



Bid Number/बोली क्रमांक (बिड संख्या):
GEM/2023/B/4243938
Dated/दिनांक : 23-11-2023

Bid Document/ बिड दस्तावेज़

Bid Details/बिड विवरण	
Bid End Date/Time/बिड बंद होने की तारीख/समय	04-12-2023 12:00:00
Bid Opening Date/Time/बिड खुलने की तारीख/समय	04-12-2023 12:30:00
Bid Offer Validity (From End Date)/बिड पेशकश वैधता (बंद होने की तारीख से)	180 (Days)
Ministry/State Name/मंत्रालय/राज्य का नाम	Ministry Of Defence
Department Name/विभाग का नाम	Department Of Defence Production
Organisation Name/संगठन का नाम	Garden Reach Ship Builders And Engineers Limited (grse)
Office Name/कार्यालय का नाम	*****
Total Quantity/कुल मात्रा	10
Item Category/मद केटेगरी	Camera for CCTV System (Q2) , Layer 3 - Access Switch (Q2)
MSE Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से एमएसई छूट	No
Startup Exemption for Years of Experience and Turnover/ अनुभव के वर्षों से स्टार्टअप छूट	No
Document required from seller/विक्रेता से मांगे गए दस्तावेज़	Certificate (Requested in ATC),OEM Authorization Certificate,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
Bid to RA enabled/बिड से रिवर्स नीलामी सक्रिय किया	Yes
RA Qualification Rule	H1-Highest Priced Bid Elimination
Type of Bid/बिड का प्रकार	Two Packet Bid
Primary product category	Camera for CCTV System
Time allowed for Technical Clarifications during technical evaluation/तकनीकी मूल्यांकन के दौरान तकनीकी स्पष्टीकरण हेतु अनुमत समय	2 Days
Inspection Required (By Empanelled Inspection Authority / Agencies pre-registered with GeM)	No

Bid Details/बिड विवरण**Evaluation Method/मूल्यांकन पद्धति**

Total value wise evaluation

EMD Detail/ईएमडी विवरण

Required/आवश्यकता

No

ePBG Detail/ईपीबीजी विवरण

Required/आवश्यकता

No

Splitting/विभाजन

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

MII Purchase Preference/एमआईआई खरीद वरीयता

MII Purchase Preference/एमआईआई खरीद वरीयता

No

MSE Purchase Preference/एमएसई खरीद वरीयता

MSE Purchase Preference/एमएसई खरीद वरीयता

Yes

1. 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.

2. 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.

3. 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

Camera For CCTV System (8 pieces)

Technical Specifications/तकनीकी विशिष्टियाँ

* As per GeM Category Specification/जेम केटेगरी विशिष्टि के अनुसार

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
IMAGE SENSOR	Image Sensor Type	CMOS
	Image Sensor Size	1, 0.67, 0.5, 0.357, 0.37, 0.4, 0.555, 0.526, 0.588, 0.544 Or higher (inch)
	Camera Image Sensing capacity (Picture Mode)	2MP
	Resolution	D1 (704 x 480 Pixel), Full HD (1920 x 1080 Pixel), HD (1280 x 720 Pixel)
	Day/Night Capable	Yes
	IR illumination Range(mtr)	50
CAMERA TYPE	Type of Camera Housing	DOME CAMERA
	IP Camera	Yes
	PTZ Camera	No
OPTICS	Lens Type	Motorized Varifocal
	Focal Length(mm)	2.8 - 12
	Iris Control	Yes
	Focus Mode	Auto, Manual
VIDEO	Frame Rate (fps)	25, 30
	Video Compression	H.264, H.265+, MJPEG
	Video Streaming	Triple compressed stream
PAN / TILT / ZOOM	Pan Speed (deg/sec)	NA
	Tilt Range below horizontal (deg)	0-90
	Tilt Speed (deg/sec)	NA
	Optical Zoom	NA
	Digital Zoom	16X
AUDIO	Audio Support	Yes
	Audio Compression	G.711, A-Law, U-Law
	Audio Streaming	Full Duplex

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Number of Audio Input Channel	1
	Number of Audio Output Channel	1
	External Microphone Support	Yes
ALARM	Alarm Support	Yes
	Number of Alarm Digital Input	1
	Number of Alarm Relay Output	1
	Pre/Post Alarm Buffer	Yes
SECURITY	IP Address Filtering	Yes
PERFORMANCE	Minimum Illumination for Capturing Color Image	0.01, 0.005, 0.008, 0.002, 0.001 Or lower (lux)
	Electronic Shutter Speed(sec)	1 to 1/100,000
	WDR (Wide Dynamic Range)	120 dB
	SNR (Signal to Noise Ratio)	50-60
	Auto Exposure	Auto Level Control, Electronic Level Control
FEATURES	ONVIF Support	Yes
	Privacy Zones	4
NETWORK AND INTERFACE	Supported Protocols	UDP, SNMP, IGMP, DHCP, RTP, HTTP, SMTP, FTP, ICMP, HTTPS, DNS, DDNS, RTSP, RTCP, NTP, UPnP, QoS, TCP/IP, PPPoE, 802.1X
	IP Support	Static, Dynamic
STORAGE	On Board SD Card Support	Yes
	SD Card Memory(GB)	256
HOUSING	Installation Type	Indoor
	Material of the Housing construction	Alluminium
	Protection	IP 66
	Vandal Resistant Housing	Yes
	Mounting bracket	Ceiling Mounted
POWER SUPPLY	Power Input	12 V DC, PoE
OPERATING CONDITIONS	Operating Temperature Range	-20 to +50 deg C
WARRANTY / SERVICES	Warranty	2, 3, 4, 5 Or higher (year)
	Time for Replacement of Defective Product During Warranty Period	12, 24, 36, 48, 72 Or lower (hour)

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Supply of Compatible drivers and software included	Yes
ENVIRONMENTAL / CERTIFICATION	Availability of facility & infrastructure for verification of all parameters, features, and capability with Seller	Yes
	Availability of facility to test signal to noise ratio of camera at 0-01 lux	Yes
	Conformity to Dry Heat test at 55 degree C for 16 hours as per IS :9000 latest	Yes
	Conformity to Damp heat at 40 degree C - 95% RH (cyclic test): two cycles of 16+8 hours as per IS: 9000 latest	Yes
	Conformity to Cold test at -10 / -20 degree C for 4 hours as per IS: 9000 latest, as applicable	Yes
	BIS Registration for safety general requirements as per IS 13252 (Part 1):latest	Yes
	Availability of Type Test Report from Central Govt /NABL/ILAC accredited lab to prove conformity to specification	Yes
	Certification	FCC, CE, UL, NDAA Compliant, BIS

Additional Specification Parameters - Camera For CCTV System (8 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Warranty	3 years
Display cable	2 Required 10 mtr HDMI cable for NVR to LCD connectivity
NVR compatibility	Camera must be compatible Matrix NVR (Product SATATYA PARAM MODEL NVR1601X)
Power	Camera to be power on through PoE switch. Network point will provided by GRSE
OEM authorization certificate	OEM authorization certificate required

* Bidders offering must also comply with the additional specification parameters mentioned above.

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

S.No./क्र. सं.	Consignee Reporting/Officer/ परेषिती/रिपोटिंग अधिकारी	Address/पता	Quantity/मात्र	Delivery Days/डिलीवरी के दिन
1	*****	*****KOLKATA	8	30

Layer 3 - Access Switch (2 pieces)

Technical Specifications/तकनीकी विशिष्टियाँ

* As per GeM Category Specification/जेम केटेगरी विशिष्टि के अनुसार

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
Specification	Maximum Number of Access /Downlink Ports	8, 12, 24, 48, 16, 32 Or higher
	Type of Switch	PoE, PoE+, UPoE, PoE++ Or higher
	Number of 10/100/1000 Base-T Ports	8, 12, 24, 48, 16, 32 Or higher
	Number of Multi-Gigabit Ports	0, 4, 8, 12, 24, 48, 2, 16, 32 Or higher
	Number of 1 G Base T Ports (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher
	Number of 1 G SFP / Base X Port (Uplink)	2, 4, 8, 12, 16, 24, 32, 48 Or higher
	Number of 10 G Base T Port (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher
	Number of 10 G SFP+ Port (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher
	Number of 40 G QSFP+ Port (Uplink)	0, 2, 4, 8, 12, 16, 24, 32, 48 Or higher
	Number of 100 G QSFP 28 Port (Uplink)	0, 1, 2, 4, 6, 8, 12, 16, 24, 48 Or higher
	Management Port (RJ 45/RS 232/USB)	Yes, No Or higher
	RAM (MB)	128, 256, 512, 1024, 2048, 4096, 8000 Or higher
	Flash Memory (MB)	128, 256, 512, 1024, 2048, 4096, 8000, 16000 Or higher
	9K MTU Supported (Minimum)	Yes Or higher
	Console Port	Yes Or higher
	Redundant Power supply	Yes, No Or higher
Redundant Fan	Yes, No Or higher	

Specification	Specification Name/विशिष्टि का नाम	Bid Requirement/बिड के लिए आवश्यक (Allowed Values)/अनुमत मूल्य
	Operating System	Yes
	Dedicated Stacking	Yes, No Or higher
	Switching Capacity / Forwarding Bandwidth (Non Blocking / Line Rate /Wired Speed) 2x (Numbers of access ports + Number of Uplink Ports) (Gbps)	16.0 Or higher
	Throughput / Forwarding Performance (MPPS)	8.0 Or higher
	Layer 2 Protocols	RSTP
	Number of VLAN Supported	255, 512, 1024, 2000, 4000 Or higher
	Number of VLAN IDs Supported	255, 512, 1024, 2000, 4000 Or higher
	Number of IPV4 Routes	500, 5000, 20000, 40000, 1000, 2000, 3000, 4000, 10000, 15000, 30000 Or higher
	Number of IPV6 Routes	500, 5000, 20000, 40000, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 10000, 15000, 30000 Or higher
	Number of Mac Address Supported (k)	4, 8, 16, 32, 64, 128, 256 Or higher
	Basic Layer-3 Protocol from day 1	Static Routing
	Advance Layer-3 Protocol from day 1	OSPFv2
	Premium Layer-3 Protocol from day 1	IS-IS
	Security Feature	802.1x
	Management Protocol	GUI
	QoS	Sflow
	PoE Power Budget (Watt)	120, 180, 240, 350, 360, 715, 720, 1100, 1440 Or higher
	Dimension / Form Factor (RU)	1
	Certification	RoHS
	MTBF (Year)	5, 6, 7 Or higher
	IPv6 Ready from day 1	Yes
	On Site OEM Warranty (Year)	3, 4, 5 Or higher

Additional Specification Parameters - Layer 3 - Access Switch (2 pieces)

Specification Parameter Name	Bid Requirement (Allowed Values)
Rack mount kit	With Rack mount kit or rack mount tray
SFP module	2 Nos. 1G SFP Slots with module (Populated with 2 1G SFP LR modules single mode)
Warranty	3 years
OEM authorization certificate	OEM authorization certificate required
Installation of camera & switch	Installation and configuration of camera, switch and setup with NVR included

* Bidders offering must also comply with the additional specification parameters mentioned above.

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	*****	*****KOLKATA	2	45

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

Buyer Added text based ATC clauses

1. DELIVERY POINT : -

Materials are to be delivered, installed and commissioned at IT department, GRSE Main Unit, 43/46 Garden Reach Road, Kolkata - 700 024.

2. PAYMENT TERMS :-

- 100% of the value of the purchase order, with full taxes and duties, through ECS/NEFT, after satisfactory delivery, installation and commissioning of material/equipment at GR SE and against submission of Performance Bank Guarantee for 10% value of the order valid till expiry of guarantee/warranty period.

OR

- 90% of the value of the purchase order, with full taxes and duties, through ECS/NEFT, after satisfactory delivery, installation and commissioning of material/equipment at GR SE. Balance 10% shall be released after expiry of guarantee/warranty period against claim.

- Payment will be released against regularising GRSE SAP purchase order. In the event of conflict between the terms & conditions of the GeM contract and the GRSE SAP purchase order, the terms & conditions as given in the GRSE SAP purchase order will prevail.
- Tax Invoice to be ink-signed, in quadruplicate and with GSTIN, relevant GST rates, HS N / SAC code nos.
- The Tax Invoice, in quadruplicate, is to be stamped by the CISF security personnel at the gate. Please ensure that your representative carries out the same failing which it will not be possible to process payment.
- Bidders are required to confirm clear acceptance of the aforesaid terms. In case of deviation, GRSE reserves the right to reject the offer as non-responsive bidder.

3. PERFORMANCE BANK GUARANTEE :-

- For claiming 100% payment, a Bank Guarantee, in a bank-sealed envelope, for 10% value of order, in GRSE's format on a non-judicial stamp paper of Rs.100/, valid for the guarantee/warranty period, must be furnished towards Performance Bank Guarantee before claiming of 100% payment.
- Bank Guarantee is to be sent by your Banker directly to the following address :- Dy. General Manager (Finance - VP), Garden Reach Shipbuilders & Engineers Ltd., GRSE 61 Park unit, 61 Garden Reach Road, Kolkata - 700 024.
- Performance Bank Guarantee format will be provided by GRSE to the awarded Bidder and same to be followed strictly. No other format is acceptable. GRSE standard format is given at Annexure--H of this enquiry.
- Bank guarantee to be issued by any scheduled commercial bank other than cooperative banks.

4. TAX :-

Sellers are requested to indicate the percentage of GST applicable for the subject item(s) in their techno-commercial bid.

5. OTHER STANDARD TERMS :-

GRSE's standard commercial terms of Liquidated Damages, Risk Purchase, Arbitration and Jurisdiction shall be applicable.

6. Technical queries, if any, are to be addressed to our Indenter / User department :-

Mr. Vinod Kumar Chakravarty - Sr. Manager (IT), GRSE Main unit

Email : Chakravarti.VinodK@grse.co.in

2. Scope of Supply

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

3. Generic

OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up

to 50 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 50% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.

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 कार्रवाई का आधार होगा।

---Thank You/धन्यवाद---