



TENDER DOCUMENT
SYAMA PRASAD MOOKERJEE PORT, KOLKATA
(Erstwhile Kolkata Port Trust)
KOLKATA DOCK SYSTEM
MATERIALS MANAGEMENT DIVISION
6, GARDEN REACH ROAD
KOLKATA - 700023

E-TENDER FOR PROCUREMENT, INSTALLATION & COMMISSIONING OF SECURITY ITEMS
FOR CISF UNIT OF KOLKATA DOCK SYSTEM
NOTICE INVITING TENDER No. Str/Advt/03/21-22/46/II Dated: 24.05.2021

TENDER NOTICE:

Materials Management Division under Mechanical & Electrical Engineering Department of SMP, Kolkata invites E-Tender online offers under Two part system (i.e. Techno-Commercial Bid and Price Bid) for "Procurement, Installation & Commissioning of various security items for CISF Unit of KDS, SMP Kolkata as per the technical specifications contained herein the tender documents **from Manufacturers or their Authorized Agents / Dealers / Distributors / Stockiest.**

This is a TWO PART TENDER. For this the offer shall have to be uploaded in two separate parts namely "Techno-commercial Bid" and "Price Bid." The "price bid" of only the bidders who's "Techno-commercial Bid" are found satisfactory, will be opened.

Bid Document may be downloaded from RailTel's e-NIVIDA Portal website i.e. <https://kopt.enivida.in/> and SMP, Kolkata website. <https://smpportkolkata.shipping.gov.in/> Corrigenda or clarifications, if any, shall be hosted on the above mentioned websites only.

SCHEDULE OF TENDER (SOT)

a TENDER NO.	Str/ Advt/03/21-22/46/II dated: 24.05.2021
b. MODE OF TENDER	e-Procurement System (Online offers in two part system through RailTel's e-NIVIDA portal website i.e. https://kopt.enivida.in/ The intending bidders are required to submit their offer electronically through RailTel's e-NIVIDA Portal website i.e. https://kopt.enivida.in/ . <u>No physical tender is acceptable by Kolkata Dock System.</u>
c. Scope of work	Procurement, Installation & Commissioning of various security items mentioned at Annexure-C
d. Date of NIT available to parties to download (DD/MM/YYYY)	24.06.2021 at 10.00 hrs.
e. Pre-Bid Meeting starting date & Time (DD/MM/YY)	N.A.

f. Pre -Bid Meeting closing date & Time (DD/MM/YY)	N.A.
g. i) Earnest Money Deposit ii) Tender Cost iii) RailTel Tender Processing Fee (Non - refundable)	<p>No EMD is required to be remitted. Instead, a duly filled in Bid Securing Declaration form at Annexure-E is to be furnished along with the techno commercial offer.</p> <p>“Tender Cost” containing Banker’s cheque or Pay Order or Demand Draft from any of the Nationalized/Scheduled Banks in India having branch in Kolkata drawn in favour of “Syama Prasad Mookerjee Port Kolkata” of Rs 1,770/- (Rupees One Thousand Seven Hundred Seventy only) inclusive GST@18% as the cost towards purchase of tender document (applicable for downloaded NIT only) or Treasury Receipt of the deposit issued by the Treasurer, Kolkata Port Trust, as the case may be. All Banker’s cheques /Pay Orders/Demand Drafts should be drawn in favour of “Kolkata Port Trust” on any nationalized/Scheduled bank having branch in Kolkata. (The firms registered with NSIC Ltd. or MM Division for the items tendered for are exempted from submission of tender cost.)</p> <p>Mode of Payment:- E-payment Only through Debit/ Credit Card or Net Banking. Tender Processing Fee(TPF)- 0.1% of estimate cost (Minimum 750/- and Maximum 7500/-) plus GST Registration Charges: Rs. 2000/- + Applicable GST Per Year</p>
h. Last date of submission of Bid Document fee at KDS (DD/MM/YYYY)	15.07.2021 up to 14.00 hrs.
i. Date of Starting of e-Tender for submission of on line Techno-Commercial Bid and price Bid at https://eprocure.gov.in/eprocure/app (DD/MM/YYYY)	24.06.2021 at 10.00 hrs.
j. Date of closing of online e-tender for submission of Techno-Commercial Bid & Price Bid. (DD/MM/YYYY)	15.07.2021 at 14.00 hrs.
k. Date & time of opening of Techno-Commercial Bid (DD/MM/YYYY)	15.07.2021 at 15.00 hrs.

1. Date & time of opening of Price Bid (DD/MM/YYYY)	To be informed separately by letter or email or telephone.
--	--

List of Annexure

Instructions to Tenderers	Annexure - A
Commercial Terms & Condition	Annexure - B
Schedule of Requirement	Annexure - C
Contract forms	Annexure - D
Bid Securing Declaration Form	Annexure - E
Check List	Annexure - F

INSTRUCTIONS TO TENDERERS

This is an e-procurement event of Syama Prasad Mookerjee Port, Kolkata (Erstwhile Kolkata Port Trust). The e-procurement service provider is RailTel's eNIVIDA Portal.

You are requested to read the terms & conditions of this tender before submitting your online tender. Tenderers who do not comply with the conditions with documentary proof (wherever required) will not qualify in the Tender for opening of price bid.

1	<p>Online tenders through RailTel's eNIVIDA Portal are invited by Syama Prasad Mookerjee Port, Kolkata from GST registered domestic Contractors for executing the work.</p> <p>The tender document through RailTel's eNIVIDA Portal is open from 23.02.2021 to 23.03.2021 and can be downloaded from the official website of SMP, Kolkata and through RailTel's eNIVIDA Portal.</p> <p>The complete tender document can be downloaded from Syama Prasad Mookerjee Port, Kolkata website: https://smpportkolkata.shipping.gov.in/ and RailTel's eNIVIDA https://kopt.enivida.in/ and bidders are required to submit tender offer through RailTel's eNIVIDA Portal on or before the due date and time of submission. The tenderer shall upload the scanned copy of the DD instruments towards the cost of EMD and bid documents set as proof of payment towards EMD and cost of Bid documents while submitting the tender electronically in the RailTel's eNIVIDA.</p> <p>Bidders are requested to use internet Browsers Firefox version below 50 / Internet Explorer version 8 or above, and Java 8 Update 151 or 161. Further, bidders are requested to go through the following information and instructions available on the eNIVIDA Portal https://kopt.enivida.in/ before responding to this e-tender :</p> <ul style="list-style-type: none"> • Bidders Manual Kit • Help for Contractors • FAQ 			
2	<p>The Techno-commercial Bid and the Price Bid shall have to be submitted online at https://kopt.enivida.in/</p> <p>(A). Part - I (Techno-Commercial bid): Would be opened electronically on specified date and time as given in the NIT. Bidder(s) can witness the opening of Techno-commercial Bid electronically.</p> <p>(B) Part - II (Price bid): Would be opened electronically of only those bidder(s) whose Part - I Techno-Commercial bid are acceptable by SMP, Kolkata. Such bidder(s) will be intimated the date of opening of Part II (Price bid) through valid e-mail/telephone/letter. Bidder(s) can witness the 6 opening of Bids electronically.</p> <p>The tenderers are advised to offer their best possible rates. There would generally be no negotiations. Bidders are requested to submit their most competitive prices while submitting the price bid.</p>			
3	<p>All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.</p>			
4	<p>In case of any clarification, please contact SMP, Kolkata (before the scheduled time of the etender). Contact person (SMP, Kolkata):</p> <table border="1" data-bbox="193 1693 1477 1906"> <tr> <td data-bbox="193 1693 619 1906"> <p>1. Mr. S. Mukherjee Dy. Chief Mechanical Engineer-I Mob No.9836298678 Email:shoven@kolkataporttrust.gov.in</p> </td> <td data-bbox="619 1693 1050 1906"> <p>2. Mr. N. Bhutia Sr. Dy. Materials Manager-I Mob No. 9051888657 Email:nbhutia@kolkataporttrust.gov.in</p> </td> <td data-bbox="1050 1693 1477 1906"> <p>3. Mr. B. Kumar Executive Engineer Mob No. 9454226779 Email:bharatkumar@kolkataporttrust.gov.in</p> </td> </tr> </table>	<p>1. Mr. S. Mukherjee Dy. Chief Mechanical Engineer-I Mob No.9836298678 Email:shoven@kolkataporttrust.gov.in</p>	<p>2. Mr. N. Bhutia Sr. Dy. Materials Manager-I Mob No. 9051888657 Email:nbhutia@kolkataporttrust.gov.in</p>	<p>3. Mr. B. Kumar Executive Engineer Mob No. 9454226779 Email:bharatkumar@kolkataporttrust.gov.in</p>
<p>1. Mr. S. Mukherjee Dy. Chief Mechanical Engineer-I Mob No.9836298678 Email:shoven@kolkataporttrust.gov.in</p>	<p>2. Mr. N. Bhutia Sr. Dy. Materials Manager-I Mob No. 9051888657 Email:nbhutia@kolkataporttrust.gov.in</p>	<p>3. Mr. B. Kumar Executive Engineer Mob No. 9454226779 Email:bharatkumar@kolkataporttrust.gov.in</p>		
5	<p>All notices / corrigendum and correspondence to the bidder(s) shall be sent by email only during</p>			

	the process till finalization of tender by SMP, Kolkata. Hence, the bidders are required to ensure that their corporate email I.D. provided is valid and updated at the stage of registration of vendor with RailTel's eNIVIDA portal (i.e. Service Provider). Bidders are also requested to ensure validity of their DSC (Digital Signature Certificate).
6	E-tender cannot be accessed after the due date and time mentioned in NIT
7	<p>(a). MSEs registered with NSIC under Single Point Registration scheme/DIC are exempted from depositing Tender Fee and Earnest Money. But all the NSIC/DIC registered firms are not exempted from depositing Tender Fee and Earnest Money. Only those firms, having documents of such exemption for the entire tendered work (as per the Bill of Quantity) would be exempted. Documentary evidence must be uploaded for claim of such exemption, failing which their tender would be summarily be rejected.</p> <p>(b). The process involves Electronic Bidding for submission of Tender Document Fee and EMD, Techno- Commercial Bid as well as Price Bid.</p> <p>(c). The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.</p> <p>(d). All electronic bids submitted during the e-tender process shall be legally binding on the bidder. Any bid will be considered as valid bid if it fulfils all the terms and conditions of the Tender Document.</p> <p>(e). It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.</p> <p>(f). SMP, Kolkata reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.</p> <p>(g). No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any bidder confirms his acceptance of terms and conditions for the tender.</p> <p>(h). Unit of Measure (UOM) is indicated in the e-tender Floor. Rate to be quoted in Indian Rupee Currency as per UOM indicated in the e-tender floor/ tender document.</p>
8	The e-tender shall be governed by the terms and conditions mentioned therein.
9	No deviation to the technical and commercial terms & conditions are allowed.
10	SMP, Kolkata has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.
11	The bidders must upload all the documents required as per Pre-qualification criteria and the documents enlisted under techno-commercial bid and Price-bid, failing which the tender shall lead to disqualification. Any other document uploaded which is not required as per the terms of the NIT shall not be considered.
12	The bid will be evaluated based on the filled-in technical and commercial formats uploaded.
13	The documents uploaded by bidder(s) will be scrutinized. In case any of the information furnished by the bidder is found to be false during scrutiny, EMD of defaulting bidder(s) will be forfeited. Punitive action including suspension and banning of business can also be taken against defaulting bidders.
14	Price bid must be filled-up in EXCEL Sheet through eNIVIDA PORTAL (which is uploaded by SMP, Kolkata).
15	EMD & Tender Fee should reach this office physically before opening of Tender document, failing which techno-commercial bid will not be opened.
16	EMD & Tender Fee details are to be treated as essential documents should upload with the other essential documents.

COMMERCIAL TERMS & CONDITIONS

Concurrence and remarks for all commercial terms & conditions will be taken on-line.

1. ELIGIBILITY CRITERIA OF THE BIDDERS
(Following documents to be uploaded along with Techno-commercial bid)
 - Tenders are invited from Manufactures or their Authorized Agents /Dealers / Distributors /Stockiest.
 - Following documents for meeting the pre-qualification criteria should be uploaded along with offer otherwise their offer may be rejected:-
 - i) Having experience in successfully executing supply of similar items* to Govt. , PSU or Public /Private Organization during last 2 years ending 30th April 2021 for which documentary evidence must be substantiated by uploading any one or more of the following set of documents:
 - a. Purchase Order along with respective Good Receipt Note (GRN)/Receipt Challan.
 - b. Purchase Order along with respective Supply Challan duly accepted inspected and passed.
 - c. Purchase Order along with respective Certificate of Execution by the purchaser in their letter head with signature and seal of the issuer.
 - ii) Must have Permanent A/c No, GST Registration Certificate & Valid Trade Licence issued by a competent authority.(Certificate to be uploaded).
 - iii) Must have last three years Balance sheet and Profit & Loss A/c. (audited where applicable) ending March, 2020. (Certificates to be uploaded). In the event of non submission of Audited Balance Sheets for the financial year ending 31.03.2020, the turn over for that financial year has to be submitted in lieu, duly certified by Chartered Accountant mentioning UDIN.
 - iv) For authorised dealers/ Agent/Distributors or Stockiest intending to quote, they must submit Current Valid Unconditional Authorisation Certificate issued by the Principal. (Certificate to be uploaded).

*Here similar items indicate materials having same specification as that of tendered items.
2. Price Bid: Price quoted by the tenderer shall remain fixed and valid until completion of the contract and will not be subject to variation on any account, except statutory levies for which documentary evidence is to be submitted.
3. Evaluation Criteria
 - 3.1 Evaluation will be made on the lowest (L1) landed price quoted against the individual tendered item among the techno-commercially qualified bids subject to the fulfillment of necessary Tender conditions and benefits will be extended to MSEs registered with NSIC as per New Public Procurement Policy as notified by the Government of India, Ministry of Micro, Small & Medium Enterprises (MSME) in The Gazette of India vide No. 503, dated 26.03.2012. When splitting of tender quantity is not possible purely on technical ground, trustees reserve the right not to negotiate price with MSE if their price is within the band of L1+15% in comparison with L1 price of non-MSE for consideration of award of order for 20% of tender quantity against any item as per new public procurement policy. It is not obligatory on the part of the Trustees to accept the Lowest Tender. They reserve the right to accept a Tender in full or in part and / or reject a Tender without assigning any reason thereof.
 - 3.2 In the event of Part Order being placed, the rate(s) against each of the item(s) constituting the order shall be identical to the rate(s) for the corresponding item(s) quoted in the Price Bid, tender terms and conditions shall also remain unaltered. Irrespective of whether order is placed on part or, on the whole of the BOQ no plea for subsequent withdrawal or the amendment will be entertained.
4. PERIOD OF VALIDITY OF OFFERS
 Prices offered in BOQ shall remain valid for evaluation for **120 days** from the date of opening of the Tender.

5. Full particulars as to specification, brand and makers name as must be applicable and delivery schedule, etc. should be stated, failing which the tender may not be considered.
6. REJECTION OF TENDER DOCUMENTS
Tenderer is expected to examine the Tender documents including all instruction forms, terms, and specifications in Tender documents. Failure to furnish the information required as per the Tender Documents or submission of e-tender not substantially responsive to the tender Documents in every respect may result in the rejection of the tender.
7. BIDDERS RESPONSIBILITY TO SATISFY HIS QUERIES
The tenderer may visit and inspect the site on his own responsibility and obtain all information that may be necessary for the purpose of his tender offer. No excuse of ignorance as to site conditions and local information will be accepted in the event of his not visiting the site/other equipments. All costs, charges and expenses that may be incurred by the tenderer in connection with the preparation of his tender shall be borne by him and the Trustees accept no liability whatsoever in this regard.
8. CLARIFICATION OF TENDER DOCUMENTS
Prospective tenderers requiring further information or clarification of the Tender Documents may notify the Materials Manager in writing by Fax at the Materials Manager's mailing address indicated in the invitation for tenders within a reasonable time prior to the time of submission of tender.
9. AMENDMENT OF TENDER DOCUMENTS
 - a) At any time prior to the deadline for submission of tenders, the Materials Manager for any reason whether at his own initiative or in response to a clarification required by a prospective tenderer may modify the Tender Documents.
 - b) For any and all amendments, if any, of the instant tender, such amendments will be hoisted in SMP, Kolkata Website / RailTel's e-NIVIDA Portal / CPP Portal only and no further notification will be made in the newspaper. Accordingly interested bidders are advised to keep close watch on SMP, Kolkata website, <https://smporkolkata.shipping.gov.in/> RailTel's e-NIVIDA Portal, <https://kopt.enivida.in/> / CPP publishing Portal in their own interest.
 - c) It is also to be noted that any such amendment will be a part of the instant tender document and will be binding on the bidder and it will be presumed that the bidder has satisfied himself about such amendments hoisted in SMP, Kolkata Website/ RailTel's e-NIVIDA Portal /CPP Portal. The amendment, if any as corrigendum will be binding on the prospective Tenderers.
 - d) In order to allow prospective tenderers reasonable time for taking the amendment, if any into account & preparing the tenders, the Materials Manager may at his discretion, extend the deadline for the submission as well as opening of the tenders.
10. SPECIAL INSTRUCTION:
 - i. In a tender, either the Indian agent on behalf of the principal/ O.E.M or Principal/ O.E.M itself can bid but both can't bid simultaneously for the same item / product in the same tender.
 - ii. If any agent submits bid on behalf of the Principal/O.E.M the same agent shall not submit a bid on behalf of another Principal/ O.E.M in the same tender for the same item /product.
11. OPENING OF TENDERS
 - i. The tender will be opened online. Tenderers can see the Technical and price in their login once it is opened.
 - ii. To assist in the examination, evaluation and comparison of tenders, CMO/Materials Manager may, at his discretion, ask the tenderer for a clarification of their offer. All responses to requests for clarification shall be in writing and no change in the price or substance of the tender shall be permitted.
12. The Tenders will be evaluated by SMP, Kolkata and only those offers which are substantially responsive to the specifications and terms and conditions will be short listed. Further processing, discussion, etc. will be held only with the short listed tenderers.
13. A bidder may be disqualified if the bidder provides misleading or false information in the statements and documents submitted.

14. NON-RESPONSIVE BIDDER:

An offer shall be considered non-responsive if the offer is:-

- (a) Received after the date and time specified in the tender.
- (b) Not accompanied with E. M. Deposit & cost of tender in case of down loading of tender from website.
- (c) Not valid for 120 (One hundred and Twenty) days from the opening date of Techno-commercial bid.
- (d) Not accompanied with bid documents not signed, sealed and submitted in the manner indicated in the bid document.
- (e) Not in accordance with / deviation from the tender documents.
- (f) In addition to above, a bidder may be disqualified if the bidder provides misleading or false information in the statements and documents submitted.
- (g) Corrections if required to be made in tender papers to be uploaded should be made without using white ink.
- (h) Offers non-conforming to the instructions as stated above shall be treated as non responsive and hence such offer/ offers may be liable for disqualification.

15. WITHDRAWAL OF TENDERS

Withdrawal of tender/offer in the interval between the closing date for submission of tender and the expiry of the period of its validity specified in the tender will result in forfeiture of Earnest Money.

16. RIGHT TO ACCEPT ANY TENDER OR REJECT ANY OR ALL OFFERS:

SMP, Kolkata reserves the right to accept or reject any tender and/or part thereof, without assigning any reason. SMP, Kolkata reserves the right to annul the tendering process and reject all the tenders at any time prior to award of contract, without thereby incurring any liability to the affected tenderers or any obligations to inform the affected tenderers the reason for such actions.

17. NOTIFICATION OF AWARD:

The Materials Manager shall notify the successful tenderer in writing or by fax or by email to be confirmed in writing that their offer has been accepted.

18. INDEMNITY: The contractor shall indemnify the SMP, Kolkata during the various stages of execution of the contract, regarding damages, losses of or injury to, death of-

- i. Third parties
- ii. Contractor's facilities and equipment
- iii. Contractor's personnel
- iv. SMP, Kolkata's facilities and equipment, including the goods supplied under the contract
- v. SMP, Kolkata's personnel

SMP, Kolkata shall not be liable for any claims for damage to property, injury or death of personnel of the contractor including his casual workmen etc.

19. BID SECURITY (EARNEST MONEY):

No EMD is required to be remitted. Instead, a duly filled in Bid Securing Declaration form at Annexure-E is to be furnished along with the techno commercial offer.

20. PERFORMANCE SECURITY:

- a. The tender is subject to Performance Security for an amount of three per cent (3%) of the value of the contract - which is to be submitted by the successful bidder/s in cash or in the form of Bank Draft/Pay Order drawn on any Nationalized/Scheduled Bank payable at Kolkata in favour of "Syama Prasad Mookerjee Port Kolkata", to the Treasurer, SMP, Kolkata, 15, Strand Road, Kolkata-700 001 **within 14 days from the date of placement of contract** and the copy of Treasury receipt is to be submitted to MM Division.
- b. The proceeds of the security deposit shall be payable to Kolkata Port Trust as compensation for any loss resulting out of the tenderers failure to execute the contract.

- c. SMP, Kolkata will return the security deposit without any interest as expeditiously as possible after the date of completion of Warranty period(s).
 - d. In the event of the successful bidder failing to execute the order within the stipulated delivery period without sufficient reasons acceptable to the Trustees, the Security Deposit may be forfeited and the order will be cancelled.
21. Exemption: **No Exemption from submission of Performance Security is allowed.**
 22. The Materials Manager does not bind himself to accept lowest of any tender or assign any reason for non-acceptance. He also reserves to himself the right to accept any tender in part or in whole. SMP, Kolkata reserves the right to take up to 10% beyond the tendered quantity accepted by the Trustees.
 23. The Trustees will not recognize any assignment or endorsement in favour of third parties of any order arising out of this tender other than the authorized dealer/distributor /accredited agents in respect of any payment due by the Trustees against any such order.
 24. If delivery of material is not made within the time undertaken, the order may be cancelled without notice.
 25. Any default in the supply or failure to deliver an approved quality within the time stipulated shall involve purchase of the whole or any portion of the supply remaining undelivered or unapproved from another source at the risk and expenses of the supplier.
 26. All parties quoting should state clearly in bold letters the % of taxes and duties GST (CGST, SGST or IGST as applicable) etc. that will be charged against any item as guidance at the time of placing order.
 27. **L. D. Clause** -
 - i. If the supplier fails to complete the supply within the scheduled delivery period or such extension thereof, the supplier shall pay, as compensation and not as a penalty, Liquidated Damages to the Trustees @ ½% of the basic value of the delayed portion of supply, for every week or part thereof, (part of the week being treated as a full week) provided always that the amount of such compensation shall not exceed 5% of the basic value of contract. GST on L.D. amount at the prevailing rate (presently @18%) will be levied.
 - ii. Without prejudice to any of their legal rights, the Trustees shall have the power to recover the said amount of compensation / damage from money due or, likely to become due to the supplier. The payment or, deduction of such damages shall not relieve the supplier from his obligations to complete any other liabilities and obligations under the contract.
 28. Conditional discount: Evaluation of tenders will not be made on conditional discount if any offered by the firm/s.
 29. **JURISDICTION**: The contract shall be governed by all relevant Indian Acts applicable only within the jurisdiction of the High Court at Calcutta.
 30. **INSPECTION AND TESTING**: Inspection of materials shall be done by Trustees' authorized officer of MM Division after delivery of material at the Central Store. The materials to be supplied-by the supplier should strictly conform to the laid down specification of tender / order. If and when-necessary, samples from the supplies may be drawn and the same will be tested by Trustees'-authorized person either at the trustees own arrangement or by Government Test House and if found to be inferior to the laid down specifications of tender / order, the materials will be rejected in whole or in part and supplier shall be debited with the cost of test and rejected materials shall be replaced by the supplier at his own cost and arrangement.
 31. **ARBITRATION**: For the instant tender no Arbitration will be permissible. In case of disputes the decision of the Chief Medical Officer will be final and binding.
 32. **PAYMENTS TERMS**:
Payment will be made within 30 days from the date of submission of clear bill in office of MM Division along with Bank A/C particulars supported with where applicable clear acknowledged receipted copy

- containing inspection/ acceptance note of the material by the representative of the user department/division as well as copy of the order along with other documents as required for processing the bill for payment through RTGS/NEFT/ECS.
33. In the event of any unforeseen closure of work/holiday on any of the above days the same will be opened/held on the next working day without any further notice.
 34. THE OPENING DATE OF TENDER WILL NOT BE EXTENDED UNDER ANY SITUATION AFTER DUE DATE IS OVER.
 35. BID CURRENCY: Price shall be quoted in I.N.R. only.
 36. GUARANTEE/WARRANTY: All equipment except Dragon Search light supplied shall be guaranteed for a minimum period of 12 months from the date of commissioning. Dragon Search light shall be guaranteed for 24 months from the date of supply. Guarantee/warranty certificate of the materials must be submitted with the supply
 37. DELIVERY PLACE: Materials are to be delivered directly to the office of Sr. Commandant CISF unit, 40 CGR Road, Subhash Bhavan, SMP Kolkata-700043
 38. PERIOD OF COMPLETION: Items are to be installed & commissioned at various locations of KDS, SMP Kolkata within 45 days from the date of purchase order.
 39. LICENCES AND PERMITS: The contractor shall be liable for obtaining all licenses and permits with respect to the goods supplied by him.
 40. If conditions above are not strictly complied with, the tender may not be considered.

Sd/-

Chief Mechanical Engineer (I/c)

Annexure C

**Schedule of Requirement
Specifications and Technical Details
TENDER No. Str/Advt/03/21-22/46/II Opening on 15.07.2021**

SL N O.	Name of item	Qty in Nos.	% of CGST (If applicable)	% of SGST (If applicable)	% of IGST (If applicable)
1	Door Frame Metal Detector (Multi zone) (As per detailed description & specification enclosed at Annexure-MM 1)	11			
2	X-Ray Baggage Scanner (As per detailed description & specification enclosed at Annexure-MM 2)	02			
3	Night Vision Binocular (As per detailed description & specification enclosed at Annexure-MM 3)	03			
4	Explosive Vapour Device (As per detailed description & specification enclosed at Annexure-MM 4)	01			
5	Hand Held Radioactive Detection Equipment (As per detailed description & specification enclosed at Annexure-MM 5)	01			
6	Hand Held Metal Detector (As per detailed description & specification enclosed at Annexure-MM 6)	22			
7	Mirror Trolley with illumination (As per detailed description & specification enclosed at Annexure-MM 7)	20			
8	Portable Dogleg Mirror (As per detailed description & specification enclosed at Annexure-MM 7)	17			
9	Dragon Search Light (As per detailed description & specification enclosed at Annexure-MM 7)	15			
10	Ordinary Handheld Walkie-Talkies (As per detailed description & specification enclosed at Annexure-MM 8)	45			
11	Handsfree Walkie Talkie (It should be compatible with the tender asked Ordinary Hand Held Walkie-Talkies)	08			

Mention the % of GST in above column (which is applicable)

Date:

(Signature & the Seal of the Bidder)

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of Door Frame Metal Detector (Multizone)

Sl No.	<u>Description</u>	Compiled (Yes / NO)
1	Precise detection of magnetic, not-magnetic and mixed alloy weapons.	
2	Minimum internal dimensions: 2050H X700W X600D mm. The WTMDs shall be designed in order to be assembled and disassembled quickly. The maximum allowed time for the assembling of the complete gate shall be lower than 10 minutes.	
3	RS 232C interface to allow connectivity to PC, allowing for full control of portal.	
4	Alarm for detection of metal masses (automatic or manual reset) sabotage or internal auto-diagnostics. 60 localization zones should be present.	
5	Optical signaling: Constant or proportional to mass in transit, 6m visible/400 Lux optical according to area, vertical light display on detection probe, green and red light signals proportional to mass of object in transit.	
6	Acoustic: 90 dBA at 1 meter.	
	<u>TECHNOLOGY</u>	
7	The required Walk-Through Metal Detector (WTMD) shall be latest technology (Enhanced) and it shall have very high threat detection uniformity over the whole transit area and shall have ultra high discrimination of personal metallic effects of people that transit through the gate in order to ensure an high throughput. DSP analysis with numerical filter for signals received.	
8	Demodulation of signals at high immunity.	
9	Direct indication of security level and number of transits in both directions Light bar display of location (height) of single or multiple metal masses in transit of TX antenna.	
10	Chip and card system for direct selection of security level (according to international standards or customers specs). Password for use of chip cards can be assigned. Programming access for all parameters can be protected by password.	
11	The Metal Detector shall detect the metal test pieces independently of their speed of transit through the archway (range:0.3...15 m/s).This requires constant sensitivity of variations in speed.	
12	Cable free automatic synchronization between two or more detectors at a minimum distance of 1500 mm from each other.	
13	Ethernet for collection of statistical data, remote control and control of metal detectors.	
14	Automatic adjustment to environmental conditions.	
15	The detection capability of the WTMD shall be stable without variation. The WTMD shall not require periodic recalibration.	
16	Control of correct installation relating to environment by capturing general	

	noise level "GN" and electrical noise level "EN".	
17	Auto set feature to reset operating parameters and should have Anti-tamper on/off switch.	
18	Functional test and adjustment of threshold values by means of corresponding accessories kit should be included.	
19	Safe for wearers of pacemakers or other vital support systems, pregnant women and magnetic storage area(floppy discs, audio cassettes, video cassettes and similar) (EN 50364).	
20	Confirms to current international security standards for Walk Through Metal Detectors.	
21	Satisfies EC regulations (Directive 72/23/EEC-93/68 EEC) and international standards relating to Electrical safety and electromagnetic compatibility (Directive EMC 89/336/EEC)	
22	Power supply: 100...240V~-10/+15%, 47...63Hz, 25VA max Operating Temperature:-20°C to +70°C Storage temperature:-37°C to+70°C Relative humidity: 0 to 95% (without condensation)	
23	Confirms to all safety standards for airports.	
24	Corresponds to EC regulation 1862/2006-1.3	
25	Manufactures Warrantee: Minimum 1 years	
26	On spot installations upon delivery	
27	DFMD should conform to IP65 rating, water and weather proof Model (OPTIONAL as per user Requirement)	
28	The WTMD shall be equipped with two photo cells for an automatic and very high precision bidirectional counting (number of entering and exiting persons) and statistical evaluation of transiting people and alarms.	
29	The offered model should be STAC certified in accordance to ECAC standard.	
30	Bidders needs to provide Laboratory test report regarding personal safety for Human Exposure in Electromagnetic Fields for DFMD.	

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of X-Ray Baggage Scanner

(The following is a minimum requirement)

Sl No.	PHYSICAL CONFIGURATIONS	Compiled (Yes / NO)
1	Tunnel Size, not to exceed:620mm (24.4")wide x 420mm (16.5") High	
2	Max. object size: Not less than 615 mm(24.2") wide x 410mm(16.1")High	
3	Maximum conveyor load not less than 165kg(364lbs)	
4	Overall dimensions: Not to exceed 2004 mm(78.9") Long x 850mm(33.5") wide	
5	Weight: Not to exceed 460 kg (992pounds)	
6	Design durability: Both the entrance & exit conveyor shall be surrounded by stainless steel. Stainless steel shall be utilized at the top and sides of the tunnel entry as well as at the fenders of the conveyor.	
7	Safety stops: The system must be equipped with a minimum of three (3) emergency stop buttons. One located on each side of the tunnel and a third integrated into the control panel (keyboard). The 2 emergency stop buttons on each side of the tunnel must feature a protective collar to avoid unintentional activation.	
8	The system must be equipped with at least 2 independent interlock switches at service relevant locations.	
9	The system must be equipped with at least 2 white lamps in 2 corners of the roof sheeting that indicate that the machine is powered. These lamps must be realized utilizing LED technology. Alternatively to white color these lamps must also be optionally available in green color.	
10	The system must be equipped with at least 2 X-ray on indicator lamps on the roof sheeting. These lamps shall also utilize LED technology and must be configurable via a software configuration to either permanent or blinking illumination. There must be two independent circuits that drive the X- ray indicator lamps.	
11	The system must be capable of monitoring the correct function of the X-ray on indicator lamps by observing the lamp current. Activation/ deactivation of this function must be configurable via software.	
12	The control panel (keyboard) must be equipped with no less than 2 X-ray indicator lamps. These lamps shall utilize LED technology.	
13	The system must be equipped with a network socket on the on the unit's housing.	
14	The system must also be equipped with an external USB socket on the unit's housing. For security purposes this external USB socket must be lockable with a key lock.	
15	The system must provide a mechanical theft-protection fixing for 2 kensington locks within the machine.	
16	The operator shall be able to control the unit from either side by simply switching the control panel (keyboard) and monitor direction. This must be accomplished without the need to unscrew or disconnect any component.	
17	Conveyor belt must be one continuous piece and cannot be equipped with zippers or stitched/stapled.	
18	Photosensors at the entrance and exit of the unit's tunnel shall activate the X-ray generator. The X-ray generator shall not be activated simply by starting the conveyor belt.	
19	The system must be designed as a high resolution system. The system shall have at least 1152 humidity protected X-ray detectors. All detectors shall be supported by the	

	system electronics and must be used for the generation of the high resolution image.	
20	The external X-ray dose shall be less than 1 μ SV/h measured in a distance of 5cm from the lead curtains of the tunnel entrance and exit.	
	IMAGING	
21	Penetration minimum: 35 mm of steel measured at belt speed of 0.2 m/s.	
22	Resolution : At least 39 AWG measured with pure copper wire at belt speed of 0.2 m/s.	
23	ASTM F792-08, Test 3 (spatial resolution) minimum 1mm vertical and 1mm horizontal.	
24	ASTM F792-08, Test 4 (steel penetration) minimum 30mm.	
	STANDARD FEATURES	
25	Generator: Design must be Hermetically sealed oil-bath equipped with internal bellows expansion module with no oil breathing tube or tank. 160kV operational power.	
26	If the machine fails to penetrate a particular item, then an alarm should be generated to notify the operator. The Conveyor Belt of the ZBIS should STOP Automatically upon identification of High-Density Material.	
27	Industrial quality computer designed into the equipment, not basic tower design.	
28	Infinite stripping capability, the unit must incorporate the ability to strip layers of density in an infinite manner as opposed to a step method.	
29	Dual-energy Material Discrimination (Organic/Inorganic presentation showing Organic=Orange, Inorganic=Blue, Mixed=Green).	
30	Real-time operation, all image enhancement features must be accessible to the operator without having to stop the belt.	
31	The system must provide a zoom feature allowing enlarging X-ray images stepless up to 256 times. In addition it must also allow to scale the original image down up to 2 times.	
32	Zoom position Locator Box must appear on monitor during all operations (identifies which area of the bag the operator has selected for zoom function by means of outlined box. As magnification increases, the box must reduce in size correspondingly.)	
33	Unit must be equipped with a panning zoom pad to control the zoom feature. THE USE OF A MOUSE OR TRACKBALL IS UNACCEPTABLE.	
34	Review of last 8(minimum) items each of 1 m length screened through the use of two keys located on the control panel(keyboard). One key shall allow the operator to scroll back in one direction while the other key shall reverse the process.	
35	Three programmable function keys located on the control panel (keyboard) which allow the operator to customize any enhancement or combination of enhancement features. For example; contrast Enhancement and negative functions to be able to operate simultaneously via one keystroke. Must allow for simple reprogramming through drop down menu without the assistance of factory personnel.	
36	The control panel (keyboard) must allow the end user to re-label keys and reprogram their functions without the need for factory personnel.	
37	The unit's electronics must be equipped with an internal Flash Memory to start the operational part of the software from. An optional hard drive is only allowed to store additional X- ray images. The system must be fully operational (including but not limited to scanning of objects) in case the optional hard drive is defect or not	

	installed.	
38	The system must support Post Script Level 2 printers as standard.	
39	The system must be able to automatically identify dense areas and apply the High penetration feature to only the dense area of the bag.	
40	The system must be able to automatically identify dense areas and project a frame around the dense area of the bag to highlight it.	
41	The unit must be able to be equipped with an zoom optimization feature which automatically magnifies the screened image to utilize the entire available monitor space via one key stroke.	
42	The system must be able to provide a function that automatically detects organic substances with relative atomic numbers 7, 8 or 9 one after another. By pressing a single key it must be possible to toggle between the atomic numbers 7, 8 or 9. The image becomes a black and white image and only the image parts representing materials with the selected atomic number will be displayed in red.	
43	The system must provide a feature that allows to adjust the background color of the X-ray image from standard white to at least 3 different grey levels for ergonomic purposes.	
44	After the X-ray is powered up it must carry out a self test for at least the following sub- systems: light barriers, X-ray generator, detector line, calibration status electronic boards and the control panel (keyboard). In case of a malfunction the system must display the respective warning or error message on the screen.	
45	During operation the system must supervise at least the following sub-systems in real time: light barriers, X-ray generator heater current, X-ray generator anode current, X-ray generator high tension, detector line, calibration status, electronic boards and the control panel (keyboard). In case of a malfunction the system must display the respective warning or error message on the screen.	
46	The system shall also give a real -time feedback to the operator in case of the following situations: Emergency button pressed, interlock opened and motor overheated. The system must not shut down, instead a distinctive error message shall be displayed on the system's screen to allow the operator to bring the Z-ray systems quickly and easily back in operation.	
	<u>CERTIFICATIONS</u>	
47	Internationally certified ISO 9001 quality standard shall have been maintained by the manufacturer for a minimum of 5 years.	
48	The offered Model/Brand of X-ray baggage inspection system should be CE, FCC and IEC compliant. Relevant certificates should be provided along with the Technical Bid.	
49	The Threat Image Projection system software of the offered X-ray baggage scanner should be FAA Approved.	
50	A fire load calculation by an accredited external laboratory must be available for the system.	
	<u>GENERAL</u>	
51	Unit must operate with a Linux based operating system.	
52	All supervisory-level programming functions shall be accessible via the unit's primary keyboard without the need to connect a supplemental PC-Style keyboard.	

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of Night Vision Binocular

Sl No.	Description	Compiled (Yes/ NO)
1	Time lapse Function: Yes	
2	GPS ID stamp on the picture or video: Yes	
3	Wide dynamic range up to 4" display,	
4	Wide field of view.	
5	Outstanding optical clarity, high performance night vision.	
6	1/3 CMOS vs image-intensifier tube.	
7	Build in 2" TFT, View Large LCD Screen UP to 4" display.	
8	Resolution of Screen :640*480.	
9	TF card: up to 32G (no included).	
10	Adjustable eyepiece.	
11	Powerful infrared spotlight.	
12	1300ft/400M viewing range.	
13	Magnification (optical): 4.5	
14	Objective Aperture: ϕ 40mm.	
15	Exit Pupil Distance: 46.2 mm	
16	Digital Zoom: 5	
17	Field of view: 9"	
18	F for objective lens: F= 1.3	
19	Infrared illuminator: 850NM 3W Infrared LED	
20	<ul style="list-style-type: none"> • JPEG:2592*1944,1600*1200,640*480 	
21	<ul style="list-style-type: none"> • Video: 1280*720,640*480@ 30 FPS with sound 	
22	Observing Distance (Low Light Environment): 2 m~ ∞	
23	Time stamp: Date and time, GPS on picture and video	
24	<ul style="list-style-type: none"> • Observing Distance (Full Dark Environment): 1300ft/400M 	
25	<ul style="list-style-type: none"> • Language: English, French, German, Italian, Japanese & Russian, Spanish, Czechen, Polish 	
26	Working Power Voltage:4.5 -6V or 6V Power bank	
27	Rechargeable Battery: 8* AA, lithium, alkaline or NI-MH Battery	
28	Up to 14 hours runtime without the use of infrared illuminator.	
29	Up to 10 hour with IR illuminator on.	
30	Built -in 1 tripod mountable: Yes	
31	TV out : Device be a live infrared surveillance camera connecting TV with TV cable.	
32	USB: Micro USB2.0	
33	AV supporting: NTSC/PAL	
34	Water Resistance Standard: IPX4	
35	Operating Temperature Range: -10 - +50°	

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of Explosive Vapour Device

Sl. No.	<u>Technical Specification</u>		Compiled (Yes/NO)
1	Technology	Ion Mobility Spectrometry	
2	Sample collection	Trace particle & vapor	
3	Operating Mode	Explosives, Narcotics, Chemical warfare agent/toxic industrial chemicals	
4	Explosive detected	RDX, PETN, TNT, Semtex, TATP, NG, Ammonium Nitrate, H ₂ O ₂ and others.	
5	Drugs detected	Cocaine, Heroin, THC, Methamphetamine and others.	
6	Chemical warfare agent detected	Nerve and blister agents such as tabun, Sarin, Soman, Cyclosarin, Agent VX and Vx.	
7	Toxic industrial chemicals detected	Hydrogen Cyanide (HCN), Phosgene, SO, NH and others.	
8	Sensitivity	Particle: Low Nanogram Range, Vapor: Low parts per Million Range.	
9	False alarm rate	Less than 1%	
10	Input Voltage	12VDC, 110VAC/220 VAC, 50-60Hz	
11	Alarm Type	Audio and Visual with substance identification.	
12	Display	TFT Color Display	
13	Ready Time	15 Minutes or less	
14	Detection and analysis	Detection within 10 second, complete analysis within 20 second.	
15	Battery Operating Time	Min. 4 Hours.	
16	Battery Recharge Time	2 Hours.	
17	Weight	Should be less than 4 kg.	
18	Dimension	Should be lesser than 15x5x5 in	
19	Operating temperature range	0° to +40°C.	
20	Operating Humidity	0 to 95% non-condensing.	
21	Automatic Calibration	Should be available.	
22	Certification	Type Approval from AERB.	

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of Hand Held Radioactive Detection Equipment

Sl No.	Specification	Compiled (Yes/No)
1	Ambient gamma and X radiation dose rate equivalent indication range	0.01 $\mu\text{Sv/h}$...10 mSv/h Or 1 $\mu\text{rem/h}$...1 rem/h *
2	Ambient gamma and X radiation dose rate equivalent measurement range	0.1 $\mu\text{Sv/h}$...10 mSv/h Or 10 $\mu\text{rem/h}$...1 rem/h *
3	Ambient gamma and X radiation dose equivalent measurement range	0.1 μSv ...100 mSv Or 10 μrem ...10 rem *
4	Beta particles flux density (or count rate) measurement range	10...1-10 ⁴ particle/min-cm ² (or 0.1...1.10 ⁴ cps)
5	Intrinsic relative error of dose rate measurement in the range from 0.1 $\mu\text{Sv/h}$ to 10mSv/h(10 $\mu\text{rem/h}$...1rem/h)	$\pm 20\%$ max
6	X and gamma radiation energy range	20keV...3MeV
7	Spectrum maximum energy range of registered beta particles	155keV...3.5MeV
8	Energy dependence -When gamma radiation dose rate is measured for ¹³⁷ Cs -When beta particles flux density is measured for ⁹⁰ Sr + ⁹⁰ Y	$\pm 30\%$ -60%...+50%
9	Sensitivity To ¹³⁷ Cs gamma radiation To ⁹⁰ Sr + ⁹⁰ Y beta radiation	2.8 cps/ $\mu\text{Sv-h}^{-1}$ 0.36cps/particles min ⁻¹ -cm ⁻²
10	Radiation overloading	Radiation monitor can withstand 100-fold rise of dose rate measurement and beta particles flux density upper range limit for 5 minutes with readings not lower than maximum
11	Continuous run time	$\geq 500\text{h}$
12	Working temperature range	-20°C...+55°C
13	Relative humidity with air temperature $\leq 35^\circ\text{C}$ without condensation	$\leq 95\%$
14	Drop protection	From ≤ 1.5 m to hard surface
15	Protection class	IP57
16	Power supply	2xAAA-size batteries (L R 03)

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of Hand Held Metal Detector

Sl. No.	Specification		Compiled (Yes / No)
1	Technology	Pulse induction technology, transmitter/receiver with automatic instant retune and should be complaint to NIJ-0602.02 with indoor and outdoor operations.	
2	Operating Frequency	Approx. 95KHz. \pm 5KHz.	
3	Audio Frequency	Approx. 2KHz	
4	Weight	Approx. 400gm	
5	Operating Voltage/Current	<ul style="list-style-type: none"> ➤ 7 to 9 Volt DC < 50 mA. ➤ Operator Functions should customized by the user through PC GUI and USB connection. 	
6	Power source & endurance	Standard 9 V rechargeable / disposable battery. Provided with CONTACT Battery charger. The charger should be recharging without electrical contact.	
7	Detection Range	a) Should detect a small metal object like Gem Clip from a distance of 1 inch. b) Instant response to all metals.	
8	Indicators	a) Audio & Visual alert & vibration b) Low battery indicator	
9	Power Control	Push button /press On/Off Switch	
10	Adjustment and provisions	Provisions for adjustment of Sensitivity	
11	Safety	Safe for heart pacemakers & non- interference with magnetic recording material.	
12	Operating Time	-15°C to +65°C	
13	Protection against environmental conditions, 0 to 95% humidity		
14	Warranty, after	One year minimum warranty	
15	Sale, service & Availability of Spare parts	Availability of suitable repair service centre & spares parts in Kolkata	
16	Construction	Fabricated with sturdy, high impact proof , water proof, plastic. Interior circuitry should preferably be SMD component based.	
17	Control	Should be operator friendly. Press/Push button as ON/OFF switch. Immediate automatic tuning.	
18	Size	Comfortable small size with or without handle.	

19	Sensitivity	Minimum detection distance equal/ more than a) Medium size pistol-6 inches b) Razor blade-2 inches c) Hatpin-1/2 inches d) Copper metal piece (05gm)-20mm e) Detonator(aluminum)-30mm f) Single Al-Pin-close proximity	
20	Voltage	6.8 to 10VDC	
21	Current	5mA typical	
22	Battery: Battery Life	100+ Hours continuous Service (AA NiMH batteries 2500mAh); up to 200 hours with automatic sleep mode.	
		Built in fast battery charger in combination with the HHDS Docking station.	

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of Mirror Trolley with illumination

<u>SI No.</u>	<u>Specification</u>	<u>Compiled (Yes/ No)</u>
1	Size: 2 Ft X 1 Ft	
2	Under Vehicle Search Mirrors	
3	Handle Bar Length: Approx 4 Ft	

Description & Specification of Portable Dogleg Mirror

<u>SI No.</u>	<u>Specification</u>	<u>Compiled (Yes/ No)</u>
1	Smooth wheels for easy movement.	
2	Around 28 cm convex mirror for better coverage.	
3	High Quality briefcase for durability and easy transportation.	
4	LED light for night operation	
5	Telescopic rod for handling (5feet)	
6	Rechargeable battery with inbuilt charger.	
7	Light Weight and easy to operate.	

Description & Specification of Dragon Search Light

Dragon Light as per following specifications:

<u>SI No.</u>	<u>Specification</u>	<u>Compiled (Yes/ No)</u>
1	Battery-6 volt	
2	Range = > 1000 mts	
3	Ultra bright, long range, multiple chip lamp = 10W	
4	Battery => 6V,4.7 amp	
5	Warranty => 2 Years (both body and battery)	
6	Over charge trickle cut off	
7	Heavy duty On/Off switch	
8	Water resistance body.	

(To be filled up and uploaded along with Techno-commercial bid)

Description & Specification of Ordinary Handheld Walkie-Talkies

<u>Sl No.</u>	<u>Specification</u>	<u>Compiled (Yes/ No)</u>
	<u>Features</u>	
1	Double PTT	
2	0.5 W Output Power	
3	Strong anti interference ability	
4	Ultra Slim Body	
5	USB charging simple operating : Support PC and power bank charging	
6	PMR 446.00-446.20MHZ	
7	Scan function	
8	Super-long standby	
9	HD sound quality	
10	PC Programming	
11	16 Memory Channels	
12	Voice prompt	
13	Independent Design Capability	
14	Breathing light	
	<u>General Specification</u>	
15	Frequency - PMR 446.00-446.20MHZ	
16	Channel Capacity - 16 Channels	
17	Operating voltage - 3.7 V	
18	Battery - 1600mAH Li-ion Battery Pack	
19	Operating temperature - -20°C-+50°C	
20	Antenna impedance - 50Ω	
21	Mode of operation - Simplex or semi-duplex	
22	Dimension - 123*52*14 mm	
23	Weight(with battery/antenna)- 80g	
24	Channel Spacing - 12.5 KHz	
	<u>Transmitter Specification</u>	
25	Frequency: PMR 446.00-446.20MHZ	
26	Sensitivity : ≤ 0.20μV	
27	Occupied bandwidth:< 16KHz	
28	Intermediation:> 55dB	
29	Audio power:> 500Mw	
30	Rate audio distortion: < 5%	
31	Frequency stability :5 ppm	

32	Current	55Ma when standby	
		150Ma when working	
33	Audio response: +7~-12.5dB		
<u>Reciever Specification</u>			
34	Frequency: PMR 446.00-446.20MHZ		
35	Transmitter power: 0.5W		
36	Modulation type : 11K0F3E,FM,F3E		
37	Spurious radiation: $\leq 7.5\mu W$		
38	Modulation noise: $< -40d$		
39	Modulation distortion: $< 5\%$		
40	Frequency stability: 5ppm		
41	Modulation max deviation: $< + / - 5KH$		
42	Current: $< 1200Ma$		
43	Audio response: +6.5~-14Db		
44	Adjacent Ch. Power: $> 65dB$		
45	Intermediation sensitivity: 8-12mv		

TENDER No. Str/Advt/03/21-22/46/II Opening on 15.07.2021
(To be filled up and uploaded along with Techno-commercial bid)

CHIEF MECHANICAL ENGINEER (I/c)
SMP, Kolkata

Sir,

1. I/We the undersigned hereby tender to supply the Trustees with such of the several articles or items enumerated in the accompanying list as you may select at the price stated therein and on terms as specified in the prescribed agreement.
2. If my/our tender or any portion of it is accepted I/We agree within 10 days of receiving notice of acceptance to execute an agreement, in the prescribed form, and to deposit with the Trustees' Financial Adviser and Chief Accounts Officer, 5% of the value of the accepted Tender, this deposit to be at my/our option either in Cash or in Government of Kolkata Port Trust Securities or in National Savings Certificates to an equivalent market value. I/We understand that no interest will be payable on such deposit.
3. I/We agree that if I/We withdraw my/our tender before the receipt of advice of the Trustees decision or if after my/our tender has been accepted in Whole or in part. I/We fail to execute the Prescribed Agreement within ten days after such acceptance the earnest money deposited by me/us may be forfeited, and in the later case the Tender may be cancelled.
4. Notwithstanding anything hereinbefore contained and without prejudice any of the rights of the Trustees' and without in any way effecting any of my/our liabilities. I/We hereby agree and confirm that I/We have pursued and understood the terms and conditions and import of all the causes in the prescribed agreement, a copy whereof has been duly initialed by me/us for identification and submitted with the tender and I/We agree that the terms and conditions contained in the said prescribed agreement shall be deemed to form part of the terms and conditions of the tenders and I/We shall be bound by same.
5. I / We agree not to sub let or assign the Contract for supplies or any part thereof at any benefit there under.
6. I/We bind myself/ourselves to supply, if required to do so up to 110% of the quantities accepted by the Trustees.
7. I/We agree to bear the cost of stamping the agreement.
8. I/We agree that delivery of articles will not be completed until such articles are inspected and passed at destination by an officer of the Trustees whose decision shall be final until such inspection and passing the articles shall remain and or will continue to remain at my/our sole risk. The rates quoted include delivery at Store of Centenary Hospital, SMP, Kolkata.
9. Unless otherwise specified in the order I/We undertake to deliver supplies not later than 24 hours from the receipt of the order if received by noon on a week day or the case of an order received later than noon, 48 hours after such receipt failing which a purchase may be made against me/us in the open market on my/our account and risk and additional cost incurred thereby may be received from the 5 per cent deposit made by me/us in terms of clause 3 or any other way that the Trustees may think fit and proper
10. I/We agree to all bills for articles supplied being prepared in and paid at the Trustees' Head Office by the existing mode which will absolve the Trustees from all liabilities whatsoever.
11. Samples if any where called for have been marked and labeled so as to correspond with items in the tender.
12. The articles supplied will be in strict accordance with the specification and or description in the Schedule.
13. The price quoted for net weight or net measurement but the prices include cost of containers and delivery to SMP, Kolkata as stated in Tender document.
14. Rate unit have not been altered in the Tender and quotations have been entered in both figures and words.
15. The total value of each item has been shown in the column provided for that purpose.
16. Country of manufacturer has been stated.
17. Charge for work necessary for completion of Contract: - I/We agree to pay all charges for handling, stamping, painting, marking, protecting and preserving patent rights drawings, templates, models and

gauges and for all such measures as may be deemed necessary for the proper completion of the Contract even although special provision thereof has not been made in the specification or drawings.

18. Indemnity Clause: - I/We agree to all times to indemnify the Trustees against all claims which may be made in respect of the several articles or items enumerated in the list attached hereto under any patent or other rights and accept responsibilities for all risk or accidents or damage from whatever cause arising; PROVIDED Always that in the Trustees shall notify me /us of same and I/We shall be at liberty at my/our own expense to take steps in the matter that I/We may think fit.
19. REMOVAL OF REJECTED STORES: - I/We agree to remove within a fortnight from the date of rejection of any stores delivered by me/us and such rejected stores shall lie at my/our risk and rent may be charged at the Trustees' option. If I/We fail to remove such stores within a fortnight of rejection the Trustees shall have the right to dispose of the same and I/We shall have no claim against the Trustees in respect of the said (rejected) stores.
20. For non-observance of any of the terms of the tender and/or Agreement or otherwise the Trustees have absolute right without assigning any reasons to cancel the tender and /or the agreement and I/We shall be liable for all losses and damages arising there under and this is without prejudice to all other rights and remedies of the Trustees.
21. It is distinctly understood by and between the parties that notwithstanding anything hereinbefore contained the Trustees without prejudice to any of their rights shall be at liberty to deduct set off or adjust out of any money that may become refundable or payable by the Trustees to the tenderer in respect of the present tender or out of the security deposit in respect of the present tender any sum of sums that may be payable or has become payable by the tenderer to the Trustees or recoverable from the tenderer in respect of any other tender or contact between the tenderer and Trustees in these respect, the decision of the Trustees' Chief Medical Officer shall be final and binding on both the parties.
22. I/we further confirm that I/we have carefully gone through the whole of the tender documents and understood the same.
23. It is also confirmed that no part of the tender document has been changed/modified by me/us.
24. Further, I/we confirm that statement of facts/figures information incorporated in my/our Offer is correct.

Dated2021

yours faithfully

Address.....

Signature.....

Seal:

Annexure E

Bid Security Declaration

(To be filled up and uploaded along with Techno-commercial bid)

TENDER No. Str/Advt/03/21-22/46/II Opening on 15.07.2021

**The Materials Manager (I/C)
Materials Management Division
Kolkata Dock System
SMP, Kolkata**

Sir,

I/We do hereby declare that I/We shall not withdraw or modify bids during period of validity etc., In case, any withdrawn / modification of the bids is done during validity period, I/We will be suspended for three years from participation of any tender.

Signature of Tenderer with official seal

Form-1

(To be filled up and uploaded along with Techno-commercial bid)

Code No: 1223740

S - 10 (a)

TENDER No. Str/Advt/03/21-22/46/II Opening on 15.07.2021

**TENDER FOR PROCUREMENT, INSTALLATION & COMMISSIONING OF SECURITY ITEMS FOR
CISF UNIT OF KOLKATA DOCK SYSTEM**

To,
The Materials Manager
SMP, KOLKATA
6, Garden Reach Road, Kolkata - 700023

I / We hereby tender to supply, deliver, install & commission the articles noted above to the various places of KDS of SMP, Kolkata at the rate quoted in price schedule.

[Please strike out the alternative which is not applicable in your case out of the following two and initial the same.]

- 1) I / We hereby declare that I / We have not been banned or, de-listed by any Government Agency or Quasi-Government Agency or Public Sector Unit.
- 2) I / We hereby enclose the details of any banned / de-listed imposed on my / our agency by any Govt. / Quasi - Govt. Agency or, PSU.
- 3) I/We hereby confirm, that we have fully read and understood the entire Tender Document, GCC, Special Conditions and Addenda, if any, downloaded from under the instant e-tender and no other source, and will comply to the said document, GCC, Special Conditions and Addenda to which I/WE unconditional agree and submit my/our bid online using my/our Digital Signature.

Date:

Place:

Full Name in Block Letters:

Signature of Tenderer with Official Seal

Address:

Telephone:

Fax

E MAIL ID:

Form 2

(To be filled up and uploaded along with Techno-commercial bid)

GENERAL PARTICULARS OF THE TENDERER

**TENDER FOR THE PROCUREMENT, INSTALLATION & COMMISSIONING OF SECURITY ITEMS
FOR CISF UNIT OF KOLKATA DOCK SYSTEM**

TENDER No. Str/Advt/03/21-22/46/II Opening on 15.07.2021

- 1 Name of the Bidder :
- 2 Official Address for communication
a) Telephone :
Cell Phone :
b) Fax :
c) E-mail address :
- 3 Valid Trade License :
(Upload Photo Copy)
- 4 PAN :
(Upload Photo Copy)
- 5 GST Registration no. :
(Upload Photo Copy)
- 6 Have you ever been debarred by any Govt. :
department or Govt. Undertaking to carry
out any work
- 7 Please upload order copies of having :
experience in successfully executing supply
of similar items during last two years ending
30th April 2021.
- 8 Particulars of Cost of tender deposited :
(Upload photocopy of T.R.)
- 9 Whether the bidder is a Manufactures or :
their Authorized Agents /Dealers /
Distributors /Stockiest

Date:

(Signature & the Seal of the Bidder)

Form 3

TENDER No. Str/Advt/03/21-22/46/II Opening on 15.07.2021

**TENDER FOR THE PROCUREMENT, INSTALLATION & COMMISSIONING OF SECURITY ITEMS
FOR CISF UNIT OF KOLKATA DOCK SYSTEM**

(To be filled up and uploaded along with Techno-commercial bid)

SMP, Kolkata

15, strand road, Kolkata-700001

Format for payment through ECS/RTGS

1. Party names :
2. Bank Name :
3. Branch name :
4. Type of Account :
5. Account Number :
6. MICR CODE OF KOLKATA R.B.I. :
AND
7. IFS Code No. :
8. PAN No. :
9. GST No. :

(Signature with official seal)

NB: A cancelled cheque is to be enclosed.

Form 4
(To be filled up and uploaded along with Techno-commercial bid)
TENDER No. Str/Advt/03/21-22/46/II Opening on 15.07.2021
TENDER FOR THE PROCUREMENT, INSTALLATION & COMMISSIONING OF SECURITY ITEMS
FOR CISF UNIT OF KOLKATA DOCK SYSTEM

Contract acts with suppliers/service providers.

Tax Clause

For Tax inclusive contracts

- Prices or fees quoted in the offer by the bidder shall be inclusive of GST and/or other statutory.
- Levies, taxes, cess imposed by Competent Authorities unless otherwise provided.

For Tax exclusive contracts

- The prices quoted above shall be exclusive of any statutory levies and or other charges levied by any Central/State/local authorities which shall be paid extra at applicable rates at the time of supply of goods / services.

Change in law clause

- Any new statutory levies, taxes, duties, cess, etc. imposed by the Central / State / local authorities by way of fresh notification subsequent to the issue of work Order / Purchase Order, but within the stipulated delivery period shall be paid extra.
- Any additional cost or benefit impacting the contract price resulting from introduction of any new law, towards liveable taxes, including eligible credits, in respect of goods and services to be supplied under the Contract, then the Parties agree to an adjustment to the contract price to reflect the financial impact of such "Change in law".

General Terms & Conditions

- Supplier/service provider to confirm that the GST amount charged in invoice is declared in its returns and payment of taxes is also made.
- The Supplier/Service Provider agrees to comply with all applicable GST laws, including GST acts rules, regulations, procedures, circulars & instructions there under applicable in India from time to time and to ensure that such compliance is done within the time prescribed under such laws. Supplier/Service Provider should ensure accurate transaction details, as required by GST laws, are timely uploaded in GSTN. In case there is any mismatch between the details so uploaded in GSTN by Supplier/Service Provider and details available with SMP, Kolkata, then payments to Supplier/Service Provider to the extent of GST relating to the invoice/s under mismatch may be retained from due payments till such time SMP, Kolkata is not sure that accurate tax amount is finally reflected in the GSTN to SMP, Kolkata's Account and is finally available to SMP, Kolkata in terms of GST laws and that the credit of GST so taken by SMP, Kolkata is not required to be reversed at a later date along with applicable interest.
- SMP, Kolkata has the right to recover monetary loss including interest and penalty suffered by it due to any non compliance of tax laws by the supplier/service provider. Any loss of input tax credit to SMP, Kolkata for the fault of supplier shall be recovered by SMP, Kolkata by way of adjustment in the consideration payable.
- Supplementary invoices/Debit note/credit note for price revisions to enable SMP, Kolkata to claim tax benefit on the same shall be issued by you for a particular year before September of the succeeding Financial Year.
- The purchase order work order shall be void, if at any point of time you are found to be a black listed dealer as per GSTN rating system and further no payment shall be entertained.

(Signature with official seal)

CHECK LIST

(LIST OF DOCUMENTS TO BE DULY FILED, SIGNED, STAMPED AND UPLOADED ALONGWITH THE BID).

Sl. No	Documents Description	YES/NO	Page No.
1	Copy of GST Registration Certificate		
2	Copy of of PAN Card		
3	Copy of Valid Trade Licence		
4	Credential of having experience in successfully executing supply of similar items (similar to items tendered out) during last 2 years ending 30.04.2021 for which as per clause no.1 (i) of Annexure B at Page 6		
5	Copy of last three years Balance Sheet and Profit & Loss A/c. (audited where applicable) ending March, 2020 as per clause no. 1(vii) of Annexure B at Page 6		
6	Authorization Certificate (if applicable) as per clause no. 1(iv) of Annexure B at Page 6		
7	Copy of Treasury Receipt/Original D.D. towards deposit of Tender cost.		
8	Duly filed signed stamped copy of Annexure - C, D,MM 1, MM 2,MM 3, MM 4, MM 5, MM 6, MM 7 & MM8 of the subject NIT		
9	Duly filed signed, stamped copy of Form 1,2,3&4 of the subject NIT		
10	Annexure-E (Bid Security Declaration)		
11	Any other documents		

Note : Page no should be mentioned on all uploaded documents.

All the other documents in support of fulfilling Eligibility criteria as mentioned in Annexure B of the NIT.

Offer No. _____

Authorized Signatory of the Tenderer

Date: _____

(With official Seal and date)