



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/4250792
Dated/दिनांक : 25-11-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	07-12-2023 15:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	07-12-2023 15:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	120 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Finance
Department Name/विभाग का नाम	Department Of Economic Affairs
Organisation Name/संगठन का नाम	Security Printing And Minting Corporation Of India Limited (spmci)
Office Name/कार्यालय का नाम	Janpath
Total Quantity/कुल मात्रा	13
Item Category/मद केटेगरी	SITC for Upgrading Existing CCTV System (Q3) , Onsite Manpower Deployment (Q3)
MSE Exemption for Years Of Experience/अनुभव के वर्षों से एमएसई छूट/ and Turnover/टर्नओवर के लिए एमएसई को छूट प्राप्त है	Yes
Startup Exemption for Years Of Experience/अनुभव के वर्षों से स्टार्टअप छूट/ and Turnover/ टर्नओवर के लिए स्टार्टअप को छूट प्राप्त है	Yes
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Certificate (Requested in ATC),OEM Authorization Certificate,Additional Doc 1 (Requested in ATC),Additional Doc 2 (Requested in ATC),Additional Doc 3 (Requested in ATC),Additional Doc 4 (Requested in ATC) *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	No
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	SITC for Upgrading Existing CCTV System
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	3 Days

Bid Details/बिड विवरण

Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
Evaluation Method/मूल्यांकन पद्धति	Total value wise evaluation
Financial Document Required/वित्तीय दस्तावेज की आवश्यकता है।	Yes

EMD Detail/ईएमडी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
EMD Amount/ईएमडी राशि	110000

ePBG Detail/ईपीबीजी विवरण

Advisory Bank/एडवाइजरी बैंक	State Bank of India
ePBG Percentage(%) / ईपीबीजी प्रतिशत (%)	10.00
Duration of ePBG required (Months) / ईपीबीजी की अपेक्षित अवधि (महीने).	26

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy./जेम की शर्तों के अनुसार ईएमडी छूट के इच्छुक बिडर को संबंधित केटेगरी के लिए बिड के साथ वैध समर्थित दस्तावेज प्रस्तुत करने हैं। एमएसई केटेगरी के अंतर्गत केवल वस्तुओं के लिए विनिर्माता तथा सेवाओं के लिए सेवा प्रदाता ईएमडी से छूट के पात्र हैं। व्यापारियों को इस नीति के दायरे से बाहर रखा गया है।

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable./ईएमडी और संपादन जमानत राशि, जहां यह लागू होती है, लाभार्थी के पक्ष में होनी चाहिए।

Beneficiary/लाभार्थी :

Chief General Manager
India Government Mint, Kolkata, West Bengal, Pin 700053
(Chief General Manager)

Splitting/विभाजन

Bid splitting not applied/बोली विभाजन लागू नहीं किया गया.

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता	Yes
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MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता

Yes

1. If the bidder is a Micro or Small Enterprise as per latest definitions under MSME rules, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

2. If the bidder is a Startup, the bidder shall be exempted from the requirement of "Bidder Turnover" criteria and "Experience Criteria" subject to their meeting of quality and technical specifications. If the bidder is OEM of the offered products, it would be exempted from the "OEM Average Turnover" criteria also subject to meeting of quality and technical specifications. In case any bidder is seeking exemption from Turnover / Experience Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer.

3. Preference to Make In India products (For bids < 200 Crore):Preference shall be given to Class 1 local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a Class 1 local supplier is denoted in the bid document. If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 04.06.2020. Only Class-I and Class-II Local suppliers as per MII order dated 4.6.2020 will be eligible to bid. Non - Local suppliers as per MII order dated 04.06.2020 are not eligible to participate. However, eligible micro and small enterprises will be allowed to participate .The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023.

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

4. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% (Selected by Buyer)of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for 25%(selected by Buyer) percentage of total QUANTITY.The buyers are advised to refer the OM No.F.1/4/2021-PPD dated 18.05.2023

[OM No.1 4 2021 PPD dated 18.05.2023](#) for compliance of Concurrent application of Public Procurement Policy for Micro and Small Enterprises Order, 2012 and Public Procurement (Preference to Make in India) Order, 2017.

SITC For Upgrading Existing CCTV System (1 set)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification

Document/क्रेता विशिष्टि दस्तावेज़

[Download](#)

Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	Jenar Kumar Sinha	700053,India Govt Mint, Alipore Kolkata , West Bengal	1	70

Onsite Manpower Deployment (12 month)

(Minimum 50% and 20% Local Content required for qualifying as Class 1 and Class 2 Local Supplier respectively/क्रमशः श्रेणी 1 और श्रेणी 2 के स्थानीय आपूर्तिकर्ता के रूप में अर्हता प्राप्त करने के लिए आवश्यक)

Technical Specifications/तकनीकी विशिष्टियाँ

Buyer Specification Document/क्रेता विशिष्टि दस्तावेज़	Download
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Consignees/Reporting Officer/परेषिती/रिपोर्टिंग अधिकारी and/ तथा Quantity/मात्र

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोर्टिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	Jenar Kumar Sinha	700053,India Govt Mint, Alipore Kolkata , West Bengal	12	365

Buyer Added Bid Specific Terms and Conditions/क्रेता द्वारा जोड़ी गई बिड की विशेष शर्तें**1. Generic**

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent of bid quantity at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

2. Certificates

Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.

3. Forms of EMD and PBG

Bidders can also submit the EMD with Account Payee Demand Draft in favour of

S P M Corporation of India Limited
payable at
Kolkata

. Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

4. **Forms of EMD and PBG**

Bidders can also submit the EMD with Fixed Deposit Receipt made out or pledged in the name of A/C (Name of the Buyer). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of EMD, the FDR will be released in the favour of the bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Bidder has to upload scanned copy/ proof of the FDR along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date/ Bid Opening date

5. **Forms of EMD and PBG**

Bidders can also submit the EMD with Banker's Cheque in favour of

S P M Corporation of India Limited
payable at
Kolkata

. Bidder has to upload scanned copy / proof of the BC along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.

6. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of

S P M Corporation of India Limited
payable at
Kolkata

. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.

7. **Forms of EMD and PBG**

Successful Bidder can submit the Performance Security in the form of Fixed Deposit Receipt also (besides PBG which is allowed as per GeM GTC). FDR should be made out or pledged in the name of

S P M Corporation of India Limited
A/C (Name of the Seller). The bank should certify on it that the deposit can be withdrawn only on the demand or with the sanction of the pledgee. For release of Security Deposit, the FDR will be released in favour of bidder by the Buyer after making endorsement on the back of the FDR duly signed and stamped along with covering letter. Successful Bidder has to upload scanned copy of the FDR document in place of PBG and has to ensure delivery of hard copy of Original FDR to the Buyer within 15 days of award of contract.

8. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

1. Delivery Period:

(i) For Schedule 1: Within Ten (10) Weeks from the date of issue of Contract.

(ii) For Schedule 2: Twelve (12) Months from the date of Final Acceptance Test(FAT) of Serial number 1.

(iii) The vendor is responsible for delivering the goods and duly unloading the same at the General Store of India Government Mint, Kolkata after taking necessary Gate Pass from CISF at the main gate by showing t

he ID proof, Purchase Order & invoice etc. and necessary documents like invoice, delivery challan, copy of PO, e-way bill, bank details in company letter head duly sealed and signed etc. are to be handed over to Store-in-charge.

2. Warranty:

(a) The supplier warrants that the goods supplied under the contract is new, unused and incorporate all recent improvements in design and materials unless prescribed otherwise by India Govt. Mint, Kolkata in the contract. The supplier further warrants that the goods supplied under the contract shall have no defect arising from design, materials (except when the design adopted and / or the material used are as per specification of India Govt. Mint, Kolkata) or workmanship or from any act or omission of the supplier, that may develop under normal use of the supplied goods under the conditions prevailing in India.

(b) The goods along with all accessories supplied & installed under this contract shall be warranted against any type of defects arising due to design, faulty material, workmanship, poor packing and damage during transportation and unloading/shifting/lifting, storage and for trouble free operation.

(c) Apart from mentioned individual component warranty as mentioned in technical specification, bidder has to provide minimum One(1) Year warranty of Upgraded System. The Warranty shall remain valid for a period of One (1) Year from the date of acceptance by user section of India Government Mint, Kolkata and shall include repairing and replacing of defective parts, workmanship and services, required operational and maintenance support services at free of cost, which are essentially required to put the entire system in normal operation.

(d) In case of any claim arising out of this warranty, India Govt. Mint shall promptly notify the same in writing to the supplier.

(e) Upon receipt of such notice, the supplier shall, with all reasonable speed and time, repair or replace the defective goods free of cost, at the ultimate destination. The supplier shall take over the replaced goods after providing their replacements and no claim, whatsoever shall lie on India Govt. Mint, Kolkata for such replaced goods thereafter.

(f) In the event of any rectification of a defect or replacement of any defective goods during the warranty period, the warranty for the rectified/ replaced goods shall be extended to a further period of twelve months from the date such rectified / replaced goods starts functioning to the satisfaction of India Govt. Mint, Kolkata.

(g) If the supplier, having been notified, fails to rectify/ replace the defect(s) within a delivery period, India Govt. Mint, Kolkata may proceed to take such remedial action(s) as deemed fit by India Govt. Mint, Kolkata at the risk and expense of the supplier and without prejudice to other contractual rights and remedies, which India Govt. Mint, Kolkata may have against the supplier.

3. Terms and Mode of payments:

(i) For item Serial No. 1: 100% on receipt and acceptance of goods & services at destination by the user section of India Government Mint, Kolkata and on production of all required documents by the supplier. (Acceptance means goods supplied in proper condition at India Govt. Mint, Kolkata as well as meeting other terms and conditions of Purchase order.)

(ii) For item Serial No. 2: Monthly basis on receipt and acceptance of services at destination by the user section of India Government Mint, Kolkata and on production of all required documents by the supplier. (Acceptance means goods supplied in proper condition at India Govt. Mint, Kolkata as well as meeting other terms and conditions of Purchase order.)

4. Transportation of Domestic Goods:

To be borne by the supplier duly unloaded at the General store of India Govt. Mint, Kolkata.

5. Insurance:

The supplier shall make arrangements for insuring the goods against loss or damage, incidental to manufacture or acquisition, transportation, storage and delivery. The Supplier shall be responsible till the entire goods contracted for arrive in good condition at destination. The transit risk in this respect shall be covered by the supplier by getting the goods duly insured. The insurance cover shall be obtained by the supplier in its own name not in the name of India Government Mint, Kolkata or its consignee.

6. Quantum of LD:

If the supplier fails to deliver any or all of the goods or fails to perform the services within the time frame(s) incorporated in the contract (for both with respect to delivery of items as well as Installation, commission, training and Final Acceptance Test (FAT) as mentioned in technical specification), India Govt. Mint, Kolkata shall, without prejudice to other rights and remedies available to India Govt. Mint, Kolkata under the contract, deduct from the contract price, as liquidated damages, a sum equivalent to the 0.5% of the delivered price of the delayed goods and/ or services for each week of delay or part thereof until actual delivery or performance, subject to a maximum deduction of the 10% of the delayed items' or services' contract price(s).

7. The total cost inclusive of all as cited above on FOR India Govt. Mint, Kolkata (W.B) basis should be indicated clearly both in words and figures in the price bid.

8. Documentary evidence to be submitted towards PAN & GST Registration Certificate.

9. Upload Manufacturer Authorization:

The participating bidder must submit Manufacturers Authorisation Form (MAF)/Certificate along with the bid in the format provided in Annexure- I under Technical Specification document.

10. Participating Bidder must submit sealed and signed copy of entire GeM bid document including the Technical Specification. Also the participating bidder must submit sealed & signed Annexure II in their letter head & checklist attached under Technical Specification.

11. All the supporting documents submitted along with this bid should be signed and sealed by the authorized signatory of the firm mandatorily including printed literature, if any shall be initialled by the same person(s) signing the bid document. The bid document shall not contain any erasure or overwriting, except as necessary to correct any error made by the tenderer and, if there is any such correction; the same shall be initialled by the person(s) signing the tender.

12. The supplier has to provide GeM invoice during submission of bill for payment.

13. Price Schedule:

While quoting the price through GeM portal, the detailed price breakup along with GST percentage must be mentioned and attached as pdf in the document attachment option of price bid mandatorily. Do not upload financial documents related to financial standings like audited balance sheets in the document attachment field of price bid, attach only the detailed price breakup of the quotation as mentioned above. Detailed price breakup of the quotation must be in the format as attached in the end of this bid document.

Price to be mentioned only in price bid not in Techno commercial bid or any other place. If it is mentioned any other part other than price bid, the offer will be rejected.

14. Qualification/ Eligibility Criteria

A. EXPERIENCE & PAST PERFORMANCE : The bidder should have experience of having successfully completed similar kind of services for the value at least Rs.21.96 Lakhs in any one of the last five years ending on 31.03.2023.

Note:

(i) **Similar Kind of Services Means:** S.I.T.C. of server based VMS for the CCTV surveillance system.

(ii) In support of Experience & Past Performance copy of supply/ work order; respective completion certificate and contact details of clients (previous buyer of the items) to be enclosed along with the tender.

(iii) All copy of supply/ work order; respective completion certificate and contact details of clients: in support of experience, past performance should be authenticated by the by the person authorized to sign the tender on behalf of the bidder.

B. CAPABILITY - The bidder must have capability to provide the relevant services.

Note:

(i) In support of the Capability, the bidder has to submit copy of supporting documents.

(ii) For verifying the capability/capacity, India Government Mint, Kolkata reserves the right to depute its authorized representatives at the worksites of the bidder. In the event, the firm is found not having capability/capacity, their offer is liable to be rejected.

C. FINANCIAL STANDING :

i) The average annual financial turnover of the bidder during the last three years, ending on 31.03.2023, should be at least Rs.21.96 Lakhs as per the annual report (audited balance sheet and profit & loss account) of the relevant period, duly authenticated by a Chartered Accountant/ Cost Accountant in India.

ii) The bidder should not have suffered any financial loss for more than one year during the last three years, ending on 31.03.2023.

iii)

a) The net worth of the Bidder should not be negative on 31.03.2023 and also

b) Should not have eroded by more than 30% in the last three years, ending on 31.03.2023.

Note:

(i) For net worth erosion calculation of last three(3) years ending on 31.03.2023, audited balance sheet of last four(4) financial years i.e: 2019-20, 2020-21, 2021-22 & 2022-23 must be submitted.

(ii) Supporting documents to be furnished as claim against the above Financial Standing: all financial standing data should be certified by certified accountants, e.g. Chartered Accountants (CA) in India.

(iii) Non-submission or incomplete submission of documents may lead to rejection of offer.

15. MSME & Make in India Status:

In case any bidder is submitting their bid as MSME and/or MII, the firm must be registered as a MSME & MII in GeM portal and Self-declaration along with documentary evidence in this regard must be submitted declaring that their MSME & MII status is updated in GeM portal also. In further evaluation stage if it is found that the firm is not registered as MSME and/or MII in GeM, but MSME certificate and/or MII declaration is submitted along with the bid, no exemption will be given and their offer may be rejected.

16. Price Preference for MSE:

MSE quoting price within price band L1 + 15% may be awarded 25% of the total tendered value provided they agree to match the L1 price. In case of more than one such eligible MSE, 25% quantity is to be distributed proportionately among these bidders. Within this, a purchase preference of 4% is reserved for MSEs owned by SC/ ST entrepreneurs' and 3% is reserved for procurement from MSEs owned by women (if they participate in the tender process and match the L1 price, considering spirit of policy for enhancing the Govt. procurement from MSE.

17. Disclaimer :

The issue of this Bid Document does not imply that the Purchaser is bound to select Bidder(s) and the Purchaser reserves the right to reject all or any of the Bidders or Bids or to decide to drop the procurement process at any stage without assigning any reason.

18. Eligible Goods and Services (Origin of Goods & Services):

(i) All goods and services to be supplied and provided for the contract shall have the origin in India or in the countries with which the Government of India has trade relations.

(ii) The word "origin" incorporated in this clause means the place from where the goods are mined, cultivated, grown, manufactured, produced or processed or from where the service are arranged.

19. Special Condition: Supplier should file the returns pertaining to TCS (Section 206C (1H) for TCS collected, in the time and provide the TCS certificate to IGMK. In case of any Credit loss to IGMK by way of their failure to file Returns and provide TCS certificate in time, India Government Mint, Kolkata reserves the right to recover the amount equivalent to TCS paid along with applicable interest from the payment of further supplies.

20. GST Return:

Supplier should file the GST return for outward supplies in time. In case of any loss to India Government Mint, Kolkata by way of their failure to file GST Returns in time India Government Mint, Kolkata reserves the right to withhold the payment of further supplies till production of evidence. Any liability which will occur on account of non-compliance of e-way bill, GST provision or any other applicable law will be borne by s

supplier.

21. Consignee:

Chief General Manager, India Government Mint, Alipore, Kolkata, West Bengal, Pin – 700053.

On the consignment please mention the following details:

Order No : **Packing No :** **Net Weight :** **Gross Weight :**

22. Packing:

Goods should be suitably packed. The packing should be weather proof and should be made water proof to prevent damage during transit. The supplier will also be responsible for unloading and stacking at India Government Mint, Kolkata Store as per instruction of competent authority.

23. Resolution of Disputes:

If dispute or difference of any kind shall arise between India Government Mint, Kolkata and the supplier in connection with or relating the contract, the parties shall make every effort to resolve the same amicably by mutual consultations. If the parties fail to resolve the same amicably the mutual consultations. If the parties fail to resolve their dispute or difference by such mutual consultation within 21 days of its occurrence, then, unless otherwise provided in the SCC, either India Government Mint, Kolkata or the supplier may seek recourse to settlement of disputes through arbitration act 33.2. Disputes arising out of any breach of contract pertaining to this tender shall be settled in the court of competent jurisdiction located within Kolkata only.

24. Risk Purchase Clause :

(a) If the supplier after submission of tender and due acceptance of the same, i.e. after notification of award of contract fails to abide by the terms and conditions of these tender documents, or fails to supply the deliverables as per delivery schedule given or at any time repudiates the contract, the purchaser shall have the right to:

(i) Invoke the Security-cum-Performance Guarantee if deposited by the supplier and procure stores from other agencies at the risk and consequence of the supplier. The cost difference between the alternative arrangement and supplier tendered value will be recovered from the supplier.

(b) Supplier has to abide by all the terms and conditions of tender.

(c) In case of procurement through alternative sources and if procurement price is lower, no benefit on this account will be passed on to the supplier.

25. Quality Control Requirements:

Quality of Goods & Services: Free from all technical defects, in compliance with our Technical Specification

i) Goods/service supplied not in conformity with tender specification will be treated as goods/service not supplied at all and supplier shall take supplied material not conforming to order specification back within 15 days. Goods/service shall be delivered by the supplier in accordance with the terms and conditions specified in the contract failing which expenses of keeping goods at purchaser's premises may be levied on supplier.

ii) Delivery date will be calculated from the date goods/services are received in acceptable quality in accordance with technical specification.

26. Purchaser reserves the right to reject all or any of the Bidders or Bids or to decide to drop the procurement process at any stage without assigning any reason.

27. All safety and security of the workmen is the sole responsibility of the awarded firm itself and in case of any unwanted incidents India Government Mint, Kolkata authorities would not be liable under any circumstances.

28. Terms and Conditions:

Guidelines of SPMCIL Procurement Manual Version 2.0 will be applicable to this bid at any stage to avoid any conflict at later stage. Kindly refer GIT and GCC of SPMCIL Procurement Manual Version 2.0 for additional terms and conditions as per the links given below:

General Instruction to Tenderer (GIT): <https://spmciil.com/uploaddocument/GIT/new.pdf>

General Conditions of Contract (GCC): <https://spmciil.com/uploaddocument/GCC/new.pdf>

29. The bidder has to submit documents as per following Check list as given below along with the Technical bid documents without fail:

1	Entire Tender Document Duly Seal & Signed on every page including technical specification as an acceptance of all terms & conditions of the tender
2	Submitted the documents as per Qualification / Eligibility criteria as per Clause 14 of buyer added bid specific ATC (i) Proof of Experience (ii) Proof of Capability (iii) Financial data
3	Documentary evidence towards PAN & GST Registration Certificate
4	Submit filled, signed & sealed copy of Manufacturer's Authorization Form as per Annexure I attached in technical specification
5	Sealed & Signed Declaration (Annexure -II attached in technical specification)
6	Proof of EMD(scanned copy) as applicable or any exemption certificate
7	Documentary/undertaking against Make in India Status i.e. being a Class I/ Class II supplier with details of percentage

-

***FOR ANY OTHER QUERIES, FIRMS MAY CONTACT IN THE BELOW DETAILS:**

Ph. No. 033 - 2401 4132,33,34,35, (Extension 336/ 319/ 326);

Email: purchase.igmk@spmciil.com

9. Buyer Added Bid Specific ATC

Buyer uploaded ATC document [Click here to view the file.](#)

Disclaimer/अस्वीकरण

The additional terms and conditions have been incorporated by the Buyer after approval of the Competent Authority in Buyer Organization, whereby Buyer organization is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any eccentricity / restriction arising in the bidding process due to these ATCs and due to modification of technical specifications and / or terms and conditions governing the bid. Any clause(s) incorporated by the Buyer regarding following shall be treated as null and void and would not be considered as part of bid:-

1. Definition of Class I and Class II suppliers in the bid not in line with the extant Order / Office Memorandum issued by DPIIT in this regard.
2. Seeking EMD submission from bidder(s), including via Additional Terms & Conditions, in contravention to exemption provided to such sellers under GeM GTC.
3. Publishing Custom / BOQ bids for items for which regular GeM categories are available without any Category item bunched with it.
4. Creating BoQ bid for single item.
5. Mentioning specific Brand or Make or Model or Manufacturer or Dealer name.
6. Mandating submission of documents in physical form as a pre-requisite to qualify bidders.
7. Floating / creation of work contracts as Custom Bids in Services.
8. Seeking sample with bid or approval of samples during bid evaluation process.
9. Mandating foreign / international certifications even in case of existence of Indian Standards without specifying equivalent Indian Certification / standards.
10. Seeking experience from specific organization / department / institute only or from foreign / export experience.
11. Creating bid for items from irrelevant categories.
12. Incorporating any clause against the MSME policy and Preference to Make in India Policy.
13. Reference of conditions published on any external site or reference to external documents/clauses.
14. Asking for any Tender fee / Bid Participation fee / Auction fee in case of Bids / Forward Auction, as the case may be.

Further, if any seller has any objection/grievance against these additional clauses or otherwise on any aspect of this bid, they can raise their representation against the same by using the Representation window provided in the bid details field in Seller dashboard after logging in as a seller within 4 days of bid publication on GeM. Buyer is duty bound to reply to all such representations and would not be allowed to open bids if he fails to reply to such representations.

[This Bid is also governed by the General Terms and Conditions/ यह बिड सामान्य शर्तों के अंतर्गत भी शासित है](#)

In terms of GeM GTC clause 26 regarding Restrictions on procurement from a bidder of a country which shares a land border with India, any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the Competent Authority. While participating in bid, Bidder has to undertake compliance of this and any false declaration and non-compliance of this would be a ground for immediate termination of the contract and further legal action in accordance with the laws./जेम की सामान्य शर्तों के खंड 26 के संदर्भ में भारत के साथ भूमि सीमा साझा करने वाले देश के बिडर से खरीद पर प्रतिबंध के संबंध में भारत के साथ भूमि सीमा साझा करने वाले देश का कोई भी बिडर इस निविदा में बिड देने के लिए तभी पात्र होगा जब वह बिड देने वाला सक्षम प्राधिकारी के पास पंजीकृत हो। बिड में भाग लेते समय बिडर को इसका अनुपालन करना होगा और कोई भी गलत घोषणा किए जाने व इसका अनुपालन न करने पर अनुबंध को तत्काल समाप्त करने और कानून के अनुसार आगे की कानूनी कार्यवाई का आधार होगा।

---Thank You/धन्यवाद---

REPLACEMENT OF VMS OF CCTV SURVEILLANCE SYSTEM

1. SITC FOR UPGRADATION OF EXISTING CCTV SURVILLANCE SYSTEM INCLUDING SERVER, WORK STATION & VMS

Quantity : 1 Number

A. Preamble:-

India Government Mint, Kolkata ('IGM, Kolkata') a unit of SPMCIL is engaged in manufacture of circulation coins, commemorative coins, and medals. The Organization proposes for "UPGRADATION OF EXISTING CCTV SURVILLANCE SYSTEM in IGM, KOLKATA", This proposal includes fixing servers as per requirement, using existing/ new/ combination of existing and new infrastructure like OFC back bone, IT infrastructure supply ling of video Storage and replacing the existing IP based CCTV cameras . The design of IP CCTV system may consider OFC back bone, UTP cables and passive components and providing additional networking infrastructure wherever required or design completely independent IP CCTV system to fulfil scope of work and to ensure fast, stable, reliable and robust performance. The task would be executed by understanding the Company's scope of work for implementing the new solution by the System Integrator/OEM/OEM integrator including Design, Supply, Installation & commissioning on a turnkey basis, training of Company's officials, handing over etc.

B. Existing System Description

1. There are approx 92 Nos. IP Cameras installed at various locations.
2. These cameras are connected to Field switches.
3. Field switches are connected to Core switches through OFC backbone.
4. VMS server, recording servers, Core switches and NAS storage are installed at CCTV control room.
5. Recording of existing 92 cameras is stored at Existing NAS storage for 90 Days.
6. Live display of these IP Cameras is available at CCTV control room.

C. Scope of work:-

Scope of work shall include designing & integration of existing cameras , Supplying, Installation of new Servers, Workstations, Video Management Application and other related accessories to complete the infrastructure up gradation without disturbing the existing IP system functioning .

1. BOQ is only indicative and derived for Three Servers, Four Workstation & up gradation of existing Video Management Application using existing OFC back bone. The scope includes recording of all cameras {System shall be capable to cater 150 cameras} which must be displayed in client/ Workstation PC having respective applications running.

2. The objective shall be to provide high degree of digital video surveillance to the premise by upto 150 nos. IP (Internet Protocol) based cameras. The purpose is to monitor the entire area and to record, store

and retrieve the events, whenever required. It is also essential to have recorded video recording of all cameras to be stored for a minimum period of 90 days to facilitate investigations of a reported case or event and fail over server should keep 7 to 10 days storage.

3. The successful bidder has to provide complete support which includes servers, work station, existing storage (NAS), VMS, existing Layer 2/Layer 3 switches, existing network backbone & other related components to run the existing CCTV surveillance system smoothly.

4. Supplied VMS System shall able to perform with all the high-resolution camera (Minimum 150) continuous recordings for a period of minimum 90 days @ 20 FPS at 720p resolution or better quality using suitable compression techniques H.264/H.265 for all cameras. The Storage system shall be having minimum

a. Network Video Recording Server should configure with existing NAS Storage to retain the footages.

b. Minimum Throughput of each server shall have 1100 Mbps or better.

5. New/Existing all Storage, Server, Workstation and Video Panel will be installed in the existing CCTV control room.

6. System shall use video signals from various types of indoor/outdoor colour HD cameras (IP based) installed at different locations, process them for viewing on Workstations/Existing at Central Control room, local control rooms and simultaneously record all the cameras after compression using H.264 / H.265 Standard and streamed over the IP network at 720 P resolution with 25fps frame rate. The picture quality of recorded replay should be as clear as live video without any loss of frame. PTZ controllers/ Joy stick shall be used for Pan, Tilt, Zoom, and other functions of PTZ cameras.

7. All camera recordings shall have Camera ID & location/area of recording as well as date/time stamp shall be programmable by the system administrator with User ID & Password. Also, system must have provision to create multiple user ID in different levels (like Power User, Full Admin, Search Only, Live + Search, Live Only) with restricted access by providing selective privileges like live monitoring, recorded footage viewing, add / delete camera, configure and system administrator.

8. The live video, recording & replay should be smooth & continuous without any sluggishness.

9. System shall have the facility of Viewing, Recording & Replay, backup/ transmission and remote access simultaneously. The offered system shall have facility to export the desired portion of clipping (from a desired date/time to another desired date/time) on DVD or Pen drive. Viewing of this recording shall be possible on any standard PC using standard software like windows media player etc. Export file formats supported: .exe, .avi, .ps, .mov , Native file format.The VMS standalone player shall be able to authenticate that the video has not been tampered with using a keyed Hash Message Authentication Code.

10. All the workstations in LAN should be provided with software to view and control the cameras and retrieve the recorded video images from the Recording Server seamlessly. The IP CCTV system should be compatible to work in LAN environment for office networking of IP CCTV system.

11. The system should be designed in such a manner that operational data is not lost in case of any failure of equipment or communication network and shall design an effective network to provide 100% uptime for the entire link. CCTV recording System should have failover mechanism.

- 12.** It must be possible to remove one of the redundant systems for maintenance without interrupting operation and upon its reinstatement, automatically re-synchronize again without interruption to system operation.
- 13.** The proposed solution should be able to generate various standard/ customized reports for event analysis / reporting purposes.
- 14.** Network Video Recording Server shall have provision to showcase different analytics which are based on camera edge / server based.
- 15.** System should have facility to export in CSV/Excel/JPEG.
- 16.** The functional requirement is only indicative. The bidder shall quote the latest technology system available at the time of submitting the Bid. The bidder shall propose the most suitable economical integrated system solutions.
- 17.** Latest revision of all applicable IE rules and other regulations shall be followed and comply with all the Safety statutory requirements while executing this work.
- 18.** The CCTV Servers should have the capacity of functioning 24x7 days in Indian Conditions and should provide the failure over condition.
- 19.** The bidder should have registered office in India.
- 20.** The bidder will have to provide all software updates, releases, Version upgrades, New Versions etc. within 30 days of their availability at no additional cost during the perpetual licence period.
- 21.** All the existing device like CCTV Cameras, Active & Passive Network Components, Existing NAS Box, Display Units and all other old CCTV related accessories will come under client scope and bidder will not responsible for any hardware failure but bidder has to provide the support to make the system up without any delay from the bidder side.
- 22.** The OEM of major items (like Camera Servers, Workstation. Video Management Servers, switches etc.) its sister concerns, or any of its group company or Subsidiary should not have been blacklisted in last 10 years by any Ministry under Government of India or by Government of any State in India or any of the Government PSUs as on tender floating date.
- 23.** The Source Code of Video Management software should not reside in any country sharing land border with India. Undertaking signed by authorized signatory regarding the Source Code.
- 24.** In order to optimize the memory, while recording, video shall be compressed using H.264 / H.265 standard and streamed over the IP network.
- 25.** All Software Licenses should be in the name of INDIA GOVERNMENT MINT.
- 26.** Design, Supply, Installation & commissioning of Recording / Camera Servers & failover server shall have capacity to manage the entire surveillance system.

27. The Recording servers shall be able to support all cameras at 25 frames per seconds and 720P resolution while maintaining less than 70% load on each Network Video Recording Server.

28. The system shall be based on the latest in software programming technology. The software should be compatible with Windows Operating Systems (Windows 10/ Linux Ubuntu /Windows Server 2022 or later versions) and should be user friendly. The system shall allow operation with PC via client module.

29. Uptime Calculation: Complete IP CCTV system as a unit uptime is required to be maintained at 100%.(Failure of Total recording and viewing considered as IP CCTV system down), component levels dealt by Severity levels.

30. Individual component failures without affecting the Whole system of video viewing and recording will be as per the severity levels defined below

(i) Severe (S1): Calls that can have severe impact on business affecting IP CCTV system at large, without loss of view and whole IP CCTV system data Loss, falls under this category. E.g. – NAS Storage not available (but data available at NVRs), L3 switch issues (Stand/ by L3 switch must take over), NVR down (But direct recording in SAN and viewing continues) etc.

(ii) Essential (S2): Calls that can have essential impact on the IP CCTV system affecting individual component or service, but do not impact IP CCTV functioning and loss of video data as a whole system, and have partial loss of viewing or recording a particular section/area fall under this category. E.g. – OS/ application functioning, OFC network issues, Redundant Server issues, L2 switch issues, Virus, Hard disk crashes etc.,

(iii) Normal (S3): Calls that do not have much impact on the IP CCTV system as a whole but one or more low level components failure that result in partial loss of recording/ viewing for a specific camera or view fall under this category. E.g. – IP camera issues, L1 switch cat6 cable issues etc.

TABLE - 01 (Service Classification)

Severity Level	Response Time(time within which the Contractor should Respond)	Resolution Time(Time within which the Contractor should bring the service back to normal working condition)	Quarterly Uptime Commitment in percentage	At any point of time, the below quarterly uptime commitment should be maintained
S1	1 hour	4 hours	99.50%	99%
S2	1 hour	4 hours	95.0%	95%
S3	4 hours	16 hours	95.0%	95%

Table - 02 (Service Window)

Severity Level	Service Window in Hours	No. of days to be taken for calculation of availability
S1	24	No. of working days (Including Sundays)
S2	18	No. of working days
S3	18	No. of working days

Table - 03 (Working Hours)

Day	Service Timings	Mode of Delivery	Severity Level
Monday To Saturday	00:01 hrs to 24:00 hrs (24 hrs.)	On-site requirement between 6:00 hrs to 24:00hrs and should attend to any other calls on need basis during this service window	S1

Penalty Clause:- An amount of Rs.400/- per camera per day will be penalized to vendor for non functioning of surveillance system. However, no penalty will be imposed if the failure is on account of India Government Mint, Kolkata Side.

3. OTHER REQUIREMENTS

a) Supply, Installation and commissioning: Supply, Installation, commissioning and proving of performance to be carried out by the supplier at India Government Mint, Kolkata site within stipulated period to the satisfaction of INDIA GOVERNMENT MINT.

b) Spares and Service Support: Supplier shall attend periodical and breakdown maintenance of the system during the warranty period without any additional cost. Also, the bidder shall ensure spare support for minimum of Eight years from the FAC date. Non availability of spares/standby units/components will not be accepted as a reason for waiving of penalty towards delay in rendering prompt service. For ensuring prompt service, minimum required spares/standby units shall be maintained at site during warranty period. After use of any such spare unit/cards etc., the same shall be replenished at the earliest.

c) Software License: All Software (operating/application) Licenses for lifetime should be in the name of INDIA GOVERNMENT MINT, Kolkata and shall be upgraded at free of cost as & when new versions are released.

d) Training to user: Bidder shall impart proper training to the users and technical team for trouble free operation and maintenance of the system.

e) Bidder should have at least one or more certified Video Management Server Engineer.

f) Tools and Tackles: All tools & tackles, equipment and other required facilities for un-loading, shifting of equipment to the workplace and erection & commissioning of the system shall be arranged by the contractor.

g) The bidder must provide a valid certificate of authorization (MAF) for providing after sales service for all the Third-Party Equipment / Systems supplied from the OEM. The certificate should be in the letter head of OEM issued on the name of bidder and currently valid.

Manufacturer Authorisation (MAF) for software, server and workstation is a must to accompany the bid document.

h) Modifications: Bidder shall agree for any minor modifications in system up-gradation (without having any additional financial implications) to match with specific requirement of INDIA GOVERNMENT MINT, Kolkata.

i) OEM of VMS should not have any type control in VMS software.

4. Final Acceptance Test (FAT) and Final Acceptance Certificate (FAC)

The Upgraded system shall be tested for 15 days in real working environment and Final Acceptance Certificate (FAC) will be issued based on satisfactory performance during FAT.

FAT shall include but not restrict to the following tests:

- 1)** Testing of failover of Recording Servers.
- 2)** Testing of hard disc failure in Raid 5/6 Configuration of storage.
- 3)** Checking of recording, playback & other various features randomly
- 4)** Checking of recording, replay video quality, Frame rate etc. to ensure smooth & continuous video without any jerks.
- 5)** Checking of all software server & client has been installed correctly & running without any bug/error.
- 6)** Testing of the functionality of the VMS features including Recording, retrieval of recordings etc,
- 7)** Testing of Camera edge recording during failure of Network/camera servers etc.
- 8)** Any other test necessary / relevant for full functioning of the system.

Video Management Software

SITC of Existing VMS Up gradation- 1 Set (Up gradation of existing with additional 15 license)

A. General

1.The Video Management System shall be a fully distributed solution, designed for limitless multi-site and multiple server installations requiring 24/7 surveillance with support for devices from different vendors. The Video Management System shall offer centralized management of all devices, servers and users and must empower a flexible rule-based system driven by schedules and events.

2.VMS shall support IP cameras (all the features & functionalities) from at least thirty (50) major camera brands with API level Integration. Documentary evidence having make detail should be mandatorily submitted.

3.The VMS application shall support all the features & functionalities of the offered cameras. Documentary proof should be submitted for same.

4.The offered VMS should have integration with 10000+ camera models at API level. Documentary evidence having camera make and model detail should be mandatorily submitted.

5.VMS shall have API based integration with the major camera vendors in order to support features such as, up to 3 Multi-streams, SD Card storage sync, Camera based Edge Analytics support, Camera I/O support, Camera Audio support

6.To ensure openness, VMS, cameras and VA should not be from the same manufacturer but should be tightly integrated on API level.

7.VMS shall support installation and ability to run on virtualized windows servers

8.VMS manufacturer shall provide their SDK (or any other integration means) libraries and documentation) to ensure a seamless integration with any other system

9.VMS shall be open to any standard storage technologies integration.

10.VMS shall be open to any video wall system integration.

11.VMS should have the possibility to integrate third party Video Analytics systems.

12.VMS should consist of only Base license and Channel Licenses. VMS should be provided with unlimited number of Failover Servers and Failover Camera Licenses.

13.The system shall act as an SNMP agent which can generate an SNMP trap as a result of rule activation in addition to other existing rule actions.

14.The system shall be able to utilize Microsoft Windows SNMP Service for triggering of SNMP traps

15.The VMS should have the feature to record client workstation screens for monitoring & to provide an account of fraudulent activities by capturing screen recordings of activities/transactions.

16.The VMS should be mandatory provided with 100 number of Client Licenses. In case of additional Licenses required it must be free of cost.

17.The VMS should have the feature of privacy masking to conceals certain parts of the image, both in live and playback video and in exported material. It supports permanent masks and liftable masks that can be lifted and managed with user credentials. Masking level is adjustable and ranges between 'light blur' to 'solid grey'

18.The VMS should support video data grooming feature to enables reduction of video recording data size by reducing the frame rate of the video data.

19.VMS should support Scalable Video Quality Recording to record high-quality video to edge storage, while a low-quality reference video stream can be recorded centrally in the recording servers

20.The VMS system shall be a scalable client – server architecture built using well known operating systems

21.The VMS system shall enable recording to be done at the aggregation sites and shall allow the local Control center to import selected video's on demand.

22.Aggregation site types shall be categorized according to function and size as per the table below.

23.To facilitate the VMS system architecture, the BIDDER shall ensure that sufficient capacity is designed into the data communications & telecommunications infrastructure to deliver the required functionality, along with the ability to allocate and reserve resources (including bandwidth).

24.The Recording server shall have the ability to handle Video Motion detection on Nvidia GPU to optimize the server requirement.

25.The VMS data communications and telecommunications network shall use a suitable transport medium and associated cabling and data transmission infrastructure that will support real-time video display of cameras at the nominated operations centers. The type of transmission network shall be determined by the BIDDER.

26.The VMS system shall be compatible to single and multiple processor servers. The server processor & hardware shall be optimized in all cases.

27.The VMS system shall cluster the processing & memory load across several machines. The failure of any one server in the solution shall not cause a failure in the entire system.

28.The VMS system device drivers shall be stored separately to the central core application to ensure any instability in 3rd party SDKs do not affect the core application.

29.The VMS management server shall be able to intelligently scan an IP network for new devices (cameras or servers) along with automatic model detection.

30.Network infrastructure and installation are the responsibility of the Bidder. Network components both active and required for the successful implementation of the video surveillance detailed in this tender shall be provided by the Bidder. The network infrastructure shall meet the streaming requirement of the project without any bottlenecks. The network infrastructure shall support UDP multicast, UDP unicast and TCP transmission.

31.The VMS system shall provide an integrated secure, scalable and easily accessible software-based solution for the management of the existing & future physical security infrastructure

32.The VMS system shall provide a powerful and efficient management interface for all the security systems across all monitored sites.

33.The Video Management System shall be a fully distributed solution, designed for limitless multi-site and multiple server installations requiring 24/7 surveillance with support for devices from different vendors. The Video Management System shall offer centralized management of all devices, servers and users and must empower a flexible rule-based system driven by schedules and events.

34.The Video Management System shall contain recording servers used for recording video feeds and for communicating with cameras and other devices. The recording servers shall process the recordings and playback the video streams.

35.The Video Management System shall include a federated architecture allowing clients on the host system with the right user rights to view video sources belonging to multiple independent Video Management Systems simultaneously, as if they were on The Video Management System shall contain a management server that shall be the central manager of the system and control recording servers, cameras, devices and users. The management server shall handle the initial client login, system configuration and logging.

36.The management server shall allow access to a system manager from where the administrator can configure and manage all servers, cameras and users.

37.The system shall allow the management server to be installed on multiple servers within a cluster of servers ensuring that another server in the cluster automatically takes over in case the first server fails.

38.VMS should have the capability to integrate with 3rd party Access Control Systems.

39.The Video Management System shall support installation and ability to run on virtualized Windows servers.

40.The VMS system shall support Device firmware upgrade of single and multiple devices in bulk from within the Management Interface

41.The Video Management System shall allow an unlimited number of cameras to be connected to each recording server and an unlimited number of recording servers to be connected to each management server across multiple sites, if required.

42.The Video Management System shall support high availability of recording servers. A failover option shall provide standby support for recording servers with automatic synchronization to ensure maximum uptime and minimum risk of lost data.

43.The Video Management System shall support a versatile rule system including scheduled or event-driven actions with numerous options including support to time profiles.

44. The Video Management System shall support Microsoft Windows 7, Microsoft Windows Server 2008 R2 STD or higher, Microsoft Windows Server 2012 R2 STD or higher, Microsoft Windows 8.1 (Business/Enterprise/Ultimate) and Microsoft Windows 10 (Business/Enterprise/Ultimate) with the latest patches and service packs installed. The system must use DirectX and .NET Framework.

45.VMS should be Full Member of ONVIF or Affiliate to Parent Company or Contributing membership level

46.FIPS 140-2 compliant mode: The VMS has the ability to operate in a FIPS 140-2 compliant mode.

47.VMS OEM must be GDPR compliant

48.The Video Management System software shall include multicast and multi-streaming support.

49.The Video Management System shall include automatic camera discovery.

50.The Video Management System shall support archiving for optimizing recorded data storage through unique data storage solutions by combining performance and scalability with cost efficient long-term video storage.

51.The Video Management System shall incorporate fully integrated matrix functionality for distributed viewing of any camera in the system from any computer with the client viewer.

52.The Video Management System shall incorporate intuitive map functions allowing for multilayered map environment. The map functionality shall allow for the interactive control of the complete surveillance system, at-a-glance overview of system integrity, and seamless drag-and-drop integration with video wall module option.

53.The Video Management System shall support 56-bit encryption of video for export purposes. The 56-bit encryption shall meet the requirements on export limits for encryption.

54.The Video Management System shall support full two-way audio between clients and remote devices. Two-way audio integration shall support the following features and functions:

55.The Video Management System software shall provide fast evidence export by exporting in video to various formats, including video from multiple cameras in encrypted native database format with an included viewer.

56.The Video Management System shall show full awareness of the system through audit logs and shows user activity through comprehensive logs.

57.The Video Management System shall include support for a frame work data module designed to integrate multiple third party Video Content Analysis (VCA) solutions seamlessly into client viewer environments.

58.OEM of VMS must have integrated minimum 10000 camera models of variety camera OEM at SDK level. Documentary evidence need to be submitted along with the bid.

59.OEM of camera and VMS must have supplied and executed min. 1000 IP CCTV Camera and 1000 IP camera license in any CCTV surveillance system project (Either directly by OEM or SI) to any state / central govt / PSU / Judiciary / or any govt. institution in last 05 years ending on the tender floating date.

60.To ensure openness VMS should not be from the OEM of CCTV camera and OEM of Video Analytics

61.The Video Management System shall include a Software Development Kit (SDK) that offers important capabilities for integrating the Video Management System with third party software and applications.

62.The Video Management System shall include a stand-alone viewer application to be included with video exported from the client viewer application. The viewer application shall allow recipients of the

video to browse and playback the exported video without installing separate software on their computers.

63.The Video Management System shall include support for Active Directory to allow users to be added to the system. Use of Active Directory requires that a server running Active Directory, acting as a domain controller, to be available on the network.

64.The Video Management System shall be designed to support each component on the same computer for efficiency in smaller systems, or each component on separate systems for large system deployments.

65.VMS should support ONVIF S, G, T, Q & M Profile supported by IP Devices

66.The VMS software must be possible to integrate with NVRs

67.Video Recording Server should support Recording at different resolution for the same camera enabling to record one stream at Higher resolution at local station for 30 days and the other at minimum resolution of 800 X 600 which will be archived to central storage for predefined days. Bidder shall have option to consider more than one server per station to achieve the same.

68.OEM of VMS should be in the manufacturing for minimum 15 years globally. Bidder to submit OEM undertaking.

69. OEM of VMS should have Service Centre Support in India from minimum last 7 years.

70.Video Recording Server should support archiving minimum resolution of 800 X 600 video to Central Unified storage at scheduled hours. Archiving should resume automatically after any disconnection in the WAN link between station and central location.

71.Archived Recordings for predefined days should be deleted automatically after retention period from the central storage as per FIFO policy.

72.In case of non-availability of WAN link, Video recording Server shall save minimum resolution of 800 X 600 data internal to server for up to 7 days to avoid data loss, once the link is established the archiving should happen completely.

A. Edge storage

1.Edge storage shall secure that when a lost or broken connection is back up, the data stored on the camera's internal storage shall be retrieved and stored in the media database.

2.Edge storage shall secure that after recovery from a malfunction it shall be possible to play back and view the video, and audio recorded by the device, while the malfunction persisted

B: Bookmarking

1. A bookmarking feature shall be included in the Video Management System, allowing the client viewer users to mark incidents on live and/or playback video streams.

Optimized Video Archiving

C: Optimized Video Archiving

1. Administrators shall be able to select a storage container for each device and move a device from one storage container to another or move all recordings inclusive archives to the new storage container, or delete them all.
2. Administrators shall be provided with an overview of the defined storage containers, their archives with path, and free and used space on the drives for each device, including the used storage space in the recording database, and in archives.
3. Video management software shall also have ability to optimize bandwidth requirement on cloud based storage solution by Recording at local site recording server for at least 24 hours and archive to cloud on schedule basis from different recording servers at different time profile in order to utilize minimum bandwidth.

D. Failover Support

1. The system shall support automatic failover for recording servers. This functionality must be accomplished by a failover server that shall work as a standby unit, which takes over in the event that one of a group of designated recording servers fails. Recordings shall be synchronized back to the original recording server once it is back online.
2. The system shall support multiple failover servers for a group of recording servers.
3. The system shall provide monitoring of all failover servers from the graphical alarm management module.
4. The system shall provide seamless access to recordings on the failover Server for all clients through the same client views once the services are fully started.

E. Multicast Support

1. The system shall support multicasting of video feeds to client workstations in order to conserve network resources. Multicasting should be enabled from the recording servers and not directly from the cameras. Thus the IGMP network would be necessary only for the switches where server and clients are connected.
2. Multicasting shall send a single stream of video to multiple clients, where the stream may be decoded and displayed on all clients simultaneously. This functionality shall support virtual matrix configurations.
3. The infrastructure provided for the system shall support Internet Group Management Protocol (IGMP) for each remote network.
4. The system shall automatically switch to unicast, if the client fails to connect to the multicast stream.

F. Multi-streaming Support

1. The recording server must accept, display and record individual streams of video from each camera that supports it, for example, display a stream in H.264 format and record another stream in MPEG4 format. The intent of this functionality shall be providing independent streams of video from the camera to the server with different resolution, encoding and frame rate.
2. Multi-streaming support shall allow the system to be configured with H.264 with a high frame rate for live viewing and shall allow the system to be configured with high resolution H.264 at low frame rates for recording and playback.
3. The system shall allow recorded video to be recorded at 8fps.

G.SNMP Support

1. The system shall act as an SNMP agent which can generate an SNMP trap as a result of rule activation in addition to other existing rule actions.
2. The system shall be able to utilize Microsoft Windows SNMP Service for triggering of SNMP traps.

H.NAT Firewall Support

1. The system shall support port forwarding, which must allow clients from outside of a Network Address Translation (NAT) firewall to connect to recording servers without using a VPN.
2. Each recording server shall be mapped to a specific port and this port must be forwarded through the firewall to the recording server's internal IP address.

I. Management Server Redundancy

1. The management server shall provide a resilient system solution based on Windows Server Clustering and Native, to secure maximum uptime.

J. Centralized Search

1. The system shall have dedicated tab for searching recording sequences, bookmarks, events, motion, alarms. These Search categories can be combined, also with third party search agent plugins. Save search templates. Visualize location of Search result. Integrates with technology partner solutions

K. Motion Detection

1. The system should have built-in, real-time, camera-independent motion detection with the ability to generate motion metadata for Smart Search.
2. The system should also support motion-based recording feature.

L. Alarms Support

1. The alarm support shall allow for continuous monitoring of the operational status and event-triggered alarms from servers, cameras and other devices.

2. The alarm support shall provide a real-time overview of alarm status, or technical problems, while allowing for immediate visual verification and troubleshooting.

M. Matrix Functionality

1. The system shall include an integrated matrix solution for distributing video to any computer with the client viewer installed. A computer on which the matrix-triggered images can be shown must be known as a matrix recipient.

2. The client viewer shall provide remote users with a comprehensive suite of features:

3. It shall be possible to view live video from cameras on the surveillance system from 1 to 100 per view.

4. It shall be possible to playback recordings from cameras on the surveillance system, with a selection of advanced navigation tools, including an intuitive timeline browser.

5. It shall be possible to create and switch between an unlimited number of views, each able to display video from up to 100 cameras from multiple servers at a time. The system shall allow views to be created which are only accessible to the user, or to groups of users based on 37 different layouts optimized for 4:3, 4:3 Portrait, 16:9 and 16:9 Portrait display ratios.

6. It shall be possible to access views of cameras on any PC with a client viewer application installed.

7. It shall be possible to use multiple screens as well as floating windows for displaying different views simultaneously.

8. It shall be possible to quickly substituting one, or more of a view's cameras with other cameras.

9. It shall be possible to view images from several cameras in sequence in a single camera position in a view – a so called carousel.

10. It shall be possible to view video from selected cameras in greater magnification and/or higher quality in a designated hotspot.

11. It shall be possible to receive and send video through the matrix functionality.

12. It shall be possible to include HTML pages and static images (for example, maps, or photos) in views.

13. It shall be possible to control PTZ cameras.

14. It shall be possible to use digital zoom on live as well as recorded video.

15. It shall be possible to activate manually triggered events.

16. It shall be possible to activate external outputs (e. g. lights and sirens).

17. It shall be possible to use sound notifications for attracting attention to detected motion.

- 18.** It shall be possible to get quick overview of sequences with detected motion.
- 19.** It shall be possible to get quick overviews of alerts.
- 20.** It shall be possible to quickly search selected areas of video recording for motion.
- 21.** It shall be possible to skip gaps during playback of recordings.
- 22.** It shall be possible to configure and use several different joysticks.
- 23.** It shall be possible to print images, with optional comments.
- 24.** It shall be possible to copy images for subsequent pasting into word processors, email, etc.
- 25.** It shall be possible to export recording (for example, for use as evidence) in AVI, JPEG and database formats.
- 26.** It shall be possible to use pre-configured as well as customizable keyboard shortcuts to speed up common actions.
- 27.** It shall be possible to insert overlay buttons, for example, for activation of speakers, events, outputs, movement of cameras etc.
- 28.** It shall be possible to use a sequence function that lists thumbnail images representing recorded sequences from an individual camera or all cameras in a view.
- 29.** It shall be possible to use a forced playback mode allowing the user to playback recorded video from inside the 'live' mode while viewing 'live' video.
- 30.** The client viewer shall support the use of 3-axis USB joysticks for control of pan, tilt, zoom and auxiliary camera functions.
- 31.** The client should support multiple languages including English & Hindi language
- 32.** The client viewer shall support the use of multimedia control devices, which are capable of emulating keystrokes, for the efficient review of recorded video.
- 33.** The client viewer shall support the use of keyboard shortcuts for control of standard features. It shall allow the user to program numerical keyboard shortcuts for camera views. The shortcut number shall be displayed with the view description in the live and playback displays. The shortcut shall allow the user to change views with 2 to 3 keyboard entries.
- 34.** The client viewer shall support GPU based video decoding to improve video rendering performance and up to 75% reduction in CPU load of the workstation running Client software. The use of GPU based video rendering shall also make client ready for 4K/UHD camera technology.
- 35.** VMS System should Support to Manage device password on one or multiple devices from within the VMS Client

36. The client viewer shall have the capability to receive multicast streams. The client viewer shall have the capability to detect if the network becomes unreliable and to automatically switch to unicast to ensure that the operator is able to receive video.

37. The operator shall have the ability to use digital zoom where the zooming is performed in the image only on any number of cameras simultaneously. This functionality shall be the default for fixed cameras. The use of digital zoom shall have no affect on recording, or other users.

N. Map Functions

1. Built-in map function in the client viewer shall provide an intuitive overview of the system and shall offer integrated access to all system components.

2. Map function shall be able to use standard graphical file formats including: jpg, gif, png, tif, etc.

3. It shall be possible to use any number of layered maps, and it shall be possible to easily drag-and-drop and point-and-click definition of cameras, servers, microphones, speakers, I/O devices, hot-zones, and PTZ camera presets.

4. Hot zones shall be allowed for intuitive navigation between different map levels.

5. Map function shall support instant camera preview when moving the mouse pointer over a specific camera.

6. Map function shall support central overview of the surveillance system via an alarm list containing alarm indicators of high, medium or low prioritized alarms. Furthermore the alarms shall be categorized by the following states; new, in progress, on hold, or closed. Alarms must be possible to acknowledge by right-clicking elements on maps.

O. Remote Client Viewer

1. The web-based remote client viewer shall offer live view of up to 16 cameras, including PTZ control with joystick, fisheye (360 degrees) cameras and event/output activation. The playback function shall give the user concurrent playback of up to 16 recorded videos with date, alert sequence, or time searching.

2. The web-based remote client viewer shall offer quick overviews of sequences with detected motion.

3. The web-based remote client viewer shall be able to generate and export evidence in AVI (movie clip) and JPG (still image) formats.

4. The system shall support the use of separate networks, VLANs, or switches for connecting the cameras to the recording servers providing physical network separation from the clients and facilitate the use of static IP addresses for the devices.

5. The system shall support H.264,H.265, MPEG-4 (Part 2), MPEG-4 ASP, MxPEG, and MJPEG compression formats for all analog cameras connected to encoders, and all IP cameras connected to the system.

6. The system shall support dual-streaming cameras and shall cover the following compression formats: H.264, MPEG-4 (Part 2) and MJPEG.

7. The recording server shall utilize high performance ISCSI, SCSI, SAS and SSD disk drives for online recording storage and shall allow the use of lower cost SATA drives for the RAID arrays for online archive storage. Use of online archiving shall ensure that data always is readily available. Use of tape-backup systems shall not be acceptable.

8. The system shall allow the frame rate, bit rate and resolution of each camera to be configured independently for recording. The system shall allow the user to configure groups of cameras with the same frame rate, bit rate and resolution for efficient set-up of multiple cameras simultaneously.

9. The recording server(s) shall have the ability to support multiple Network Interface Cards (NIC) and shall support connection to the cameras on a network separate from the client viewer, management server and system manager.

10. The recording server shall have the ability to accept the full frame rate supplied by the cameras, while recording a lower frame rate yet still shall make the higher frame rate available to the clients for live viewing.

11. The VMS should be mandatory provided with unlimited number of Client Licenses. In case of additional Licenses required, extra cost needs to be considered.

12. 3rd Party System Integration

13. Access Control should be integrated thru VMS Access Control Module or thru SDK/API integration.

14. FAS System to be integrated thru API/SDK or thru Bacnet Over IP Protocol Plugin with VMS

15. BMS System to be integrated thru API/SDK or thru Bacnet Over IP Protocol Plugin with VMS

16. VMS manufacturer shall provide their SDK without any additional charges (or any other integration means) libraries and documentation) to ensure a seamless integration with any other system.

P. Remote Mobile App

1. Integrated Mobile Application to monitor overall CCTV system and for required coordination during emergency

2. Mobile Client support Native mobile app for smartphone or tablet users, for easy access to live and playback of cameras, and to activate system events and outputs. Additionally, for use as a remote recording device by using the mobile device's built-in camera, whereby video from the device's camera is streamed back to the VMS and recorded like a standard camera.

3. Support Smart Connect: Easy configuration of internet access to the mobile server by automatic configuration of firewalls and internet routers via UPnP, with verification of configuration and operation of internet connection, with option to email connection details to mobile client users. Includes automatic mobile server on LAN via UPnP.

4. Shall support Android as well as Apple IOS software, with respective smart phones
5. Provide mobile client capability for mobile device users to use their mobile device cameras as cameras in the VMS

Supplying of Server

1. 2 x Intel Xeon Silver (3rd Gen., 2.8GHz, 8Core) Processor. Dual Processor scalable
2. 1 x 32GB RDIMM, 3200MT/s, Dual Rank (16 DIMM Slots supports up to 1TB)
3. 2 x 480GB SSD SATA Read Intensive 6Gbps 512 2.5in Hot-plug AG Drive, 1 DWPD (Front drive bays: Up to 8 x 3.5" SAS/SATA HDD max 168TB)
4. In-Built PERC H755 SAS Front RAID controller.
5. On-Board Broadcom 5720 Quad Port 1GB LOM
6. No DVD Writer
7. IDRAC9, Enterprise 15G
8. 1 x Dual, Hot-plug, PSU (1+1), 1400, Mixed Mode
9. Warranty: 3 years
10. No Keyboard, No Mouse, No Monitor
11. MS Windows Server Standard 2022

Technical Specification of Workstation

1. Intel Core I7-11700 or better
2. 32 GB RAM
3. 256GB SSD
4. 1 TB SATA
5. Windows 10 Pro or latest
6. Nvidia 4GB T400 graphics
7. No Keyboard, No Mouse, No Monitor
8. Warranty: 3 years
9. Recommended makes:-HP/ Dell / Lenovo/HCL or equivalent

2. Onsite Manpower Deployment

Quantity : 12 Months

1. Providing one number of resident engineer on day-to-day basis as per normal working hours of India Govt. Mint Kolkata to ensure shorter downtime and to avoid system failure. The engineer may also be available as per any emergency situation related to system breakdown. All manpower related statutory obligation will be the responsibility of the vendor and India Govt. Mint will not be responsible in any manner.

2. Any other work assign by India Govt. Mint Kolkata.

3. Engineer has to submit the downtime report of CCTV camera on daily basis to India Govt. Mint, Kolkata.

Manufacturer's Authorization Form

To
India Government Mint, Kolkata

A unit of Security Printing & Minting

Corporation of India Limited

(Wholly owned by Govt. of India)

Ref. Your Tender document No....., dated

Dear Sirs,

We,, who are proven and reputable manufacturers of
..... (*name and description of the goods offered in the tender*) having factories
at....., hereby authorize
Messrs..... (*name and address of the agent*) to submit a tender,
process the same further and enter into a contract with you against your requirement as contained in the
above referred tender enquiry documents for the above goods manufactured by us.

We further confirm that no supplier or firm or individual other than
Messrs..... (*name and address of the above agent*) is authorized to submit a tender,
process the same further and enter into a contract with you against your requirement as contained in the
above referred tender enquiry documents for the above goods manufactured by us.

We also hereby extend our full warranty, as applicable as per clause 16 of the General Conditions of
Contract read with modification, if any, in the Special Conditions of Contract for the goods and services
offered for supply by the above firm against this tender document.

Yours faithfully,

.....
.....

[Signature with date, name, and designation]

for and on behalf of Messrs.....

[Name & address of the manufacturers]

Note: This letter of authorization should be on the letter head of the manufacturing firm and should be signed by a person competent and having the power of attorney to legally bind the manufacturer.

ANNEXURE - II

**GeM Bid Document No. :dated.
(To be submitted on the letter head of the bidder)**

DECLARATION

We do hereby declare that,

1. We have not been blacklisted/ debarred by BNPMIPL/BRBNMPL/SPMCIL or any Govt. Departments for participation in tenders. The information provided above is correct and true to the best of my knowledge and belief.
2. We do hereby declare that we have read and understood all terms and conditions of tender document including Technical Specification, Quality Control Criteria and Buyer added ATC and confirm to abide to those conditions without any counter conditions.
3. "We are accepting all the terms and conditions of the tender document without any deviations"
4. We do accept all the terms and conditions of GIT & GCC link given in buyer added bid specific ATC without any deviation.

Signature

Name

Designation

Date

Stamp of the Organization

CHECK LIST

Before Submission of Tender following points to be confirmed/complied by the participating bidder to avoid rejection of bid. Hence check every point & tick (✓) before final submission.

A.Part I : (Techno Commercial Bid cover)

Sl. No.	Tender Submission Check Points (To be complied by bidder before submission of Bid)	Check before submission Tick (✓)
1	Tender Document Duly Seal & Signed on every page including technical specification	
2	Term of Delivery : FOR, India Govt. Mint, Kolkata duly unloaded	
3	Tender Validity 120 days as per the tender	
4	Technical Specification – as per tender	
5	Submitted the documents as per Qualification / Eligibility criteria (i)Proof of Experience (ii) Proof of Capability (iii) Financial data	
6	Delivery Period : Acceptance of delivery period as per buyer added ATC	
7	Documentary evidence towards PAN & GST Registration Certificate	
8	Sealed & Signed Declaration (Annexure –II attached in technical specification)	
9	Proof of EMD(scanned copy) as applicable or any exemption certificate	
10	The firms participating as MSE/NSIC/DIC/Start-up India Campaign, needs to enclosed certificates containing validity	
11	Category of MSME Firms	
	SC	
	ST	
	GEN	
12	Owner of Company	
	Male	
	Female	
13	Documentary/undertaking against Make in India Status i.e. being a Class I/ Class II supplier with details of percentage	
14	All supporting documents submitted along with bid to be sealed and signed by Authorized signatory of the firm	
15	Submit filled, signed & sealed copy of Manufacturer's Authorization Form as per Annexure I attached in technical specification	

B. Part II : (Price Bid Cover)

Sl. No.	Description	Submitted/ Not Submitted
1	Price Bid (Price including all taxes & other charges), GST percentage to be mentioned mandatorily in the price bid, upload copy of the Price Details in Price Bid mentioning all the breakup of price as per price schedule attached at the end of bid document	

- Price to be mentioned only in price bid not in Techno commercial bid or any other place. If it is mentioned any other part other than price bid, the offer will be rejected.

PRICE SCHEDULE

1. SITC for Upgrading Existing CCTV System (As details mentioned in Technical Specifications)

Quantity: 1 No.

Basic Price/ 1 No. :

Other Charges (If any) :

GST/ 1 No:

Total Price for 1 No on CIF basis at India Government Mint, Kolkata:

Total Price for 1 No on CIF basis at India Government Mint, Kolkata in words:

2. Onsite Manpower Deployment (As details mentioned in Technical Specifications)

Quantity: 12 Months

Basic Price/ 1 Month :

Other Charges (If any) :

GST/ 1 Month:

Total Price for 1 Month:

Total Price for 12 Months:

Total Price for 12 Months on CIF basis at India Government Mint, Kolkata:

Total Price for 12 Months on CIF basis at India Government Mint, Kolkata in words:

Total Price for Item no. 1 & 2 :

Total Price for Item no. 1 & 2 in Words :

Abbreviation "CIF" Cost, Insurance and Freight Included, "IGM" India Govt. Mint,

NOTE :

1. Bidder to furnish stipulated documents along with tender in support of fulfillment of tender criteria. Further correspondence in this regard will not be entertained for any reason. Non-submission or incomplete submission of documents may lead to rejection of offer.

2. L1 firm will be declared from valid offers only those who submitted offer as per specification & as per all terms & condition of the tender. If there is any deviation in specification & if the offer is not found as per terms & condition of the tender, their offer will be treated as invalid/unresponsive offer.

3. Price to be mentioned only in price bid not in Techno commercial bid or any other place. If it is mentioned any other part other than price bid, the offer will be rejected.