

Bid Document

Bid Details	
Bid End Date/Time	22-07-2020 18:00:00
Bid Opening Date/Time	2020-07-22 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	50 (Days)
Ministry/State Name	Tripura
Department Name	Revenue Department Tripura
Organisation Name	Directorate Of Relief, Rehabilitation & Disaster Management
Office Name	Rrdm
Total Quantity	9
Item Category	Surveillance type unmanned aerial vehicle (Drone Camera)
Bidder Turnover (Last 3 Years)	20 Lakh (s)
Experience Criteria	2 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,OEM Authorization Certificate *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
Past Performance	10 %
Bid to RA enabled	Yes
Inspection Required	Yes
Inspection to be carried out by Buyers own empanelled agency	Yes
Type Of Inspection	Pre Dispatch
Name of the Empanelled Inspection Agency/ Authority	Board of Officers
Estimated Bid Value	5000000

EMD Detail

Advisory Bank	State Bank of India
EMD Percentage(%)	2.00
EMD Amount	100000

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	2.00
Duration of ePBG required (Months).	14

(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.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Deputy Director, RR&DM, Govt of Tripura
RRDM, Revenue Department Tripura, Directorate of Relief, Rehabilitation & Disaster Management,
(Pradip Acharjee)

Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for 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 / Public Listed Company for number of years as indicated in the bid document 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 category of primary product having highest value should meet this criterion.

2. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 10% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Surveillance Type Unmanned Aerial Vehicle (Drone Camera) (9 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Construction	Overall Length (with propellers)	800	*
	Weight(net weight including battery & Payload)	2	*
	Type of Drone	Rotary Wing	*
	Overall Width (with propellers)	800	*
Compliance & Test	Product compliant & ready for DGCA & No-permission No-takeoff guideline	Yes	*
	Importer or seller or manufacturer of RPAs has Equipment Type Approval (ETA) from WPC Wing, Department of Telecommunication that drone is working in de-licensed frequency band(s)	Yes	*
	Warranty	1	1.0
	manufacturing location of UAV	Made in India	*
	UAV & manufacturer is in compliance with DGCA for CAR for UAV's published 27Aug 2018 *Latest	Yes	*
	Tested performances	Aural Signature Test,High temperature test,Damp heat test	Aural Signature Test, High temperature test, Damp heat test
	Availability Of Test Report From Central Govt/Nabl/Ilac Accredited Lab To Prove Conformity To Specification	Yes	*
	Protection Class for Drone	IP 53	*
	Classification of UAV as	Micro	*

	per DGCA regulation for Civil Aviation requirement in India		
	Protection Class for Backpack	IP 66	*
	Manufacturer has Industrial licence for manufacturing drones	Yes	*
	Incase of Imported product/Foreign manufacturer	NA	*
	Equipment Type Approval (ETA) certificate number provided by from WPC Wing, Department of Telecommunication	-	*
	Certificate number of Clearance from DGCA for imported goods	-	*
	Import licence number provided from Directorate General of foreign Trade (DGFT)	-	*
	Certificate number by Certifying Agency (for compliance to standard civil aviation requirement by DGCA)	-	*
	OEM/Reseller authorisation letter to be furnished on buyer demand	Yes	*
	All test report, licences & Certificates to be submitted on confirmation of order	Yes	*
Performance	Payload freedom(in flight) across verticle axis	360 degree	*
	Wind resistance (maximum)(Km/hr)	36-40	*
	Operational endurance	>=20 minutes	>=20 minutes
	Advanced flight modes	Autonomous,manual,mission,auto take-off,Position Hold & Survey,Remotely Piloted mode,Auto	Autonomous, manual, mission, auto take-off, Position Hold & Survey, Remotely Piloted mode, Auto landing, Way

		landing,Way point navigation	point navigation
	Minimum Operating temperature	-10	*
	Nominal Cruise speed(meter/second)	8-10	8-10
	Target detection slant range(Human Size Target)(Thermal)	>=250m	*
	Payload freedom(in flight) across horizontal axis	90 degree	*
	Operational Altitude (above ground level)	>=200m	>=200m
	Minimum Radius Range covered from line of sight(for live transmission)	2	2.0
	Video transmission during flight operation	Realtime	*
	Maximum Operating temperature	50	*
	Minimum Technical life of UAV (number of landings)	500	500
	Target detection slant range(Human Size Target)(Day light)	>=400m	*
	Maximum Vertical avaiation speed(meter/second)	2	*
	Launch Altitude (above mean sea level)	>=3000m	*
GUI display parameters	Realtime video on-screen display parameters	UAV co-ordinates,target(payload) co-ordinates & range from UAV,true north indication,distance from home,Artificial horizon indicating UAV attitude,Target tracking,Moving target Indicator	*
	Surveillance parameters displayed	Geographic map,UAV location,UAV trajectory,camera view polygon,way points,flight plans	*

	Image system provided	Day Light	Day Light
Imaging System	Imaging System resolution (Day light)	1280*720 pixel HD	1280*720 pixel HD
	Optical Zoom-in capacity	5X	*
	Thermal imager Slot compatible	Yes	*
	Imaging System resolution (Night)	320*240 pixel	*
	Live transmission quality definition	HD	HD
User Control	User controlled attribute	Set altitude of UAV,Way point navigation,Dynamic flight plan adjustment,point payload to ground co-ordinate function,Turn off recording	*
	video recorded format on the gcs	Mp4	*
	User controlled flight functionality	Take off,Land,Hover,Tilt ,Zoom In/Out	*
	On-flight captured modes	Video,Image snapshot,Thermal Imaging	*
Generic	Spare propellers provided	NA	NA
	Rated Voltage	30	*
	Video Stablization mechanism	Mechanical Image stabilization,Electronic Image stabilization	*
	Control System	Fully Autonomous	*
	Ground Controlled software system for control provided	Yes	*
	Port Data transfer to GCS hardware	USB	*
	Data recording	Hard disk	*
	Packing & Storage for housing all systems	Water proof backpack	*
	Propulsion of UAV powered through	Battery Powered	*
	Data recording setup card	Inbuilt in User Control device	*

Type of Battery embedded	LiPo	*
Maximum required operating crew	2	*
Failsafe features	return to home on communication failure,return to home/land on low battery,multiple GPS on-board for GPS failure redundancy,high wind indication,anti collision light,Global satellite system,Autonomous flight termination system,fire resistant Identification plates,return to home on high wind	*
Rated ampere, mAh	3000	*
CompatibleHardware provided with installed GCS	NA	NA
Map compatibility	Google,Raster,open source,Tiff,Giff,BIT,DTE D	*
Laptop/Tablet type	NA	*
Training Provided	No	*
Number of Spare Battery	NA	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Pradip Acharjee	799001,Old Secretariat Complex, Agartala	9	60

Bid Specific Additional Terms and Conditions

1. **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.

2. **Upload Manufacturer authorization:** Wherever Authorised Distributors are submitting the bid, Manufacturers Authorisation Form (MAF)/Certificate with OEM details such as name, designation, address, e-mail Id and Phone No. required to be furnished along with the bid.
3. **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 / Public Listed Company for 2 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.
4. **OPTION CLAUSE:** The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent 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.
5. **Scope of supply (Bid price to include all cost components) :** Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)
6. **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.
7. **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.
8. **Escalation Matrix For Service Support :** Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
9. **ISO 9001:** The bidder must have ISO 9001 certification.
10. **Timely Servicing / rectification of defects during warranty period:** After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 15 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
11. Bidders can also submit the EMD with Account Payee Demand Draft in favour of Director, RR&DM, Govt of Tripura payable at Agartala.
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.
12. Bidders can also submit the EMD with Banker's Cheque in favour of Director, RR&DM, Govt of Tripura payable at Agartala.
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.
13. 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 Director, RR&DM, Govt of Tripura payable at Agartala. 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.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---