

Government of West Bengal Office of the Additional Director General & Inspector General of Police Traffic & Road Safety, West Bengal Araksha Bhavan, Block-DJ, Sector-II, Salt Lake City, Kolkata – 700091 e-mail: modernisation.traffichq@gmail.com

Notice Inviting e-Tender No. WBTHQ/ADG/eNIT-03/MOD/2022-2023 Date: 29/03/2023

The Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal invites e-Tenders on behalf of Governor, West Bengal from the bonafide manufacturers/dealers or distributers/traders & Industrial undertaking organization etc. who has tender specific authorization for the item in the table below.

Sl. No.	Name of Item	Quantity	Rate per Piece Including GST
1.	Body worn Camera (With 5 years AMC)	1000 Pcs.	₹ 9,000/-

The detailed specification of the items is mentioned in Annexure-II

2. Eligibility of Bidders: -

Only Manufacturers/Direct Importers/Dealers having the Tender specific authorization from OEM are eligible for participation in the Tender.

- 2.1.(A) (i) The process of deposit 2% of earnest money through offline instruments like Bank Draft, Pay Order etc. has been stopped for e-tender procurement of this unit. Necessary Earnest Money ₹1,80,000/- will be deposited by the bidder electronically: online-through his net banking enabled bank account maintained at any bank or offline-through any bank of generating NEFT / RTGS challan from the e-tendering portal. Intending bidder will get the beneficiary details from e-tender portal with the help of Digital Signature Certificate and may transfer the EMD from their respective bank as per the beneficiary Name and Account No, Amount, Beneficiary Bank name (ICICI Bank) & IFSC Code and e-Proc reference no.
 - (ii) Firm registered as Small Scale Industry/MSME/NISC/C&SSI Department, West Bengal may, however, be exempted from Depositing Earnest Money on production of satisfactory documents in support of this purpose.
 - (iii) Intending bidder who wants to transfer EMD through NEFT / RTGS must read the instruction of the challan generated from E-Procurement site. Bidders are also advised to submit EMD of their bid at least 3 working days before the bid submission closing date as it requires time for processing of payment of EMD.
 - (iv) Bidder eligible for exemption of EMD as per Govt. rule may avail the same and necessary documents regarding the exemption of EMD must be uploaded in the EMD folder of Statuary Bid documents.

(v) Company Registration:

The responding Bidder should be registered under statutes of India. The organization should be of repute and be incorporated/registered in India.

(vi) Trade Licence/Professional Tax/IT Return:

The responding Bidder should have valid Trade License issued by the competent authority for similar type of works and also valid Professional Tax Certificate & Tax Clearance Certificate.

(vii) Annual Turnover:

The bidder is desirable to have had an Annual Turnover of **Rs.70 lakhs** only for the last financial year. A certificate from Chartered Accountant should be attached stating the annual turnover.

(viii) Credentials:

Documents in the form of work completion certificates & payment certificates of executing similar nature of works has done **not less than 50%** of the estimated cost, which is applicable for eligibility in this tender.

(ix) Work Experience:

The Bidder is desirable to have experience in the relevant field for at least last 5 (five) years.

(x) PAN No.:

The bidder should have in its name PAN (Permanent Account Number) with Income Tax authority in India.

(xi) Goods & Services Tax (GST):

The bidder should have Goods & Services Tax Identification Number (GSTIN) in India in its name.

(xii) Authorization/OEM Certificate:

- 1. OEM producing the item proposed by the bidder shall not have been blacklisted by any State/Central Government Department or Central/State PSUs as on bid submission date.
- 2. Copy of Tender Specific Authorization Certificate from Manufacturer should be submitted for all products to be supplied otherwise the bid may be rejected.
- Actual measurement/Parameter of the samples to be submitted by the bidders in comparison with the specification has to be submitted separately under the seal and signature of the concerned OEM (As per Annexture-III).

(xiii) Proprietary Article Certificate:

In case the bidder is **OEM** i.e. Manufacturing Units, he will have to submit authentic documents/ Propriety Article Certificate.

(xiv) Solvency Certificate:

The Bidder is desirable to submit a Solvency Certificate from a Bank/CA for the current financial year.

2.1.(B) Undertaking Regarding Acceptance of the Terms & Conditions:

The bidders shall have to submit an undertaking regarding acceptance of the Terms & Conditions of the NIT in Annexure-I.

2.1.(C) Insolvency/Criminal Activities:

In case of partnership/other firm -

- a) None of the partners/owner should be insolvent, in receivership, bankrupt or being wound up and their affairs are not being administered by the Court or a judicial officer, their business activities have not been suspended and subjected to any legal proceedings.
- b) None of the partners/owner should have been convicted of any criminal offence related to professional conduct or of the making of false statement or misrepresentation as to their qualifications.
- c) The act of the breach of performance of the contract by any of the partners shall be binding on the firm.
- d) The bidder shall be construed to mean the prime bidder and all clauses as are applicable to bidder shall also be applicable to the prime bidder.

- 2.1.(D) The bidder should note that Public Procurement (Preference to Make in India), Order 2017, vide Order no-P-45021/2/2/2017-B. E-II dated-15-06-2017 issued by Govt. of India, Ministry of Commerce and Industry, Department of Industrial Policy and Promotion (Public Procurement Section), Udyog Bhawan, NEW Delhi shall be followed.
- 2.2. In the event of e-filling, tending bidder may downloads the tender documents from the website <u>https://wbtenders.gov.in</u> in directly with help of Digital Signature Certificate. Technical Bid and Financial Bid both will be submitted concurrently duly digitally signed in the <u>https://wbtenders.gov.in</u>. Tender document may be downloaded from website and submission of Technical Bid and Financial Bid as per tender time schedule stated in clause

2.3. (a) Bid will remain valid for a period of 1 (one) year from the issuance Letter of Acceptance (LoA). May be extended for another 06 months' subject to approval of concerned authority and bidder/bidders, if required.

- (b) Conditional/incomplete bid & joint ventures will not be considered.
- (c) Tenderers should specify the address within the City of Kolkata and Phone/Mobile, Fax No./e-mail I.D. for the purpose of quick communication in the event of urgency.
- (d) Deviation Statement (if any) may also be enclosed.

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- (e) There should be an onsite manufacturing guarantee/warranty as per OEM for the item with a mention of specific period.
- (f) West Bengal Police Department reserves the right to inspect the premises of the manufacturer and see the process of manufacturing of the products mentioned in the tender.
- (g) Manufacturer warranty should be assured for wear & tear, UV stabilization, Flexibility etc. It should be properly specified. What is the minimum warranty period?
- (h) The weight of the unit and the material to be used for manufacturing of all the products should be properly specified indicating the minimum warranty period.
- (i) Bidders should submit their work experience by the company.
- (j) The West Bengal Police Department is free to get the sample tested from any reputed Government Testing Laboratory for material used in manufacturing as per specification mentioned in the tender.
- (k) Bidders should submit 1-year warranty certificate.
- (1) In case of tender being a manufacturing company, they have to enclose original manufacturing certificate as proof of being manufacturer. In case tenderer are a dealer/ distributor they have to enclose their original current principal manufacturer manufacturing certificate and details about their manufacturing capabilities.

All Vendors/Suppliers/Manufacturers may start taking steps to ensure:

- 2.4. Bidders should have valid Trade License & GST Registration.
- 2.5. That they have a Service Centre (for technical equipment) in West Bengal (preferably around in or around Kolkata). Vendors/Suppliers should have the authorization of the OEMs/or then authorized dealer/agents for repair and maintenance of the equipment supplied.

- **2.6.** Where ever the supplier / fabricator, manufactures the equipment, the specifications of the material used in fabrication needs to be verified. The same can be done by
 - (a) Submitting a test certificate from a Government Test Laboratory / Agency.
 - (b) Destructive test (at the cost of the supplier) of 1/2 units randomly selected from the supplied material.
 - (c) Submitting the purchase document of the raw-material along with the test certificate of the raw material manufacturer.
- **2.7.** Where ever the supplier/fabricator, manufactures the equipment, a team from Traffic HQ would undertake spot visits to the fabrication site for verification.
- 2.8. All equipment should have an all-weather proof sticker stating the manufacturer's name / batch number, serial number and date of manufacture. The same should be affixed at an appropriate location (not very visible but easily accessible for inspection). If there is any issue with the placement or size or site of placement the same would be finalized in the pre-bid meeting.
- 2.9. Orders for the supply of the approved products will be placed with the successful tenderers after the execution of the agreements, and such supply shall have to be made in such instalments as may be fixed or spread over the period to be specified in the supply orders to be made in pursuance of the agreements. The successful tenderer will have to supply within the specified time schedule that had been assured at the time of selection as supplier.
- **3.0.** The selected contractors shall have to deposit 5% security deposit of the total contract value of the items in favour of the Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal in G P Notes/ Bank Guarantee Bond/F.D.R. of any nationalized bank and to execute an agreement of contract within 3 (three) days from the date of issue of the work order failing which the letter of acceptance, so issued, may be treated as cancelled as well as the earnest money so deposited may be forfeited and the firm may be blacklisted. No interest would be paid on the performance Security Deposit. Payment will be made as and when fund will be available from the concerned source subject to complete supply of articles.
- **3.1.** It should be noted that the firm/firms will be selected purely on a "PROVISIONAL BASIS" and the forecast requirement may increase or decrease by any quantity during the period of validity of the tender.
- 3.2. The bidder should not have been blacklisted by any Central/State Government/Public Sector Undertaking for the tendered item and/or any other item. An undertaking in this regard should be submitted by the bidder otherwise the bid shall be summarily rejected. If the selected firm is found/detected Blacklisted by any Central/State Government/Public Sector Undertaking (for the tendered item or any other item) at any stage of procurement process, the acceptance of the selected firm and/or the supply order etc, if issued would be treated as cancelled and the contract in whole will be terminated with immediate effect without any intimation to the concerned firm.
- 3.3. Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal reserves the right to reject any/or all the tendered rates without assigning any reason and not to place any orders even after selection and is not liable for any cost that might have incurred by any bidder at the stage of bidding and also reserves the right to, divide the contract amongst any number of tenderers, if required so. Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal does not bind himself to accept the lowest rate.
- 3.4. Selected contractors will have to supply articles according to the indents placed with them from time to time within the specified period as per approved sample and/or the product demonstrated for inspection and evaluation, failing which the firm may be blacklisted with the forfeiture of security deposit. In the event of the non-supply of articles or if articles supplied by the selected contractors) is found to be sub-standard, the Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal may, without

notice to the contractors) purchase from elsewhere the articles required. Any loss incurred by reason of the price paid for such article(s) or any other loss or expense incurred by reason of such default on the part of the contractors) may be deducted from the bills or any money payable to the contractors) or from the security deposit of the concerned contractor(s). If the performance of the supplied items/equipment are found unsatisfactory or not as to our desired level even after payment, the supplier has to refund the entire amount paid to him earlier for that particular item/equipment.

SI. No.	Particulars	Date	Time	
1.	Date of hosting of documents at Departmental Website "policewb.gov.in"/ "www.wbtenders.gov.in"	Within 24 hours from the day of paper publication.		
2.	Documents Download/sell start date (Online)	From the day of	NIT publication	
3.	Documents Download/Sell End date (Online)	17-04-2023	12.00 PM	
4.	Pre-Bid Meeting Date.	05-04-2023	12:30 PM	
5.	Bid submission start date (Online)	From the day of	NIT publication	
6.	Bid submission closing date (Online)	17-04-2023	12.00 PM	
7.	Technical Bid opening (Bid A)	19-04-2023	01:00 PM	
8.	Technical Demonstration Date & Time	24-04-2023 at 01:00 PM		
9.	Type of Bid	Two bid system (Tech & Fin)		
10.	Delivery Period	60 days from the date of issuance of work order.		
11.	Bid validity offer	Bid will remain valid for a period of 1 (one) year from the issuance Letter of Acceptance (LoA). May be extended for another 06 months' subject to approval of concerned authority and bidder/bidders, if required.		
12.	Tender opening Place	Office of the Additional Director General of Police (Traffic & Road Safety), Araksha Bhawan, 1 st Floor, Sector-II, Block-DJ, Salt Lake City, Kol- 700 091. e-mail: modernisation.traffichq@gmail.com		

3.5. Important Dates:

4. <u>General guidance for e-Tendering:</u>

4.1. Registration of the Contractor:

Any contractors willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement System, through logging on to **https://wbtenders.gov.in** (the Web Portal of Public Works Department) the contractor is to click on the link for e-Tendering site as given on the web portal.

Digital Signature Certificate (DSC):

Each Contractor is required to obtain a Class-II OR Class-III Digital Signature Certificate (DSC) for submission of tenders for the approval service of the National Informatics Centre (NIC) on payment of requisite amount. Details are available at the website stated in Clause-I above DSC is given as a USB e-Token.

The contractor can search & download N.I.T. & Tender Document(s) electronically from computer once he logs on to the website mentioned in Clause-I using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.

4.2. Submission of Tenders:

Tenders are to be submitted through online to the website stated in Clause-I in two folders at a time for each work, one in Technical Bid & the other in Financial Bid before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digital Signed. The documents will get encrypted (transformed into non readable formats).

4.3. Penalty Clauses:

PENALTY FOR FORMATION OF CARTEL OR FURNISHING OF FRAUDULENT/ MISLEADING DOCUMENTS: If during the tender process or at any state during the validity of the tender period, it is found that a Tenderer(s) has formed a cartel in what so ever from or name to fix up the rates or suppliers to the detriment of the fairness of the tender process, penal measures shall be initiated. Similar penal measures shall also be initiated against those tenders who have submitted false/ misleading/fraudulent documents or made incorrect declarations. The penal measure will be forfeiture of Earnest Money, Forfeiture of Performance Bank Guarantee if enlisted as a supplier.

4.4. <u>Technical Proposal:</u>

The Technical proposal should contain scanned copies of the following in two covers (folders).

(a) Statutory Cover containing the following documents:

- (1) NIT
- (2) EMD
- (3) CREDENTIAL DOCUMENTS, VIZ., TRADE LICENSE, INCOME TAX/PAN, GST, LETTER OF AUTHORIZATION/DPL/OEM
- (4) AGREEMENT PAPER
- (5) TECHNICAL SPECIFICATION.

(b) Non-statutory Cover containing the following documents:

SL No.	Category Name	Sub-Category Description	Detail(s)	
A	Certificate(s)	Certificate(s)	GST Registration Certificate. PAN. Latest P Tax (Challan). Latest IT Receipt. Latest IT-Saral. Tender specific Authorization is desired for this Tender.	
В	Company Detail(s)	Company Detail	Proprietorship Firm (Trade License) Partnership Firm (Partnership Deed, Trade License) Ltd. Company (Incorporation Certificate, Trade License) Society (Society Registration Copy, Trade License) Power of Attorney.	
С	Credential	Credential	Work Order on Road Safety equipment Completion Certificate.	
D	Balance Sheet	Balance Sheet 2019-2020 Balance Sheet 2020-2021 Balance Sheet 2021-2022		
Е	Manpower	Employee/ Technical Personnel	Self-Declaration	

THE ABOVE STATED NON-STATUTORY/TECHNICAL DOCUMENTS SHOULD BE ARRANGED IN THE FOLLOWING MANNER

Click the check boxes beside the necessary documents in the My Document list and then click the tab "Submit Non-Statutory Documents" to send the selected documents to Non-Statutory folder.

Next Click the tab "Click to Encrypt and upload" and then click the "Technical" Folder to upload the Technical Documents.

NOTE: BLACK & WHITE SCAN, MULTIPAGE SCAN, DPI MAX 200-300

4.5. Training & Technical Support:

The after sale training, technical support during Warranty for the tendered item(s) should be done by the Contractor "Free of Cost". An Undertaking should be submitted along with the bid.

4.6. FINANCIAL PROPOSAL:

(a) The contractor is to quote the rate online through computer in the space marked for quoting rate in the BOQ.

(b) If any contractor is exempted from payment of EMD, copy of relevant Government Order needs to be furnished.

(c) The financial proposal should contain the following documents in one cover (folder) i.e., Bill of Quantities (BOQ).

(d) Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the contractor. If any tenderer fails to produce the original hard copies of the documents like Completion Certificates and any other documents on demand of the Tender Evaluation Committee within a specified time frame or if any deviation is detected in the hard copies from the uploaded soft copies, it may be treated as submission of false documents by the tenderer and action may be referred to the appropriate authority for prosecution as per relevant IT Act.

5. **Opening & Evaluation of Tender:**

- a. Opening of Technical Proposal: A Committee formed by Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal will open the Technical bid of the Tender.
- b. Opening of Technical Bid: All Bidders are requested to remain present details presentation with sample at Araksha Bhavan, Block: DJ, Sector: -II, Salt Lake City, Kolkata: -700091 at the time mentioned above i.e Opening of Technical Bid 19-04-2023 at 01.00 PM The Bidders will not be considered for financial bid if the samples there are not approved by the committee appointed by the Tender Committee.
- c. Cover (folder) for Statutory Documents will be opened first and if found in order, cover (folder) for Non-Statutory Documents will be opened. If there is any deficiency in the Statutory Documents the tender will summarily be rejected.
- d. Decrypted (transformed into readable formats) documents of the non- statutory cover will be downloaded & handed over to the Tender Evaluation Committee.
- e. Summary list of technically qualified tenderers will be uploaded online.
- f. Pursuant to scrutiny & decision of the Tender Evaluation Committee the summary list of eligible tenderers & the serial number of work for which their proposal will be considered will be uploaded in the web portals.

- g. During evaluation the committee may summon of the tenderers & seek clarification/information or additional documents or original hard copy of any of the documents already submitted & if these are not produced within the stipulated time frame, their proposals will be liable for rejection.
- h. All Bidders are requested to be present in the office of the Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal at the time of opening the financial bid. Any objection in respect of alternation of bid will not be entertained raised by any bidder who will present or absent during opening of bid. No informal bidder will be entertained in the bid further.

6. Demonstration:

The demonstration of the item/equipment will have to be arranged by the bidder before the Tender committee during technical evaluation on a convenient date after opening of the technical bid. If any or all the items/equipment are not found suitable and/or up to the mark by the members of the Tender Committee, the same shall be liable to be rejected. The decision of Tender Committee and/or any other Committee constituted for the purpose will be taken as final. The bidder is liable for the cost of equipment/product of demonstration and the Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal will never accept the demonstrated items for his own purpose at the time of delivery.

7. Rejection of Bid:

The Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal reserves the right to reject any/or all the tendered rates without assigning any reason further he may not place any orders even after selection and he will not be liable for any cost that might have incurred by any bidder at the stage of bidding. He reserves the right to divide the contract amongst any number of Tenderers if required so he reserves right to place order for quantity mentioned in excess or less than, which is mention in table of Para – I depending on the availability of fund. Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal does not bind himself to accept the lowest rate.

a. Canvassing on the part of tenderers will render his tender to cancellation summarily.

b. For any clarification regarding the tenderer are requested to visit Shri Jayanta Chakraborty, Inspector (Modernization), Traffic HQ, Araksha Bhawan, Block-DJ, Sector-II, Salt Lake City, Kolkata: 700091.

NB: Any inconsistencies in the descriptions may be expeditiously brought to the notice of the tendering authority.

8. WARRANTY & MAINTENANCE:

- a) Contractor will have to give 05 (five) years comprehensive warranty on all components from the date of acceptance of supplied item(s). After completion of comprehensive warranty period West Bengal Police may go for fresh AMC with the supplier. Hence bidder should maintain sufficient stock of spares with them even after the expiry of the warranty period.
- b) The Contractor is liable for repairing all or any sort of damage detected during the warranty period completed free of cost.
- c) During the warranty period no active component should be declared "End of Life". In case it is declared "End of Life" during this period, the vendor has to replace such equipment at their own cost. A letter of Confirmation by OEM shall be mandatory.

9. AWARD OF CONTRACT:

The Bidder whose Bid has been accepted will be notified by the Tender Inviting & Accepting Authority through acceptance letter / Letter of Acceptance both online & offline to save time.

The notification of award will constitute the formation of the Contract.

The Agreement in prescribed format in admissible stamp duties will incorporate all agreements between the Tender Accepting Authority and the successful bidder/bidders. The time frame for attending the fault and restoration of equipment within the warranty period and penalty clause for the defaulters will be included in the agreement. All the tender documents including N.I.T. & B.O.Q. will be the part of the contract documents. After receipt of Letter of Acceptance, the successful bidder shall have to submit requisite copies of contract documents downloading from the website stated in the N.I.T. along with requisite cost through Demand Draft issued from any nationalized bank in favor of Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal for the concerned work within time limit to be set in the letter of acceptance.

10. DELIVERY/COMPLETION OF WORK:

The delivery/completion of work period shall in no case exceed a period of **60 days** of the issuance of Work Order. The ADG & IGP Traffic & Road Safety, West Bengal reserve the right to extend the delivery period against any satisfactory reason thereafter. In case of failure of completion of delivery/supply within the stipulated period shall impose penalty as per Govt. rules.

11. VALIDITY PERIOD:

Bid will remain valid for a period of 1 (one) year from the issuance Letter of Acceptance (LoA). May be extended for another 06 months' subject to approval of concerned authority and bidder/bidders, if required.

Additional Director General & Inspector General of Police Traffic & Road Safety, West Bengal

ANNEXURE-I

APPLICATION FORMAT

(To be furnished in the Company's official letter pad with full Address and Contact No., etc.)

То

Additional Director General & Inspector General of Police Traffic & Road Safety, West Bengal Araksha Bhavan, Block: -DJ, Sector-II, Salt Lake City, Kolkata: - 700091.

> Sub: NIT for Traffic Equipment at Office of the Additional Director General & Inspector General of Police, Traffic & Road Safety, West Bengal, Araksha Bhawan, Block-DJ, Sector-II, Salt Lake City, Kolkata: -700091.

Ref:-

Sir,

Having examined the pre-qualification & other documents published in the N.I.T, I /we hereby submit all the necessary information and relevant documents for evaluation:

1. That the application is made by me / us on behalf ofduly authorized to submit the offer. The authorization letter from the Company is attached in Annexure III.

2. We accept the terms and conditions as laid down in the NIT mentioned above and declare that we shall abide by it throughout the tender period.

3. We are offering rate for the following item /items and assure supply to the Traffic Headquarters, West Bengal Government of West Bengal as mentioned in Page-1.

OR

5. In the event of being selected, supply will be made within the stipulated period excepting the condition which is beyond our control.

6. We understand that:

(a) Tender Selection Committee can amend the scope & value of the contract bid under this project.

(b) Tender Selection Committee reserves the right to reject any application without assigning any reason.

Date: -

Signature of applicant including title and capacity in which application is made. Telephone No.: Mobile No.: E-Mail address:

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No			No	N	
1.	Tender Specific authorization Certificate of OEM.				
2.	The Manufacturer / OEM warranty should be assured for wear & tear, UV stabilization, etc. should be properly specified as per tender mention period.				
3.	In case of Tender being a manufacturing company, they have to enclose original manufacturer certificate as proof of bring manufacturer. In case tenderer is a dealer / distributor they have to enclose their principal manufacturers certificate and details about their manufacturer capabilities.				
4.	Application submitted in Annexure I				
5.	Copy of relevant G.O. exempted form payment of EMD				
6.	Last 3 years Balance Sheet i.e. for 2019-20, 2020-21 & 2021-22.				
7.	Trade License, Copy of PAN Card,				
8.	Income Tax, GST Registration Certificate, Latest P Tax Challan, Latest ITR,				
9.	Affidavit of non- conviction affirmed before a Notary public/ First Class Judicial Magistrate/Executive Magistrate (affidavit sworn after 01.01.2019)				

ANNEXURE-II

Generic specification	of Body Worn Camera
Camera Image Sensing capacity (Mega Pixels)	10 MP or better (minimum 24 MP for still)
Recording resolution	1920 x 1080 Pixel or better (minimum 1296P resolution for video)
Field of view of Lens (Wide Angle)	140 to 170 Degrees
Recording Speed (Minimum)	30 fps or better
Day and Night Camera with Night vision integrated wi	ith infrared LED light
Minimum distance of IR illumination in complete darkness	10 meter or better
Screen size / type	Minimum 2"/ Color Display or better
Flash	Flash when required/Manual
Capable to take photographs while video recording	
Date and Time Stamping onto videos / photographs	
Minimum 1No USB for Connectivity interface	
Supported Picture or image format	JPEG and other suitable format if any.
Video output format MOV and other suitable format if any.	
Supported Video Compression format MPEG-4 / H.264 or better	
Supported Audio Compression format MP3 or better	
Video compression frame rate	Upto 30 fps
Device should be light weight and between 100 to 150 C	Grms
Details of attachments for mounting, (such as Pocket mount, Molle mount, Chest mount, Shoulder mount) inclusive in the supply	Chest Clip
List of items included in the supply package	USB;Chest Clip;Charger

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Security features	User not permitted to delete/edit/overwrite of videos/photographs	
Configuration and Video Management (inclusive in the scope of supply)	Management software allows the administrator to back-up and transfer data from one or multiple devices and also allow query on the basis of device, user, time, filename etc. All configurations including adjustment of real time clock, delete / overwrite of videos / photographs is possible only through the management software controlled by the administrator	
Storage type	Micro SD memory card	
Storage capacity	32 GB	
Memory card Expandable upto	64 GB	
Data transfer	USB 2.0	
Source of Power	Powered by rechargeable cells	
Battery	Inclusive in the supply	
Chemistry of rechargeable Battery	Li-ion	
Battery capacity	3000 to 3200 mAh	
Active Battery Back-up in continuous video mode	2 to 4 hours	
Battery recharge time from empty to full capacity	4 hours or less	
Separate Battery charger (Inclusive in the scope of supply)	Yes	
Protection against Dust, Water	IP 65	
Operating Temperature (minimum)	-30 degree Celsius	
Operating Temperature (maximum)	55 degree Celsius	
Operating Humidity - Non condensing (RH)(%)	93	
Certification	The product should be BIS (ISI) Certified	

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ANNEXURE-III

Generic specification of	Body Worn Camera	Actual Measurement of the Sample
Camera Image Sensing capacity Mega Pixels)	10 MP or better (minimum 24 MP for still)	
Recording resolution	1920 x 1080 Pixel or better (minimum 1296P resolution for video)	
Field of view of Lens (Wide Angle)	140 to 170 Degrees	
Recording Speed (Minimum)	30 fps or better	
Day and Night Camera with Night vi light	sion integrated with infrared LED	
Minimum distance of IR illumination in complete darkness	10 meter or better	
Screen size / type	Minimum 2"/ Color Display or better	
Flash	Flash when required/Manual	
Capable to take photographs while v	video recording	
Date and Time Stamping onto video	s / photographs	
Minimum 1No USB for Connectivity	y interface	
Supported Picture or image format	JPEG and other suitable format if any.	
Video output format	MOV and other suitable format if any.	
Supported Video Compression format	MPEG-4 / H.264 or better	
Supported Audio Compression format	MP3 or better	
Video compression frame rate	Upto 30 fps	

Details of attachments for mounting, (such as Pocket mount, Molle mount, Chest mount, Shoulder mount) inclusive in the supply	Chest Clip	
List of items included in the supply package	USB;Chest Clip;Charger	
Security features	User not permitted to delete / edit / overwrite of videos / photographs	
Configuration and Video Management (inclusive in the scope of supply)	Management software allows the administrator to back-up and transfer data from one or multiple devices and also allow query on the basis of device, user, time, filename etc. All configurations including adjustment of real time clock, delete./ overwrite of videos / photographs is possible only through the management software controlled by the administrator	
Storage type	Micro SD memory card	
Storage capacity	32 GB	
Memory card Expandable upto	64 GB	
Data transfer	USB 2.0	
Source of Power	Powered by rechargeable cells	
Battery	Inclusive in the supply	
Chemistry of rechargeable Battery	Li-ion	
Battery capacity	3000 to 3200 mAh	
Active Battery Back-up in continuous video mode	2 to 4 hours	
Battery recharge time from empty to full capacity	4 hours or less	
Separate Battery charger (Inclusive in the scope of supply)	Yes	
Protection against Dust, Water	IP 65	

Operating Temperature (minimum)	-30 degree Celsius	
Operating Temperature (maximum)	55 degree Celsius	
Operating Humidity - Non condensing (RH)(%)	93	
Certification	The product should be BIS (ISI) Certified	

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