixels per inch with support for millions of colours Supported scaled resolutions: <ul style="list-style-type: none"> ○ 1680x1050 ○ 1440x900 ○ 1024x640 500 nits brightness Wide colour (P3) True Tone technology	
2	Processor	2.0GHz quad-core <ul style="list-style-type: none"> • 10th-generation Intel Core i5, Turbo Boost up to 3.8GHz, with 6MB shared L3 cache Configurable to 2.3GHz quad-core <ul style="list-style-type: none"> • 10th-generation Intel Core i7, Turbo Boost up to 4.1GHz, with 8MB shared L3 cache 	
3	Graphics	Intel Iris Plus Graphics	
4	Memory	16GB of 3733MHz LPDDR4X onboard memory Configurable to 32GB	
5	Storage	512GB SSD Configurable to 1TB, 2TB or 4TB SSD	
6	Battery and Power	Up to 10 hours wireless web Up to 10 hours Apple TV app movie playback Up to 30 days of standby time Built-in 58.0-watt-hour lithium-polymer battery 61W USB-C Power Adapter	
7	Charging and Expansion	Four Thunderbolt 3 (USB-C) ports with support for: Charging DisplayPort Thunderbolt 3 (up to 40 Gbps) USB 3.1 Gen 2 (up to 10 Gbps)	
8	Keyboard and Trackpad	Backlit Magic Keyboard with: <ul style="list-style-type: none"> • 65 (US) or 66 (ISO) keys including four 	

		<p>arrow keys in an inverted-T arrangement</p> <ul style="list-style-type: none"> • Touch Bar • Touch ID sensor • Ambient light sensor • Force Touch trackpad for precise cursor control and pressure-sensing capabilities; enables Force clicks, accelerators, pressure-sensitive drawing and Multi-Touch gestures 	
9	Wireless	<p>Wi-Fi</p> <ul style="list-style-type: none"> • 802.11ac Wi-Fi wireless networking • IEEE 802.11a/b/g/n compatible <p>Bluetooth</p> <ul style="list-style-type: none"> • Bluetooth 5.0 wireless technology 	
10	Camera	720p FaceTime HD camera	
11	Video Support	<p>Simultaneously supports full native resolution on the built-in display at millions of colours and:</p> <ul style="list-style-type: none"> • One external 6K display with 6016x3384 resolution at 60Hz at over a billion colours, or • One external 5K display with 5120x2880 resolution at 60Hz at over a billion colours, or • Up to two external 4K displays with 4096x2304 resolution at 60Hz at millions of colours <p>Thunderbolt 3 digital video output</p> <ul style="list-style-type: none"> • Native DisplayPort output over USB-C • VGA, HDMI, DVI and Thunderbolt 2 output supported using adapters (sold separately) 	
12	Audio	Stereo speakers with high dynamic range, Wide stereo sound, Support for Dolby Atmos playback, Three-mic array with directional beamforming, 3.5mm headphone jack	
13	Operating Requirements	<p>Line voltage: 100V to 240V AC Frequency: 50Hz to 60Hz Operating temperature: 10° to 35° C (50° to 95° F) Storage temperature: -25° to 45° C (-13° to 113° F) Relative humidity: 0% to 90% non-condensing Operating altitude: tested up to 3,000 metres Maximum storage altitude: 4,500 metres Maximum shipping altitude: 10,500 metres</p>	
14	Size and Weight	<p>Height: 1.56 cm (0.61 inches) Width: 30.41 cm (11.97 inches) Depth: 21.24 cm (8.36 inches) Weight: 1.4 kg (3.1 pounds)</p>	
15	Operating System	macOS	
16	Accessibility	<p>Accessibility features to help people with disabilities. With built-in support for vision, hearing, mobility and learning.</p> <p>Features include:</p> <ul style="list-style-type: none"> • Voice Control • VoiceOver • Zoom 	

		<ul style="list-style-type: none"> • Increase Contrast • Reduce Motion • Siri and Dictation • Switch Control • Closed Captions • Text to Speech 	
17	Built-in Apps	Photos, iMovie, GarageBand, Pages, Numbers, Keynote, Siri, Safari, Mail, FaceTime, Messages, Maps, Stocks, Home, Voice Memos, Notes, Calendar, Contacts, Reminders, Photo Booth, Preview, Books, App Store, Time Machine, TV, Music, Podcasts, Find My, QuickTime Player	
18	Accessories	61W USB-C Power Adapter USB-C Charge Cable (2m)	

4.3.8. SCHEDULE- VIII (HAND SANITIZER)Detailed Specifications of the **Schedule –VIII****01. Item Code No.:- S8 HandSanitizer01****Item Name:- Hand Sanitizer**

S.No	Parameter	Specifications - Non-Contact Digital Signage Kiosk with Hand Sanitization	Compliance (Yes/No)
1	Key Feature of kiosk	Hand Sanitization	
2	Enclosure	MS Powder Coated,1.6 mm thick CRCA	
3	Mounting	Wall or Floor Mounted	
4	Sanitizer	Liquid/Gel	
5	Hand Disinfection	With UV LED	
6	Sanitizer Capacity	1-10 litres	
7	Dispensing	Automatic	
8	Sanitizer Level Indicator	Yes	
9	Sanitizer Levels	Full ,Half, Reserve	
10	Digital Signage	Yes	
11	Display Size &Type	21.5 inch , FHD, IPS	
12	Response Type	Less than 10 ms	
13	Signage SW	On Board thru USB	
14	CMS SW	On Board CMS	
15	Screen Split	Single or Tripart	
16	OTT	4GB/16GB	
17	Operating System	Android	
18	Palm Sensing Distance	2cm -7cm	
19	Temperature Display	NA	
20	Data Transfer	USB	
21	Speakers	2x 5Watt	
22	Power Supply	240 V AC, 50 Hz	
23	Warranty	1 year	

02. Item Code No.:- S8 HandSanitizer02**Item Name:- Hand Sanitizer**

S.No	Parameter	Specifications - Non-Contact Digital Signage Kiosk with Palm Temperature Measurement and Hand Sanitization	Compliance (Yes/No)
1	Key Feature of kiosk	Hand Sanitization with Temperature Scanning.	
2	Enclosure	MS Powder Coated,1.6 mm thick CRCA	
3	Mounting	Wall or Floor Mounted	
4	Sanitizer	Liquid/Gel	
5	Temp Sensor	IR	
6	Sensor	Melexis/ Omron with High (medical) accuracy calibration	
7	Hand Disinfection	With UV LED	
8	Sanitizer Capacity	1-10 litres	
9	Dispensing	Automatic	
10	Sanitizer Level Indicator	Yes	
11	Sanitizer Levels	Full , Half, Reserve	
12	Digital Signage	Yes	
13	Display Size &Type	21.5 inch , FHD, IPS	
14	Response Type	Less than 10 ms	
15	Signage SW	On Board thru USB	
16	CMS SW	On Board CMS	
17	Screen Split	Single or Tripart	
18	OTT	4GB/16GB	
19	Operating System	Android	
20	Type of Measurement	Palm	
21	Temperature Range	50°F-122°F / 10°C- 50°C	
22	Temperature measuring unit	Celsius / Fahrenheit	
23	Accuracy	0.2°C	
24	Temp Compensations	Yes	
25	Palm Sensing Distance	2cm -7cm	
26	Alarm	High Temperature Alarm	
27	Alarm Type	Flash, Beep and voice	
28	High Temperatures Alarm reset	continuous alarm in case of high temp till manual reset of kiosk	
29	Temperature Display For high Temperature	Freeze the screen to identify the person with high temperature	
30	Temperature Display	On Screen or 7 Segment LED	
31	Data Transfer	USB	
32	Speakers	2x 5Watt	
33	Power Supply	240 V AC, 50 Hz	
34	Warranty	1 year	

03. Item Code No.:- S8 HandSanitizer03**Item Name:- Hand Sanitizer**

S.No	Parameter	Specifications - Non-Contact Digital Signage Kiosk Photo ID Capture, Temp. Measurement and Hand Sanitization	Compliance (Yes/No)
1	Key Feature of kiosk	Hand Sanitization with Temperature Scanning and Photo ID Capture.	
2	Enclosure	MS Powder Coated,1.6 mm thick CRCA	
3	Mounting	Wall or Floor Mounted	
4	Sanitizer	Liquid/Gel	
5	Temp Sensor	IR	
6	Sensor	Melexis/ Omron with High (medical) accuracy calibration	
7	Hand Disinfection	With UV LED	
8	Sanitizer Capacity	1-10 litres	
9	Dispensing	Automatic	
10	Sanitizer Level Indicator	Yes	
11	Sanitizer Levels	Full ,Half, Reserve	
12	Digital Signage	Yes	
13	Display Size &Type	21.5 inch , FHD, IPS	
16	Response Type	Less than 10 ms	
17	Signage SW	On Board thru USB	
18	CMS SW	On Board CMS	
19	Screen Split	Single or Tripart	
20	OTT	4GB/16GB	
21	Operating System	Android	
22	Tpye of Measurement	Palm and forehead	
23	Temperature Range	50°F-122°F / 10°C- 50°C	
24	Temperature measuring unit	Celsius / Fahrenheit	
25	Accuracy	0.2°C	
26	Temp Compensation	Yes	
27	Palm Sensing Distance	2cm -7cm	
28	Alarm	High Temperature Alarm	
29	Alarm Type	Flash, Beep and voice	
30	High Temperature Alarm reset	continuous alarm in case of high temp till manual reset of kiosk	
31	Temperature Display For high Temperature	Freeze the screen to identify the person with high temperature	
32	Temperature Display	On Screen or 7 Segment LED	
33	Data Transfer	USB	
34	Photo Capture	Yes, with Temp, Date and Time	
35	Web Camera Resolution	720 x 480p	
37	Speakers	2x 5Watt	
38	Power Supply	240 V AC, 50 Hz	
40	Warranty	1 year	

4.3.9. SCHEDULE- IX (ADDITIONAL ITEM)**Additional Items**

Sl. No.	Item Code	Item name
1	COMPADDON01	Standard English Keyboard
2	COMPADDON02	Bilingual Keyboard in English and Devnagri
3	COMPADDON03	Optical Mouse
4	COMPADDON04	Head Sets with MIC
5	COMPADDON05	Web Camera, Glass Lens with 2 Mega Pixels
6	COMPADDON06	Web Camera (8 MP)
7	COMPADDON07	2.5 inch Ext. HDD, 1 TB with USB 2.0 Interface
8	COMPADDON08	Set of 2 External speakers of 5 RMS
9	COMPADDON09	2.5 inch Portable HDD, 500 GB with USB 2.0 Interface & backup software
10	COMPADDON10	23.5 inch TFT/LED Digital colour Monitor
11	COMPADDON 11	27" inch TFT/LED Digital Colour Monitor
12	COMPADDON 12	Norton/Mc Afee /Quick Heal/Trend Micro Antivirus Software latest Version with 3 years License
13	COMPADDON 13	8 GB Pen Drive
14	COMPADDON 14	16 GB Pen Drive
15	COMPADDON 15	32 GB Pen Drive
16	COMPADDON 16	Battery for quoted Laptop
17	COMPADDON 17	Laptop Adopter

FINANCIAL BID

5. FINANCIAL BID

5.1. FINANCIAL BID – SCHEDULE I

**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID**

Name of the Bidder:-

Address for Correspondence:-

SCHEDULE-I

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S1 LPA4S01							
2.	S1 LPA4S02							
3.	S1 LPA4S03							
4.	S1 LPA4S(MFP)04							
5.	S1 LPA4S(MFP)05							
6.	S1 LPA4S(MFP)06							
7.	S1 LPA4S04NC07							
8.	S1 LPA4SNP08							
9.	S1 LPA3SNC09							
10.	S1 LPA3SNC10							

5.2. FINANCIAL BID – SCHEDULE II**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID****Name of the Bidder:-****Address for Correspondence:-****SCHEDULE–II**

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S2 DPMFD01							
2.	S2DPMFD02							
3.	S2 DPMFD03							
4.	S2 DPMFD04							
5.	S2 DPMFD05							
6.	S2 DPMFD06							
7.	S2 SCAN01F							
8.	S1SCAN02A							
9.	S2 SCAN03F							
10.	S2 SCAN04F							
11.	S2 SCAN04FA							
12.	S2 SCAN04D1							
13.	S2 SCAN04D2							
14.	S2 SCAN04D3							

5.3. FINANCIAL BID – SCHEDULE III**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID****Name of the Bidder:-****Address for Correspondence:-****SCHEDULE–III**

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S3 TV01							
2.	S3 TV02							
3.	S3 TV03							
4.	S3 TV04							
5.	S3 TV05							
6.	S3 TV06							
7.	S3 TV07							
8.	S3 TV08							
9.	S3 TV09							
10.	S3 TV10							
11.	S3 TV11							
12.	S3 TV12							
13.	S3 TV13							
14.	S3 TV14							
15.	S3 TV15							
16.	S3 TV16							
17.	S3 TV17							

5.4. FINANCIAL BID – SCHEDULE IV**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID****Name of the Bidder:-****Address for Correspondence:-****SCHEDULE-IV**

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S4 PLOTTER01							
2.	S4 PLOTTER02							
3.	S4 PLOTTER03							
4.	S4 PLOTTER04							

5.5. FINANCIAL BID – SCHEDULE V**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID****Name of the Bidder:-****Address for Correspondence:-****SCHEDULE–V**

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S5 PROJECTOR01							
2.	S5 PROJECTOR02							
3.	S5 PROJECTOR03							
4.	S5 PROJECTOR04							
5.	S5 PROJECTOR05							
6.	S5 PROJECTOR06							
7.	S5 PROJECTOR07							
8.	S5 PROJECTOR08							
9.	S5 PROJECTOR09							
10.	S5 PROJECTOR10							

5.6. FINANCIAL BID – SCHEDULE VI**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID****Name of the Bidder:-****Address for Correspondence:-****SCHEDULE–VI**

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S6 TABLET01 8.0 "							
2.	S6 TABLET02 10.4"							

5.7. FINANCIAL BID – SCHEDULE VII**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID****Name of the Bidder:-****Address for Correspondence:-****SCHEDULE–VII**

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S7 Apple01							
2.	S7 Apple02							
3.	S7 Apple03							
4.	S7 Apple04							

5.8. FINANCIAL BID – SCHEDULE VIII**BIHAR STATE ELECTRONICS DEVELOPMENT CORPORATION LTD.
FINANCIAL BID****Name of the Bidder:-****Address for Correspondence:-****SCHEDULE–VIII**

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1.	S8 HandSanitizer01							
2.	S8 HandSanitizer02							
3.	S8 HandSanitizer03							

5.9. FINANCIAL BID – SCHEDULE IX

Name of Bidder:- _____

Address for Correspondence:- _____

Sl. No.	Item Code	Make	Model	Base Unit Price	GST in %	GST Tax in Amount	Total Unit Price (E+G)	Annual rate of Comprehensive AMC (in % terms of total unit price)
A	B	C	D	E	F	G	Rs.H=E+G	I
1	COMPADDON01							
2	COMPADDON02							
3	COMPADDON03							
4	COMPADDON04							
5	COMPADDON05							
6	COMPADDON06							
7	COMPADDON07							
8	COMPADDON08							
9	COMPADDON9							
10	COMPADDON10							
11	COMPADDON 11							
12	COMPADDON 12							
13	COMPADDON 13							
14	COMPADDON 14							
15	COMPADDON 15							
16	COMPADDON 16							
17	COMPADDON 17							

ANNEXURES

6. ANNEXURES

6.1 ANNEXURE (A) - SUPPORT (INFRASTRUCTURE AVAILABLE)

Sl. No.	Division/ District Name	Contact Details such as Names, phones, e-mails, website etc.	Own/Franchisee Support Centers	Manpower
1.	ARARIA			
2.	ARWAL			
3.	AURANGABAD			
4.	BANKA			
5.	BEGUSARAI			
6.	BHAGALPUR			
7.	BHOJPUR			
8.	BUXAR			
9.	DARBHANGA			
10.	EAST CHAMPARAN			
11.	GAYA			
12.	GOPALGANJ			
13.	JAMUI			
14.	JEHANABAD			
15.	KAIMUR			
16.	KATIHAR			
17.	KHAGARIA			
18.	KISHANGANJ			
19.	LAKHISARAI			
20.	MADHEPURA			
21.	MADHUBANI			
22.	MUNGER			
23.	MUZAFARPUR			

24.	NALANDA			
25.	NAWADA			
26.	PATNA			
27.	PURNIA			
28.	ROHTAS			
29.	SAHARSA			
30.	SAMASTIPUR			
31.	SARAN			
32.	SHEIKHPURA			
33.	SHEOHAR			
34.	SITAMARHI			
35.	SIWAN			
36.	SUPAUL			
37.	VAISHALI			
38.	WEST CHAMPARAN			

6.2 ANNEXURE (B)- SITE NOT READY (SNR) CERTIFICATE

1.	Agency / OEM Name	
2.	Project Name	
3.	Purchase Order No. & date	
4.	Equipment Name	
5.	Date of delivery	
6.	Date of 1 st Visit for installation	
7.	Site not ready reason	
8.	Tentative date of site being ready for Installation	
9.	Contact detail of vendor for getting equipment installed, if site get ready.	
10.	Certificate	There is no delay on the part of vendor in getting the equipment installed
11.	Name of User/ BSEDC/ Department Official site in-charge: Designation: Contact No.: Signature: (with official seal) Date:	

6.3 ANNEXURE (C)- INSTALLATION CERTIFICATE

1.	Agency/ OEM Name	
2.	Project Name	
3.	Purchase Oder No. & date	
4.	Equipment Name & Description	1)
		2)
		3)
		4)
5)	Equipment Serial No.	1)
		2)
		3)
		4)
6)	Date of delivery	
7)	Date of intimation of call for installation / site readiness information (in case of SNR)	
8)	Installation Date	
9)	Certificate	Equipment (as per ordered configuration) has been installed successfully
10)	Name of User/ BSEDC/ Department Official site in charge: Designation : Contact No.: Signature (with official seal) Date:	

6.4 ANNEXURE (D)- BANK GUARANTEE FORMAT FOR EMD

To,

**The Managing Director
Bihar State Electronics Development Corporation Limited
Government of Bihar
BELTRON Bhavan, Shastri Nagar,
Patna**

Whereas (here in after called "the Bidder") has submitted is Bid dated (date of submission of Bid) for Empanelment of vendors for supply and AMC for additional 2 year in terms of the Tender dated issued by the Managing Director of Bihar State Electronics Development Corporation Limited, Patna. (here in after called "the Bid").

Whereas as per Clause ***** Section ***** of the Bid, the Bidder is required to furnish a Bank guarantee as Earnest Money Deposit from a scheduled commercial bank (Bank Guarantee)

In consideration of the fact that the Bidder is our valued customer and the fact that he has submitted the Bid, we, (name and address of the bank), (here in after called "the Guarantor bank"), has agreed to bind ourselves, our successors, and assigns to irrevocably issue this bank Guarantee and guarantee as under

NOW THIS GUARANTEE WITNESSETH:-

1. If the Bidder
 - a) withdraws its Bid proposal during the period of Bid validity specified by the Bidder on the Technical Proposal Cover Letter; or
 - b) having been notified of the acceptance of its Bid by the Managing Director, Bihar State Electronics Development Corporation Limited during the period of Bid Proposal validity:
 - i. fails or refuses to enter into the contract; or
 - ii. fails or refuses to furnish the performance guarantee, in accordance with the Terms of Reference of the Tender document issued to the Bidders.

The Guarantor Bank shall immediately on demand pay the Managing Director, Bihar State Electronics Development Corporation Limited without any demur and without the Managing Director, Bihar State Electronics Development Corporation Limited having to substantiate such demand a sum of RsLaksh(.only) (Guaranteed Amount).

2. The Guarantor Bank will make the payment of the Guaranteed Amount forthwith on the demand made by the Managing Director, Bihar State Electronics Development Corporation

Limited, notwithstanding any objection or dispute that may exist or arise between the Managing Director, Bihar State Electronics Development Corporation Limited and the Bidder or any other person.

3. The demand of the Managing Director, Bihar State Electronics Development Corporation Limited on the Guarantor Bank for the payment of the Guaranteed Amount, shall be deemed as the final proof of fulfillment of the conditions stipulated in (1) above.

4. This Guarantee shall be irrevocable and shall not be discharged except by payment of the above amount by us to the Managing Director, Bihar State Electronics Development Corporation Limited and our liability under this Guarantee shall be restricted to the Guaranteed Amount being Rs. (only)

5. If it is necessary to extend this Guarantee on account of any reason whatsoever, we undertake to extend the period of the Guarantee on the request of the Bidder under intimation to the Managing Director, Bihar State Electronics Development Corporation Limited.

6. To give full effect to the Guarantee contained herein, the Managing Director, Bihar State Electronics Development Corporation Limited shall be entitled to act as if the Guarantor Bank is the Principal debtor in respect of claims against the Bidder and the Guarantor Bank hereby expressly waives all its rights of surety-ship and other rights, if any, which are in any way inconsistent with any of the provisions of this Guarantee.

7. Any notice by way of demand or otherwise may be sent by special courier, telex, fax, registered post or other electronics media to our address as afore-said and if sent by post, shall be deemed to have been given to us after expiry of 48 hours when the same has been posted.

8. Our liability under this Guarantee will continue to exist until a demand is made by the Managing Director, Bihar State Electronics Development Corporation Limited in writing or up to and including One Hundred and Eighty (180) days after the period of the bid Proposal validity, i.e. upto _____ **20** , and any demand in respect thereof should reach the Bank not later than the above date.

Dated this day

Yours faithfully,

For and on behalf of the Guarantor Bank.

(Signature)

Designation

(Address and Common Seal of the Bank)

6.5 ANNEXURE (E)- TEMPLATE FOR PRE-BID CONFERENCE**QUERIES/CLARIFICATIONS**

RFP purchase receipt no.:-

Date:

Name of the Bidders:

Address:

Telephone Nos:

Fax No:

Mobile No:

Email ID:.

Sl. No.	Page No. in theRFP	Section No.	Clause No.	Particulars of the query/clarification	Remarks
01					
02					
03					
04					
05					

Authorized Signatory

Designation

(If the queries/clarifications are submitted through Email, the bidder should send the queries/clarifications through official Email IDs only).