

बिड दस्तावेज़ / Bid Document

बिड विवरण/Bid Details	
बिड बंद होने की तारीख/समय /Bid End Date/Time	21-09-2026 21:00:00
बिड खुलने की तारीख/समय /Bid Opening Date/Time	22-09-2026 21:00:00
बिड पेशकश वैधता (बंद होने की तारीख से)/Bid Offer Validity (From End Date)	180 (Days)
मंत्रालय/राज्य का नाम/Ministry/State Name	Uttar Pradesh
विभाग का नाम/Department Name	Home Department Uttar Pradesh
संगठन का नाम/Organisation Name	Police Department
कार्यालय का नाम/Office Name	Security Department
शिकायत निवारण के संपर्क विवरण/ Contact details of Grievance redressal	HOD Email id :adgsecurity@nic.in Buyer Email id: buycon1.mha.lucknow@gembuyer.in
कुल मात्रा/Total Quantity	40
वस्तु श्रेणी /Item Category	Tethered Drone With Genset
GeMARPTS में खोजी गई स्ट्रिंग्स / Searched Strings used in GeMARPTS	TETHERED DRONE
GeMARPTS में खोजा गया परिणाम / Searched Result generated in GeMARPTS	Tethered UAV System with Digital VHF Repeater as per MHA QR, Anti Drone Gun as per MHA QR, Unmanned Aerial Vehicle / Drones for Agricultural Purposes (V3), Surveillance Drone / Unmanned Aerial Vehicle (V2) (Defence Forces - Navy, Army and Air Force), Surveillance Drone / Unmanned Aerial Vehicle (V2), Drone or Unmanned Aerial Vehicle with Customized Payload (Defence Forces - Navy, Army and Air Force), Drone or Unmanned Aerial Vehicle with Customized Payload, Drone and IoT Forensic Analysis Software, Surveying or Mapping Drone or Unmanned Aerial Vehicle (Defence Forces - Navy, Army and Air Force), Logistics Drone or Unmanned Aerial Vehicle
अधिसूचना के लिए चयनित प्रासंगिक श्रेणियाँ / Relevant Categories selected for notification	• Tethered UAV System with Digital VHF Repeater as per MHA QR • Surveying or Mapping Drone or Unmanned Aerial Vehicle (Defence Forces - Navy, Army and Air Force) • Surveillance Drone / Unmanned Aerial Vehicle (V2)
बिडर का न्यूनतम औसत वार्षिक टर्नओवर (3 वर्षों का) /Minimum Average Annual Turnover of the bidder (For 3 Years)	300 Lakh (s)
मूल उपकरण निर्माता का औसत टर्नओवर (गत 3 वर्षों का)/OEM Average Turnover (Last 3 Years)	1400 Lakh (s)

बिड विवरण/Bid Details	
उन्हीं/समान सेवा के लिए अपेक्षित विगत अनुभव के वर्ष/Years of Past Experience Required for same/similar service	3 Year (s)
टर्नओवर पात्रता मानदंड/Turnover eligibility criteria	To be verified by the buyer at the time of technical evaluation
एमएसएमई के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है/MSE Relaxation for Years of Experience and Turnover	No
स्टार्टअप के लिए अनुभव के वर्षों और टर्नओवर से छूट प्रदान की गई है /Startup Relaxation for Years of Experience and Turnover	No
विक्रेता से मांगे गए दस्तावेज़/Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover,Additional Doc 1 (Requested in ATC),Compliance of BoQ specification and supporting document *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
क्या आप निविदाकारों द्वारा अपलोड किए गए दस्तावेजों को निविदा में भाग लेने वाले सभी निविदाकारों को दिखाना चाहते हैं? संदर्भ में नू है/Do you want to show documents uploaded by bidders to all bidders participated in bid?	No
बिड लगाने की समय सीमा स्वतः नहीं बढ़ाने के लिए आवश्यक बिड की संख्या। / Minimum number of bids required to disable automatic bid extension	1
दिनों की संख्या, जिनके लिए बिड लगाने की समय-सीमा बढ़ाई जाएगी। / Number of days for which Bid would be auto-extended	3
ऑटो एक्सटेंशन अधिकतम कितनी बार किया जाना है। / Number of Auto Extension count	1
विगत प्रदर्शन /Past Performance	30 %
बिड से रिवर्स नीलामी सक्रिय किया/Bid to RA enabled	Yes
रिवर्स नीलामी योग्यता नियम/RA Qualification Rule	H1-Highest Priced Bid Elimination
बिड का प्रकार/Type of Bid	Two Packet Bid
तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय /Time allowed for Technical Clarifications during technical evaluation	2 Days
निरीक्षण आवश्यक (सूचीबद्ध निरीक्षण प्राधिकरण /जेम के साथ पूर्व पंजीकृत एजेंसियों द्वारा)/Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No
अनुमानित बिड मूल्य / Estimated Bid Value	200000000

बिड विवरण/Bid Details	
मूल्यांकन पद्धति/Evaluation Method	Total value wise evaluation
मध्यस्थता खंड/Arbitration Clause	No
सुलह खंड/Mediation Clause	No

ईएमडी विवरण/EMD Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईएमडी राशि/EMD Amount	2000000

ईपीबीजी विवरण /ePBG Detail

एडवाइजरी बैंक/Advisory Bank	State Bank of India
ईपीबीजी प्रतिशत (%) /ePBG Percentage(%)	3.00
ईपीबीजी की आवश्यक अवधि (माह) /Duration of ePBG required (Months).	26

(a). 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।/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.

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

(c).ईएमडी और संपादन जमानत राशि लाभार्थी के पक्ष में होनी चाहिए। / Earnest Money Deposit (EMD) shall also be accepted by the buyer in the form of a surety bond.

लाभार्थी /Beneficiary :

IG, Security
413 Dr. Baijnath Road, Security Department, Uttar Pradesh, Lucknow, 226007
(Ig, Security)

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

एमआईआई खरीद वरीयता / MII Purchase Preference

एमआईआई खरीद वरीयता / MII Purchase Preference	Yes
मेक इन इंडिया विक्रेताओं को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ तक की सीमा में है / Purchase Preference to MII sellers available upto price within $L1+X\%$	20

मेक इन इंडिया खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Maximum Percentage of Bid quantity for MII purchase preference	50
सार्वजनिक खरीद (मेक-इन-इंडिया को प्राथमिकता) आदेश 2017 के अनुसार केवल क्लास 1/क्लास 2 के स्थानीय आपूर्तिकर्ताओं को ही भागीदारी की अनुमति है दिनांक 16.09.2020 (समय-समय पर संशोधित एवं लागू) / Allow participation only from Class 1/Class 2 local suppliers as per the Public procurement(Preference to Make-in-india) order 2017 date 16.09.2020(as amended and applicable time to time)	Yes, in compliance with the MII ORDER : DPIIT Order(as amended and applicable time to time)

एमएसई खरीद वरीयता/MSE Purchase Preference

एमएसई खरीद वरीयता/MSE Purchase Preference	Yes
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माताओं/सेवा प्रदाता को खरीद में प्राथमिकता, यदि उनका मूल्य $L1+X\%$ / Purchase Preference to MSE OEMs/ Service Provider available upto price within $L1+X\%$	15
सूक्ष्म और लघु उद्यम मूल उपकरण निर्माता/सेवा प्रदाता को खरीद में प्राथमिकता के लिए बिड की मात्रा का अधिकतम प्रतिशत / Percentage of Bid quantity/amount for MSE OEMs/ Service Provider Purchase preference	25

1. The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated above in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution incorporation of the bidder is less than 3-year-old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

2. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM of the product offered in the bid {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for number of Financial years as indicated above in the bid document before the bid opening date. Copies of relevant contracts and delivery acceptance certificates like CRAC to be submitted along with bid in support of having supplied some quantity during each of the Financial year. In case of bunch bids, the category of primary product having highest value should meet this criterion.

3. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

4. 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 and its subsequent Orders/Notifications issued by concerned Ministry .Benefits of MSE will be allowed only if seller/service provider is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

5. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs having valid Udyam Certificate and whose credentials are validated online through Udyam Registration portal as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry o Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail themselves of the Purchase preference, the bidder must be the manufacturer / OEM of the offered product on GeM. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises and hence resellers offering products manufactured by some other OEM are not eligible for any purchase preference. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service, and Buyer will decide eligibility for purchase preference based on documentary evidence submitted in case of product bids, whereas in case of services the eligibility is automatically validated. 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 MSE 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.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. Benefits of MSE will be allowed only if seller is validated on-line in GeM profile as well as validated and approved by Buyer after evaluation of documents submitted.

6. Estimated Bid Value indicated above is being declared solely for the purpose of guidance on EMD amount and for determining the Eligibility Criteria related to Turn Over, Past Performance and Project / Past Experience etc. This has no relevance or bearing on the price to be quoted by the bidders and is also not going to have any impact on bid participation. Also this is not going to be used as a criteria in determining reasonableness of quoted prices which would be determined by the buyer based on its own assessment of reasonableness and based on competitive prices received in Bid / RA process.

7. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 30% of bid quantity, in at least one of the last three Financial years before the bid opening date to any Central / State Govt Organization / PSU. Copies of relevant contracts (proving supply of cumulative order quantity in any one financial year) to be submitted along with bid in support of quantity supplied in the relevant Financial year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

8. Reverse Auction would be conducted amongst all the technically qualified bidders except the Highest quoting bidder. The technically qualified Highest Quoting bidder will not be allowed to participate in RA. However, H-1 will also be allowed to participate in RA in following cases:

- i. If number of technically qualified bidders are only 2 or 3.
- ii. If Buyer has chosen to split the bid amongst N sellers, and H1 bid is coming within N.
- iii. In case Primary product of only one OEM is left in contention for participation in RA on elimination of H-1.
- iv. If L-1 is non-MSE and H-1 is eligible MSE and H-1 price is coming within price band of 15% of Non-MSE L-1
- v. If L-1 is non-MII and H-1 is eligible MII and H-1 price is coming within price band of 20% of Non-MII L-1

Pre Bid Detail(s)

मूल्य भिन्नता खंड दस्तावेज़/Pre-Bid Date and Time	प्री-बिड स्थान/Pre-Bid Venue
16-09-2026 12:00:00	413, Dr. Baijnath Road, Security Headquarters, New Hyderabad Colony lucknow, Uttar Pradesh, 226007

Tethered Drone With Genset (40 Unit)

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

तकनीकी विशिष्टियाँ /Technical Specifications

क्रेता विशिष्टि दस्तावेज़ /Buyer Specification Document	Download
---	--------------------------

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

क्र.सं./S.No.	परेषिती/रिपोर्टिंग अधिकारी /Consignee Reporting/Officer	पता/Address	मात्रा /Quantity	डिलीवरी के दिन/Delivery Days
1	Avinash Saini	226007,Security Department, 413 Dr Baijnath Road, New Hyderabad, Lucknow	40	120

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

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 up to 25% of the contracted quantity during the currency of the contract at the contracted rates. The delivery period of quantity shall commence from the last date of original delivery order and in cases where option clause is exercised during the extended delivery period the additional time shall commence from the last date of extended delivery period. The additional delivery time shall be $(\text{Increased quantity} \div \text{Original quantity}) \times \text{Original delivery period (in days)}$, subject to minimum of 30 days. If the original delivery period is less than 30 days, the additional time equals the original delivery period. The Purchaser may extend this calculated delivery duration up to the original delivery period while exercising the option clause. Bidders must comply with these terms.

2. Generic

Bidder financial standing: The bidder should not be under liquidation, court receivership or similar proceedings, should not be bankrupt. Bidder to upload undertaking to this effect with bid.

3. Generic

Bidders are advised to check applicable GST on their own before quoting. Buyer will not take any responsibility in this regards. GST reimbursement will be as per actuals or as per applicable rates (whichever is lower), subject to the maximum of quoted GST %.

4. Generic

Data Sheet of the product(s) offered in the bid, are to be uploaded along with the bid documents. Buyers can match and verify the Data Sheet with the product specifications offered. In case of any unexplained mismatch of technical parameters, the bid is liable for rejection.

5. Generic

End User Certificate: Wherever Bidders are insisting for End User Certificate from the Buyer, same shall be provided in Buyer's standard format only.

6. Generic

Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.

7. **Generic**

Malicious Code Certificate:

The seller should upload following certificate in the bid:-

(a) This is to certify that the Hardware and the Software being offered, as part of the contract, does not contain Embedded Malicious code that would activate procedures to :-

- (i) Inhibit the desires and designed function of the equipment.
- (ii) Cause physical damage to the user or equipment during the exploitation.
- (iii) Tap information resident or transient in the equipment/network.

(b) The firm will be considered to be in breach of the procurement contract, in case physical damage, loss of information or infringements related to copyright and Intellectual Property Right (IPRs) are caused due to activation of any such malicious code in embedded software.

8. **Generic**

Manufacturer Authorization: Wherever Authorised Distributors/service providers are submitting the bid, Authorisation Form /Certificate with OEM/Original Service Provider details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid

9. **Generic**

Products supplied shall be nontoxic and harmless to health. In the case of toxic materials, Material Safety Data Sheet may be furnished along with the material.

10. **Generic**

Scope of supply includes Training: Number of employees to be trained

100

, Place for Training

Lucknow (location)/no. of employees will change as per the requirements.

and Duration of training

7

days.

11. **Generic**

Without prejudice to Buyer's right to price adjustment by way of discount or any other right or remedy available to Buyer, Buyer may terminate the Contract or any part thereof by a written notice to the Seller, if:

- i) The Seller fails to comply with any material term of the Contract.
- ii) The Seller informs Buyer of its inability to deliver the Material(s) or any part thereof within the stipulated Delivery Period or such inability otherwise becomes apparent.
- iii) The Seller fails to deliver the Material(s) or any part thereof within the stipulated Delivery Period and/or to replace/rectify any rejected or defective Material(s) promptly.
- iv) The Seller becomes bankrupt or goes into liquidation.
- v) The Seller makes a general assignment for the benefit of creditors.
- vi) A receiver is appointed for any substantial property owned by the Seller.
- vii) The Seller has misrepresented to Buyer, acting on which misrepresentation Buyer has placed the Purchase Order on the Seller.

12. **Scope of Supply**

Scope of supply (Bid price to include all cost components) : Supply Installation Testing and Commissioning of Goods

13. **Turnover**

Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.

14. **Turnover**

OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.

15. **OEM**

IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.

16. **Service & Support**

Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.

17. **Service & Support**

Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.

18. **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.

19. **Certificates**

ISO 9001: The bidder or the OEM of the offered products must have ISO 9001 certification.

20. **Certificates**

Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.

21. **Certificates**

The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.

22. **Certificates**

To be eligible for award of contract, Bidder / OEM must possess following Certificates / Test Reports on the date of bid opening (to be uploaded with bid):

Yes

23. **Warranty**

Warranty period of the supplied products shall be 2 years from the date of final acceptance of goods or after completion of installation, commissioning & testing of goods (if included in the scope of supply), at consignee location. OEM Warranty certificates must be submitted by Successful Bidder at the time of delivery of Goods. The seller should guarantee the rectification of goods in case of any break down during the guarantee period. Seller should have well established Installation, Commissioning, Training, Troubleshooting and Maintenance Service group in INDIA for attending the after sales service. Details of Service Centres near consignee destinations are to be uploaded along with the bid.

24. **Past Project Experience**

The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary product having highest bid value should meet this criterion

25. **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

IG Security

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

26. **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

IG Security

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.

27. **Financial Criteria**

NET WORTH: Net Worth of the OEM should be positive as per the last audited financial statement.

28. **Buyer Added Bid Specific ATC**

Buyer Added text based ATC clauses

A) Firm shall have to submit notary certified on a non-judicial stamp of rupees 10. The certified must mention following points:

1. The firm was neither black listed nor they were prevented to participate in any Govt. tender.
2. That no criminal case is under investigation, pending or trail against the firm in any court with regard to fraud, insolvency, copyright/patent.

3. That there is no family relation members of a black listed firm among the persons running the participating firm.
 4. Firm participating in tender should not form cartel or alliance.
- B) OEM/Bidder needs to show/demonstrate all the above specification on field trials .
- C) Only one (01) Static aerial Vehicle per set which is capable of flying in tethered as well as un-tethered mode.
- D) Tethering Power base solution, tethered cable and battery: Generator set: 01 No.
- E) Only 01 Nos Integrated Day and Night camera is required.
- F) OEM should have industrial license from DIPP (Ministry of Commerce and Industry).
- G) Indian origin, design and manufactured.
- H) No Chinese component, to avoid remote operation and manipulation.
- I) Access to manufacturing site verification and background checks of source and other required certification.
- J) Exemption in EMD will be applicable to all MSMEs.
- K) For Sr No-01 in our qualitative requirement/ technical specifications we need only one (1) UAV.
- L) Only static system is required.

DGCA type certificate

According to advisory/guidelines for procurement, registration and transfer of unmanned aircraft systems (UAS)/drones to be in compliance with the Drone Rules, 2021.

- i) Procurement of UAS above micro class should possess a valid type certificate issued by DGCA.
- ii) The responsibility for registration (UIN) of the UAS rests with the UAS manufacturer/Type certificate holder/GFT authorised importer. UIN is engraved on a fire proof plate and permanently affixed on the UAS/Drone.
- iii) Transfer of UAS ownership shall be carried out exclusively through **Form D-3** on the eGCA platform along with supporting documents such as sale/lease deed or purchase invoice.
- iv) The seller must possess a valid eGCA id.

Specification of tethered Drone-40Nos.

S.No.	Parameter	Qualitative Requirement/Technical Specifications	Trial Directives
1	TETHERED UAV (HYBRID) to include		
	(a) Aerial Vehicle	Qty: Two (2) A tethered UAV that can also be operated untethered with day/night camera payload for surveillance purpose during day and night. Should be capable to fly while tethered and also to fly independent of tether.	To be physically checked and verified by BOO.

	(b) Mobile System (Vehicular) OR Static System (Vehicular or Static to be decided by user agency)	Qty: One (1) Mobile tethering power base station on 4*4 vehicle containing all elements of tethered UAV including generator set. OR Static System that can easily be mounted on vehicle and dismounted from vehicle including all elements of the systems (within 30 minutes) as and when required.	To be physically checked and verified by BOO.
	(c) Ground Control Station	Yes Qty: One (1)	To be physically checked and verified by BOO.
	(d) Payloads	Integrated Day & Night Camera: 02 Nos.	To be physically checked and verified by BOO.
	(e) Universal Battery Charger with Power Supply System	Qty: Two (2) In case of power failure UAV should fly for minimum 15 minutes on battery power.	To be physically checked and verified by BOO.
	(f) Generation Set	Qty: Two (2) Each generator should provide backup of not less than 6 hours.	To be physically checked and verified by BOO.
	(g) Tether Station with facility to automatically unwind and wind the tether cable	Yes Qty: One (1)	To be physically checked and verified by BOO.
	(h) Tethered and Un-tethered mode	Yes. UAV should operate in tethered and also without tethering cable as and when required by the operator.	To be physically checked and verified by BOO.
2	Unmanned Aerial Vehicle (UAV)		
	(a) Day & Night operational ability	Yes	To be physically checked and verified by BOO.
	(b) Launch & Landing	Automatic Vertical Take-off and Landing (VTOL) from ground or static vehicle and should be able to land on the designated landing place of 10*10 meter area or less.	To be physically checked and verified by BOO.
	(c) JSS55555, IP53 and EM shielding	Yes	Firm will submit certificate of Govt. lab or DRDO or NABL/ILAC accredited lab.
	(d) Should be able to withstand rough landing.	Payload should not damage during landing of UAV.	To be physically checked and verified by BOO.
	(e) Modular and easy to maintain.	Ease of removal/replacement of parts under field conditions.	To be physically checked and verified by BOO.
	(f) All Up Weight of UAV (excluding weight of tethering cable)	Not more than 20 kg.	To be physically checked and verified by BOO.

(g) Portability and Operation	The tethered UAV should fly on electrical-mains supply/ Gen Set/ battery operated mounted on a 4 X4 vehicle or in static mode. (Vehicular or static to be decided by user agency). When the UAV is flying in Un-Tethered mode it should fly on Lithium based battery having endurance not less than 45 minutes. Both the UAVs should be operable interchangeably as tethered or un-tethered.	To be physically checked and verified by BOO. BOO to check endurance of 45 minutes at AMSL not more than 1000 meters in case of Un-Tethered mode.
(h) Deployment Time	<30 Minutes	To be physically checked and verified by BOO.
(i) Parking Height	Minimum 120 meters with cable of 150 meters	To be physically checked and verified by BOO.
(j) Wind Tolerance	20 Knots or better	Firm will submit OEM certificate.
(k) Propulsion	(i) Electric power to the tethered UAV should be provided by • Electric mains supply • Universal battery charger with power supply system and • Through generator set tethered to the UAV by a sturdy power cable. (ii) Electric power to the un-tethered UAV when flying in un-tethered mode should be provided by lithium based battery having endurance not less than 45 minutes: time taken to charge the battery from zero charge to full charge shall not be more than 2 hours 30 min/150 minutes.	To be physically checked and verified by BOO.
(l) Operational Endurance	(i) Tethered UAV: Not less than 8 hours. Generator Set: Not less than 6 hours. Changeover facility from 1st generator set to 2nd generator set without interrupting the mission of tethered UAV. Cool down time of tethered UAV, not more than 2 hours. and (ii) Un- tethered UAV: Endurance of 45 minutes with minimum hover time of 15 minutes at 5 Km range with max payload up to launch altitude of 1000 meter above mean sea level.	To be physically checked and verified by BOO.
(m) Range (When The UAV Is Flying Independent Of Tethering Cable)	Not less than 5 kilometers LOS In Un-Tethered Mode	To be physically checked and verified by BOO.
(n) Max Cruising Speed (When The UAV Is Flying Independent Of Tethering Cable)	30 km per hour or better In Un-tethered mode	To be physically checked and verified by BOO.
(o) Aural Signature (When The UAV Is Flying Independent Of Tethering Cable)	<40dB At 500 meters In Un-Tethered Mode	To be physically checked and verified by BOO.

(p) Flight Modes	(a) Fully Autonomous Target Tracking & acquisition. (b) Semi-Autonomous Target Tracking & acquisition. (c) Hover. (d) Return to home and land on an area of not more than 10m x 10m. (e) AI (Optional)	To be physically checked and verified by BOO.
(q) RTK supported	UAV should have RTK supporting hardware and software	To be physically checked and verified by BOO.
(r) GCS Controlled LED light Night Recovery Beacon (Optional - Laser Pointer/illuminating focus light)	Yes	To be physically checked and verified by BOO.
(s) Operational Altitude for the whole system	0 to 4500 meters (AMSL)	Firm will submit OEM certificate.
(t) Operational Altitude for the Un- Tethered UAV	Minimum Operational Altitude: 1000 meters AGL (Above Ground Level) or more in Un-Tethered Mode	To be physically checked and verified by BOO.
(u) Operational Temperature and Climatic Conditions	(a) Range: -20° to + 55° C (b) Ability to withstand dust, drizzle and humid conditions	Firm will submit certificate of Govt. lab or DRDO or NABL/ILAC accredited lab.
(v) Fail safe	Automatic return to home & landing (a) Under low battery condition and power failure (b) Under communication failure (c) Under GPS failure. Multiple GPS for failure redundancy. (d) Should support power line failure/ Generator failure and seamless switching to backup battery (e) High wind and high temperature indication	To be physically checked and verified by BOO.
(w) GNSS Capability	GPS, GLONASS, Galileo, NAVIC	Firm will submit certificate of Govt. lab or DRDO or NABL/ILAC accredited lab.
(x) Follow Me Mode	UAV should follow the vehicle as it moves to cover larger areas for surveillance. As the vehicle moves, UAV should follow in the direction and speed of vehicle at a min speed of 15km/hr or more in un-tethered mode.	To be physically checked and verified by BOO by driving the vehicle not more than 15km/hr.
(y) Redundancy	On board Redundancy for Tether Failure	To be physically checked and verified by BOO.

3

Payload

a) EO/IR Camera	(a) Integrated Camera for day and Night (b) Gyro Stabilized (c) Locking and auto tracking of the selected target in the video imagery.	(a) To be physically checked and verified by BOO. (b) Firm will submit OEM certificate. (c) To be physically checked and verified by BOO.
b) DRI/ Operating Range (For Human)	DRI for Human (group of 3-4 people) Day: Detection - 2500 meters Recognition - 1500 meters Identification-1000 meters Night: Detection-750 meters Recognition - 500 meters	To be physically checked and verified by BOO.
c) Resolution	(a) Day-1920 x 1080 Pixels or better (b) Night - 640 x 512 Pixels or better	Firm will submit certificate of Govt. lab or DRDO or NABL/ILAC accredited lab.
d) Zoom	(a) Day- Optical zoom- 30X or more Digital zoom- 2X or more (b) Night- Digital zoom- 4X or more	Firm will submit certificate of Govt. lab or DRDO or NABL/ILAC accredited lab.
e) Black/White Hot Modes or more templates for night camera	Shall Have Black/ White Hot Modes or More Templates for Night Camera	To be physically checked and verified by BOO.
f) FOV	<5°(Narrow) to 45° (Wide)	Firm will submit OEM certificate. -BOO to cross check trial results and footage provided by vendor & report correctness/ discrepancy
g) Traverse and Tilt	(a) 360° Pan (b) 0° to 90° Tilt up and down	To be physically checked and verified by BOO.
h) Stability	(a) Gimbal stabilized (b) Video Output quality should be free from vibration of Aerial Vehicle	To be physically checked and verified by BOO.

4 Ground Control Station

(a) Video	Should be able to stream live video from UAV camera	To be physically checked and verified by BOO.
(b) Rugged and Robust.	Yes	To be physically checked and verified by BOO.
(c) Processor	MIL STD 810G, Intel core i7 with latest generation or better	To be physically checked and verified by BOO.
(d) Mil-STD 810G or better	Yes	Firm will submit certificate of Govt. lab or DRDO or NABL/ILAC accredited lab.

	(e) Screen and Keyboard	Minimum 14". Resolution: 1920X1080 pixels Sunlight Readable Screen, Minimum 1000 nits, anti-glare	Firm will submit OEM certificate.
	(f) Should be able to overlap ground data Yes with Geo-Spatial data	Yes	To be physically checked and verified by BOO.
	(g) Ability to take screenshots, record and Yes instant playback	Yes	To be physically checked and verified by BOO.
	(h) Storage and RAM	1 TB Digital Mass Storage with 16 GB RAM or better	To be physically checked and verified by BOO.
	(i) Interface and Data Portability	Availability of USB, HDMI, Ethernet (10/100/1000), IEEE, 1394A and wireless connectivity ports for transfer/ exchange of data	To be physically checked and verified by BOO.
	(j) SDI/ APK interface for Integration with command and control centre	Should support integration with Command and control centre and OEM should provide necessary SDI/ APK permissions for the same.	Firm will submit OEM certificate.
	(k) Capability to store Flight Routes and Waypoint Configuration	Capacity to store 100 or more flight routes with 70 Waypoint Configuration in each route	To be physically checked and verified by BOO.
	(l) Full Camera Control	Yes	To be physically checked and verified by BOO.
	(m) Pan/Tilt	Yes	To be physically checked and verified by BOO.
	(n) Zoom In/Out	Yes	To be physically checked and verified by BOO.
	(o) Altitude Control	Yes	To be physically checked and verified by BOO.
	(p) Locking and Tracking of Target	Yes	To be physically checked and verified by BOO.
6	Capability		
	a) Geographical map along with UAV location	Yes	To be physically checked and verified by BOO.
	b) Transmit control commands to UAV	Yes	To be physically checked and verified by BOO.
	c) Receive UAV flight and propulsion Yes parameters	Yes	To be physically checked and verified by BOO.

	d) Receive, Display and Record real time Yes day & night video from AV	Yes	To be physically checked and verified by BOO.
	e) Capability to control UAV while on the move	Yes	To be physically checked and verified by BOO.
7	Software		
	User friendly software with at least Should be able to perform and display all the following mission information : (a) Target coordinates (b) GPS Accuracy +/- 10 meters (c) UAV Position and distance from GCS (d) UAV operating data (e) Wind speed (f) Mission time (g) Payload looking angle (h) Communication link status (i) GPS status (j) Battery status (k) Auto tracking (l) Geographic map and real time video should be displayed at all times during the flight (m) Capability to zoom/tilt/rotate maps (n) Geographical map and real time video views should be resizable and switchable to allow user to switch between big map/small video and small map/big video views through a single click/ button in put	Should be able to perform and display all the characteristics.	To be physically checked and verified by BOO.
8	Map Format		
	(a) Capacity to integrate all kind of Geo-Referenced Raster Maps in commonly used digital formats (GIF, TIFF, DTED & SRTM etc.)	Yes	Firm will submit OEM certificate.
	(b) Compatibility to integrate Google Map and download map of specific location	Yes	To be physically checked and verified by BOO.
9	Communication Link		
	a) Secure, between Aerial Vehicle and Ground Control Station with minimum 256-bit encryption in Un-Tethered mode.	Yes	Firm will submit OEM certificate.

	b) Operable S-band and C-band frequency for uplink and downlink preferably on license free band i.e 2.4 or 5.8GHz or any other band as per user requirement.	Yes	Firm will submit OEM certificate.
	c) Transmit control commands from GCS to UAV	Yes	To be physically checked and verified by BOO.
	d) Transmit parameter of UAV and Payloads to GCS	Yes	To be physically checked and verified by BOO.
	e) Transmit day and night video from UAV to GCS.	Yes	To be physically checked and verified by BOO.
	f) Jam Proof Communication (Desirable) in case of tethered mode.	Yes	Firm will submit OEM certificate.
	g) Non ISM band	Optional	Firm will submit certificate of Govt. lab or DRDO or NABL/ILAC accredited lab.
10	Payload Control		
	(a) Selection and switch on/off of payload	Yes	To be physically checked and verified by BOO.
	(b) Pan/Tilt/Zoom Control	Yes	To be physically checked and verified by BOO.
11	Video		
	(a) Video should be recorded in any commonly portable video formats (AVI/MPEG/MP4 etc)	Yes	To be physically checked and verified by BOO.
	(b) Video of the full flight should be recorded	Yes	To be physically checked and verified by BOO.
	(c) Should have capability to take image snapshots at any time during flight	Yes	To be physically checked and verified by BOO.
12	Tethering Power Base Station, Tether Cable And Battery		
	a) Mobility-in case of a mobile system	Should be mounted on a 4X4 vehicle with all elements of tethered UAV along with Generator Set	To be physically checked and verified by BOO.
	b) Input Voltage	100 to 270V	To be physically checked and verified by BOO.
	c) Generator Set: 2 Nos	Each Generator set shall be able to run the complete system for not less than 6 hours i.e. complete system shall run for 12 hours non-stop on both the generator sets without interrupting mission.	To be physically checked and verified by BOO.

	d) Battery/ Number of batteries/ Battery Life	Lithium based Battery for UAV to fly in Un-Tethered mode. Spare Battery: Two spare batteries on each UAV in case of a single battery. Otherwise two spare sets of batteries depending upon the number of batteries required to fly UAV in un-tethered mode. Battery Life: 3 Years or 300 charging cycles whichever is earlier.	To be physically checked and verified by BOO.
	e) Wire Winch System	Automatic cable winding and unwinding	To be physically checked and verified by BOO.
	f) Display	Parameters such as Output/ Input voltage should be displayed	To be physically checked and verified by BOO.
	g) Ventilation System	Should have ventilation cooling system to avoid system overheating	To be physically checked and verified by BOO.
	h) Length	150 meters or more	To be physically checked and verified by BOO.
	i) Tensile Strength	50 Kilograms or more	To be physically checked and verified by BOO.
	j) Insulating covering	Should be of insulating material to avoid electrical shock	To be physically checked and verified by BOO.
13	Pre-flight checks		
	Self-test of AV system, Output	go/ no go	To be physically checked and verified by BOO.
14	EM shielding of System and Sub-Systems including power cable and tethering cable	The complete system should be EM shielded.	To be physically checked and verified by BOO. and Firm will also submit OEM certificate.
15	Miscellaneous Terms		
	a) Comprehensive Warranty including applicable Taxes and Duties	2 Years on site from the date of JRI	Firm will submit OEM certificate.
	b) Total Technical life	5 Years	Firm will submit OEM certificate.
	c) Product support after warranty	3 Years comprehensive on site CAMC including additional MRLS, taxes and duties Training of operators @minimum 5 per UAV Software: Auto update facility	Firm will submit OEM certificate.
16	Accessories		
	(a) Manuals (User, Technical, Maintenance)	Yes (01)	To be physically checked and verified by BOO.
	(b) Field Repair Kit	Yes (01)	To be physically checked and verified by BOO.
	(c) Spare Landing Gear Sets	One (01)	To be physically checked and verified by BOO.

अस्वीकरण/Disclaimer

The Additional Terms and Conditions (ATC) have been incorporated by the Buyer after approval of their Competent Authority. The Buyer is solely responsible for the impact of these clauses on the bidding process, its outcome, and consequences thereof including any restriction arising in the bidding process due to these ATCs and including the modification of technical specifications and / or terms and conditions governing the bid. All representations / grievances pertaining to the ATC clauses shall be raised with the buyer organization directly and not with GeM. If any of the clause(s) is/are incorporated by the Buyer regarding the following, the bid & resultant contract shall be treated as null & void. Further, GeM reserves the right, at its sole discretion, to cancel the bid forthwith, without issuance of any prior notice or intimation :-

1. Publishing Custom / BOQ bids for items for which regular GeM categories are available (unless such Custom / BOQ item is bunched with the major regular product Category Item).
2. Mandating procurement of / from specific Brand / Make / Model / Manufacturer / Dealer except in case of Single Bid / Proprietary Article Certificate (PAC) Buying.
3. Inclusion of disqualification criteria related to suspension of seller / service provider, where such suspension period has already expired.
4. Mandating submission of documents (other than EMD and signed Integrity Pact - which can be submitted within 5 days of bid opening) in physical form as a pre-requisite to qualify bidders.
5. Publishing bids on GeM for procurement of works.
6. Procurement of Goods by creating a Service bid on GeM & vice-versa.
7. Seeking sample with bid or approval of samples during bid evaluation process. However, trial / sample, as the case may be, shall be permitted in cases where trial / sample are allowed as per approved and published procurement policy of the Buyers' controlling Ministry / Department / State / Public Sector Enterprises Headquarters. If there is any violation of trial / sample clause with regard to approved policy of the Buyers' Ministry / Department / State / Public Sector Enterprises Headquarters, then this is to be determined and redressed by the concerned Buyer Organisation only.
8. Seeking experience from specific organization / department / institute only or from foreign / export experience.
9. Creating bid for items from incorrect categories.
10. Reference of conditions published on any external site or reference to external documents/clauses.
11. Asking for any Tender fee / Bid Participation fee, as the case may be.
12. Buyer added ATC Clauses which are in contravention of clauses defined in bid detail section, including specifications, EMD Detail, ePBG Detail and MII and MSE Purchase Preference sections of the bid, unless otherwise allowed by the applicable GeM GTC.
13. Any ATC clause in contravention with GeM GTC Clause 4 (xiii) (h) will be invalid. In case of multiple L1 bidders against a service bid, the buyer shall place the Contract by selection of a bidder amongst the L-1 bidders through a Random Algorithm executed by GeM system.
14. In a category based bid, adding additional items, through buyer added, additional scope of work/ additional terms and conditions/or any other document. If buyer needs more items along with the main item, the same must be added through bunching category based items or by bunching custom catalogues or bunching a BoQ with the main category based item, the same must not be done through ATC or Scope of Work.

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. 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.

All GeM Sellers/Service Providers shall ensure full compliance with all applicable labour laws, including the provisions, rules, schemes and guidelines under the four Labour Codes i.e. the Code on Wages, 2019; the Industrial Relations Code, 2020; the Occupational Safety, Health and Working Conditions Code, 2020; and the Code on Social Security, 2020 as and when notified and brought into force by the

Government of India.

For all provisions of the Labour Codes that are pending operationalisation through rules, schemes or notifications, the corresponding provisions of the pre-existing labour enactments (such as The Minimum Wages Act, 1948, The Payment of Wages Act, 1936, The Payment of Bonus Act, 1965, The Equal Remuneration Act, 1976, The Payment of Gratuity Act, 1972, etc. and relevant State Rules) shall continue to remain applicable.

The Seller/ Service Providers shall, therefore, be responsible for ensuring compliance under:

- **All notified and enforceable provisions of the new Labour Codes as mentioned hereinabove; and**
- **All operative provisions of the erstwhile Labour Laws until their complete substitution.**

All obligations relating to wages, social security, safety, working conditions, industrial relations etc. and any other statutory requirements shall be strictly met by the Seller/ Service Provider. Any non-compliance shall constitute a breach of the contract and shall entitle the Buyer to take appropriate action in accordance with the contract and applicable law.

This Bid is governed by the General Terms and Conditions, conditions stipulated in Bid and Service Level Agreement specific to the Service, as the case may be, as provided in the Marketplace.

However, in case of Service, if any condition specified in General Terms and Conditions is contradicted by the conditions stipulated in Service Level Agreement specific to said Service, then it will over-ride the conditions in the General Terms and Conditions.

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

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। In terms of GeM GT 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.

---धन्यवाद/Thank You---