BY REGD POST

Headquarters Chief Engineer Project Dantak PIN-931708

C/0 99 APO

25 Jan 2024

30003/DTK/19TF/ENQ-47/E3ES

FOR ATTENTION OF ALL BIDDERS

There is an important instruction regarding place of submission of Bid due to restricted movement of goods and services across the border, in view of this on page No 7 of this RFP amending the clause 2 of this RFP to that Extent.

Appendices

A	:	List of Stores	D	:	EMD Bank Guarantee Format
в		Technical Bid ('T' Bid)	E	:	Performance Bank Guarantee Format
С	:	Price Bid ('Q' Bid)	F	:	Format of Certificate of Acceptance

INVITATION OF QUOTATION FOR SUPPLY OF QCC STORES

Dear Sir/Madam,

INVITATION OF QUOTATION.

1. This Project requires stores as per Appendix 'A' accordingly invites **OTE** for the purpose. **The RFP can be downloaded from CPP Website :** <u>https://eprocure.gov.in/epublish/app</u>. The consignor can submit their offer by downloading the enquiries and sending it by Speed Post/Courier/Hand.

2. Quotations are invited in physical form containing T'-Bid (Technical bid) as per Appx 'B' and Q'-Bid (Price Bid) as per Appx 'C' for the above items. Please note that quotation will be received by the **Headquarters Chief Engineer** (P) Dantak, C/o 99 APO upto 1700 Hrs (BST) on 15 Feb 2024. T'-Bid will be opened on 19 Feb 2024 at 1200 Hrs (BST). After opening of T'-Bid and its evaluation 'Q'-Bid will be opened for the successful bidders.

3. Firms or their duly authorized representative who have submitted their quotation and who wish to be present at the time of opening of quotation may visit the office of Headquarters Chief Engineer (P) Dantak, C/o 99 APO at the above mentioned time and date for viewing the cuotation opening process.

4. Bidding procedure shall be single stage two bid system and bid documents are to be prepared in two parts as under:-

Part-I (Technical Bid: "T' Bid) at Appendix 'B'.Part-II (Price Bid: 'Q' Bid) at Appendix 'C'.

5. Part-I Technical Bid ('T' Bid).

5.1. The technical bid comprising of the following details shall be forwarded in a separate envelope by the **OEM/Authorized Dealer** consignor duly mentioning the Name of the firm, Enquiry reference and date of opening etc on top of the envelope. **OEM/Authorized Dealer certificate to** be mandatorily enclosed with 'T' bid failing which the firm will not be considered for opening 'Q' bid.

(a) Details such as Name of firm, Address Contact number GSTIN number, Email, PAN No and other Registration details with HQ DGBR / Project Dantak / Any other BRO Project / Ministry of Defence Govt of India / Govt of Bhutan as per format enclosed at Appendix 'B' to the enquiry be provided. **OEM, PSUs and authorised dealer** enlisted with Central Purchase Organization and National Small Industries Corporation also to provide details of their registration in Appendix 'B'.

(b) In case, if the firm is NOT enlisted / Registered with HQ DGBR or Project Dantak as a registered contractor / consignor or with Ministry of Defence Govt of India or Govt of Bhutan or CPO or NSIC & Micro, Small and Medium Enterprises (MSMEs), then details of EMD alongwith original copy of EMD be provided as per Ser No 9 of Appx 'B'. PSUs, OEM/Authorised dealer, Original Manufacturers of Bhutan/India registered with Dantak / HQ DGBR / RGoB are exempted from submission of EMD on producing of necessary document / certificates, in this regard. (c) Firm/ Consignor should have completed minimum one supply order of similar items to any Govt agency/BRO projects for last seven financial years. Copy of such

supply order to be mandatorily enclosed with 'T' Bid failing which the firm will not be considered for opening of 'Q' Bid. Firms enlisted with Project Dantak for supply of same items need not to submit the copy of supply order of similar items.

5.2 Eligibility Criteria for Technical Evaluation

5.2.1 **The OEM/Authorised dealer** who have submitted the following documents in their T'Bid will only be eligible technically and for opening of their 'Q' Bid:-

(a) Fulfillment of criteria & submission of documents as laid down at Para 5.1.

(b) Complete details as per Appendix 'B' of enquiry

(c) Enlistment / Registration details with HQ DGBR / Project Dantak / Ministry of Defence, GoI/ Govt of Bhutan/CPO/NSIC be clearly mentioned or EMD be submitted by non enlisted/non registered firms.

(d) Original manufacturers of Bhutan/India will have to submit EMD in case if they are not enlisted/ registered with HQ DGBR/Project Dantak or Government of Bhutan/India.

(e) Copy of OEM/Authorised dealer certificate to be attached.

5.3. <u>The bidder should meet all the technical evaluation criteria in order that the bid is considered to be technically responsive and the bidder qualifying to have its commercial bid opened</u>.

6. Part-II Price Bid ('Q' Bid).

D

6.1 The price bid ('Q' Bid) shall be forwarded in a separate envelope by the Manufacturer/ Authorized Dealer/ Consignor duly mentioning the name of the firm, Enquiry reference and date of opening on top of the envelope.

6.2. <u>Part-II Price Bids ('Q' Bid)</u>. Price Bid shall be quoted by bidder as per the format attached as Appendix 'C'.

6.3. <u>'Q'-Bid evaluation</u>. Price Bid of non qualified bidders, based on evaluation of 'T' Bid, will not be opened.

6.4 Price Bids shall only be furnished in attached format forming part of the bid documents.

7. T' Bid and 'Q' Bid be submitted in two separate envelopes duly superscribed and both these sealed covers are to be put in a bigger cover which should be sealed and duly superscribed. **OEM/authorised dealer** who offer the Enquiry documents of 'T' Bid and 'Q' Bid in a single envelope will be rejected. On top of both 'T' Bid and 'Q' Bid, details such as Name of **OEM/authorised dealer** of the items, Enquiry Reference and date of opening etc will be mentioned clearly.

8. No conditional offer other than conditions mentioned above will be entertained.

9. All necessary licenses, consents and permissions for import/ export from Govt/Semi Govt/ Civic agencies in India & Bhutan for the performance of obligations under this supply orders shall be arranged by the **OEM/authorised dealer**.

10. The **OEM/authorised dealer** shall provide and pay for usage of labour, utilities, transportation and other miscellaneous services necessary for proper execution and completion of supply order at the designated FOR.

11. The complete expenses on preparation and submission of quotation shall be borne by the firms and it shall have no claim on this account.

Earnest Money and Security Deposit.

12. **OEM/authorised dealer** who are NOT enlisted as per Para 5.1 (b) of this RFP will have to submit Earnest Money of Amount in Rs **1,10,500/**- (Rupees One Lakh Ten Thousand Five Hundred Only) in the form of fixed Deposit receipt, or Bank guarantee from any of the commercial banks drawn in favour of Chief Engineer, Project Dantak payable at SBI Hasimara having validity/maturity period of Six Months and will be enclosed with Technical Bid. Earnest Money of un-successful **OEM/authorised dealer** shall be returned to them immediately on placing of Supply Order. Format of EMD as per Appendix 'D' enclosed. **The MSME companies having valid Udyog Aadhar Number, the EMD exemption as per DPM will be applicable**.

Contd 3/-

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13. Performance Bank Guarantee. Performance Bank Guarantee in the form of Bank Guarantee should be submitted by your firm @ 5% of the value of Supply Order amount within 30 days of receipt of the Supply Order, to HQ CE (P) Dantak. The Fixed Deposit Receipt or Bank Guarantee Bond be prepared having validity/maturity period of sixty days beyond the date of completion of all contractual obligations of the supplier including warranty obligation (Ref Rule-171 of GFR 2017). The PBG should be drawn in favour of Chief Engineer Project Dantak payable at SBI, Hasimara. On receipt of Performance Bank Guarantee, the EMD will be returned to the firm. The Performance Bank Guarantee will be released after one month of release of completed payment against the supply order. If required, the extension of validity of Performance Bank Guarantee will be sought Guarantee as per Appendix 'E' enclosed.

(a) <u>**Clause for Evaluation of L1**</u>. To determine the L1, the quoted rates of consignor who have been found technically "Substantially Responsive". 'Q' Bid shall be evaluated as under:-

(i) Ranking of the commercial bid will be based on the lowest cost of each items which will comprise of Basic Cost of item, Freight insurance, except levies, Taxes and Duties levied by Central/State Local Govts such as Novroi/Entry Tax, etc as quoted by the Bidder in his 'Q' Bid. All these elements shall mandatorily be indicated separately.

(ii) Any Taxes and Duties not mentioned clearly in 'Q'-Bid will not be counted and the Bidder shall not have any claim on account of such omissions on his part.

(iii) **GST/Sales Tax are not applicable for Project Dantak**. Sales tax exemption certificate will be issued to consignor. For any query regarding **exemption of GST** on import of goods and services **from India to Bhutan**, kindly refer to the following websites for detail information.

(aa) www.cbec.gov.in//htdocs-cbec/gst/index.

(ab) <u>www.cbec.gov.in/resources//htdocs-cbec/gst/notfctn-42-igst-rate-english.pdf</u>.

(ac) <u>www.cbec.gov.in/resources//htdocs-cbec/gst/notfctn-300CGST-rate-english.pdf</u>.

(iv) <u>For Indian Consignor Only</u>. As supply to Project Dantak located outside India, no GST is applicable. Indian consignor / Bidder shall attach undertaking certificate as per the following format mandatorily :-

UNDERTAKING CERTIFICATE

"It is certified that the goods / materials given in the Enquiry No 30003 /DTK/19TF/Enq- 47/E3ES dt 24/01/2024 of HQ CE (P) Dantak will be supplied by me / our firm as export and for use in Bhutan. It is declared that no GST cost has been included by me in the rates quoted in above mentioned enquiry".

Signature with date Name of the bidder : Name of firm with address:

(v) Certificate on account of GST as per Rule No 16 (1) of IGST Act 2017 will be issued on receipt of stores as format of certificate is as given under:-

(aa) It is certified that the goods supplied by your firm against SO No 30003/DTK/19TF/SO.... /E3ES dated ____2024 for the cost of Rs _____/-(Rupees ______only) is a zerorated supply as per **GST Rule No 16 (1)** of **IGST Act 2017** as the goods were supplied as an export and to be used in Bhutan by this Project.

(ab) It is further certified that no amount was paid to your firm by this Project on account of GST

Consignee Unit

GST : ZERO RATED SUPPLY CERTIFICATE

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(b) Force Majeure Clause. Should any force majeure circumstance arise, each of the contracting, party shall be excused for the non fulfillment or for the delayed fulfillment of any of its contractual obligations, if the affected party within 14 days of its occurrence informs in a written form the other party. Force majeure shall mean fires, floods, natural disasters or other acts such as war, turmoil, strikes, sabotage explosions, and quarantine restriction beyond the control of either party. In the event of either party being rendered unable by Force Majeure to perform any obligations required to be performed by them under the purchase order the relative obligations of the party affected by such force majeure shall upon notification to the other party be suspended for the period during which force majeure event lasts. The cost and loss sustained by the either party shall be borne by the respective parties. If the force majeure conditions persist for a period exceeding 90 days the Purchaser reserves the right to cancel the purchase order in full or in part.

Consignee, Delivery & Delivery Period.

14. Supply will have to be completed within **90 days** from the date of effect of supply order. The stores are required to be delivered as per Appendix 'A' attached to this enquiry to the **consignee unit 504 SS&TC (GREF), Phuentsholing, Bhutan**. The responsibility for loading and unloading of stores including transit loss shall rest with the consignor. The firm who are unable to supply the desired items within original delivery period due to any reason and are contemplating/seeking extension of original delivery period must send their request by email giving detailed reason for seeking original delivery period extension and the request should reach seven clear working days before expiring of original delivery period failing which the supply order will be considered to be terminated and firm will be responsible for the same.

Price Adjustment.

15. No adjustment in the rates after the date of opening of the quotation on account of any increase/decrease in the cost of input or on account of any statutory increase in any taxes or duty is admissible.

16. <u>Prices</u>. All the rates/prices mentioned in the purchase order shall remain firm throughout the delivery/ shipment of the goods/ performance of the services. Price escalation on any score whatsoever will NOT be entertained.

Manufacturer/Authorized Consignor /Distributor.

17. In case your firm is an original manufacturer of the product or an authorized consignor, a certificate to this effect shall be enclosed alongwith product catalogue and company price list, Discount, if any offered thereon shall be specified clearly. If the product is proprietary in nature, certificate to this effect that the firm is sole **OEM/authorised dealer** of the product shall be enclosed with the offer.

Freight/ Warranty

18. **Freight.** Packaging and freight will be complete responsibility of the consignor. Damages/ losses in transit shall be the responsibility of the consignor upto the delivery location specified by the respective consignees. No Defence vehicles will be provided to transport the stores. Stores will be securely packed without any additional cost to the Govt to avoid losses or damages during transit so as to reach this consignee, in perfect serviceable and fit for use condition. The consignor shall remain responsible for adequacy of packages during transit. The packages shall be Marked with the Supply order and other necessary details for easy identification at the consignee's end. The consignor will be responsible for unloading at FOR and to ensure that the stores are delivered in sound condition without any damage.

19. **Warranty/Guarantee**. The stores supplied against the supply order shall bear a warranty against defective materials for a period of Two years or as specified by the company/ consignor/firm (whichever is higher) from the date of completion of the supply order. In case of manufacturing failure or defect in any component within the warranty period, the consignee shall inform the consignor for joint inspection. Within a period of one week of the receipt of such information, the rejected material shall be removed and replaced by the consignor at the site at his own expense and no extra payment shall be made on this account. All stores to be supplied should be free from all defects and faults in material workmanship and manufacture.

Contd.....5/-

They should be of the highest grade and consistent with the established and generally accepted standards for material of the type used and in full conformity with the specifications, drawings or samples and shall, if operable, operate properly. The Consignor shall be bound to furnish a clear written warranty regarding the same. In the event of the ultimate consignee in Bhutan not finding the stores in accordance with the order, the Consignor will be required to replace them free of cost inclusive of all freight and handling charges. Such replacement will be done within ninety days to the claim report raised by the Consignee. These standard conditions will also apply in respect of replaced stores.

TERMINATION OF PURCHASE ORDER

20. <u>Termination for Non-performance</u>. The Purchaser without prejudice to any other remedy for breach of purchase order, by giving a written notice for non-performance to the Seller/consignor, may terminate the purchase order in whole or in part for following reasons:-

(a) When the supplier fails to honour any part of the supply order including failure to deliver the supply order stores/ render services in time.

(b) When the contractor is found to have made any false or fraudulent declaration or statement to get the supply order or he is found to be indulging in unethical or unfair trade practices.

(c) When both parties mutually agree to terminate the supply order.

(d) When the item offered by the supplier repeatedly fails in the inspection and/or the supplier is not in a position to either rectify the defects or offer items conforming to the stores quality standards.

(e) Any special circumstances, which must be recorded to justify the cancellation or termination of a supply order.

(f) If the Seller/ consignor, in the either of the above condition, does not cure his failure within a stipulated period of 30 days (or such a longer period may authorize by the Purchaser in writing) after receipt of notice of non-performance form the Purchaser.

Contact Address.

21. For any further information/clarification on the subject the following Officer may be contacted during the office hours (i.e. 0830 Hrs to 1700 Hrs BST except Sunday/Holidays)-

SO-1 (Res) Headquarters Chief Engineer Project Dantak Tele No .009752351082/86/88 FAX No . 009752351285

22. The accepting officer does not bind himself to accept the lowest quotation or any other quotation and reserves the right to accept or reject any of the quotation either in part or in full without assigning any reasons what so ever thereto.

23. No purchase against this enquiry is guaranteed.

24. The quantities of stores given is/are guidelines and may be enhanced or decreased upto minus (-) 10% according to our requirement at the time of placing of supply order.

25. Quotation received after the expiry of time and date specified in **Para 02** above will not be entertained.

26. Payment will be made on receipt of stores in full as there is no provision for making advance payment.

27. <u>**Repeat Order Clause**</u>. The Consignee may order upto 50% qty of SO within six months from the date of successful completion of the supply against this contract and at the same cost, terms and conditions of the contract. The Consignor is bound to supply the material.

28. <u>Sample Approval</u> The firm shall produce one sample of the item for approval to the consignee within 14 days of this Supply Order only the approved samples will be supplied in bulk as per the quantity given in Supply Order. Samples may be approved by producing actual samples or through a catalogue of desired make as per SO.

D. In stores supplied may be inspected by the BOO detailed by the CFA or his authorized rep at time of delivery and should be strictly according to the specifications provided in the supply order. In case the items are found not according to specifications/satisfaction of the Inspecting Officer, the stores are liable to be rejected and will have to be replaced within 30 days without any additional cost by the consignor /firms.

30. **LD** The consignor shall be liable to pay liquidated damages and not as a penalty, a sum equivalent to ½% (Half Percent) of the contract/supply order price per week of delay or part thereof. The consignor liability of liquidated damages shall not exceed maximum of 10% (Ten percent) of the contract price. If the delivery is delayed beyond 10 weeks, the consignee may at his own option, terminate the contract / supply order.

31. **Validity** The rates should be valid for 120 days wef the date of submission of the bid.

32. Items should be of same Make/Brand as mentioned in the appendix attached.

33. Mentioning of GSTIN Nos and quoting rates in words is compulsory, without which enquiry will not be considered for placing supply order. Clear description/specification of items is also mandatory.

34. Rates be quoted for items as per specification in enquiry only.

35. <u>EMD/PBG</u>. IN CASE OF NO SUPPLY OF STORES AGAINST THIS SUPPLY ORDER, THEN EMD/ PERFORMANCE BANK GUARANTEE WILL BE SEIZED THE CONTRACT AMOUNTING AUTHORITY/CONSIGNEE/HQ CE (P) DANTAK.

36. Acceptance certificate forward to HQ CE (P) Dantak against this enquiry Supply Order No 30003/DTK/19TF/SO- /E3ES dated_____ Jan 2024. Format **as per Appendix 'F'**.

37. <u>PERFORMA INVOICE</u>. ALL INDIAN VENDOR/FIRM/CONSIGNOR ON RECEIPT OF SUPPLY ORDER TO IMMEDIATELY PREPARE A "PERFORMA INVOICE" OF ITEMS AND SUBMIT THIS HQ BY EMAIL WITHIN TWO DAYS. THIS SHALL FACILITATE DANTAK OBTAIN BHUTAN SALES TAX EXEMPTION CERTIFICATE FROM HEAD OFFICE, REGIONAL REVENUE & CUSTOMS OFFICE, THIMPHU (BHUTAN). THIS IS NOT APPLICABLE FOR REGIONAL BHUTANESE FIRMS/VENDORS/SUPPLIERS.

SPECIAL CONDITIONS.

38. SUPPLIER SHOULD HAVE DONE PREVIOUS DELIVERY IN BHUTAN.

39. COPY OF SUPPLY ORDER RELATED TO SUPPLY OF QCC STORES TO ANY GOVERNMENT OFFICES IN BHUTAN IN LAST THREE YEARS TO BE ATTACHED.

40. AUTHORISED SUPPLIER CERTIFICATE OF QCC STORES TO BE ATTACHED.

NOTE: AS PER PARA 40 TO 42 DOCUMENTS AS GIVEN ABOVE SHOULD BE SUBMITTED WITH 'T' BID FIRM SUBMITTING. DEFICIENT DOCUMENTS WILL BE REJECTED WITHOUT GIVING NOTICE OF SUBMISSION FOR SHORT FALL DOCUS. 42. In addition to the existing facility/provision of receiving bids at HQ CE (P) Dantak and as mentioned in clause 2 of this RFP, a facility has been created on Indian side border town of Jaigaon to facilitate submission of bids by Indian Bidders. The bidders can exercise following option and address:-

(a) Existing facility at HQ CE (P) Dantak Thimphu:-

(i) If sending bids by post:-

HQ CE (P) Dantak PIN – 931 708 C/o 99 APO

(ii) <u>Manual Submission</u> - Dropping of bids in tender Box kept in HQ CE (P) Dantak premises.

(b) Additional facility at Jaigaon:-

(i) <u>If sending bids by post:-</u> OIC Liaison Cell
Supervisor Mess, HQ 19 BRTF (GREF)
Jaigaon (W.B.)
PIN - 736 182
Contact details/ Phone No - 9970889254

(ii) <u>Manual submission</u>- Dropping of bids in tender Box kept in Supervisor Mess, HQ 19 BRTF (GREF) Jaigaon (W.B.)

Address:-

OIC Liaison Cell Supervisor Mess, HQ 19 BRTF (GREF) Jaigaon (W.B.) PIN – 736 182 Contact details/ Phone No – 9970889254

Please take acknowledgement from OIC Liaison Cell in case of manual submission at Jaigaon

Note: Last date and time for submission of bids will be same for both the location and bids from both the places will be collected and opened on fixed date by the nominated BOO at HQ CE (P) Dantak.

Your's faithfully,

(APS Chauhan) Lt Col SO-1 (Res) for Chief Engineer

Contd....8/-

LIST OF STORES

HQ CE (P) Dantak Enq No 30003/DTK/19TF/ENQ-47/E3ES dt 25 Jan 2024

Ser No	Nomenclature	A/U	Qty
stor	es to be supplied to 504 SS&TC (GREF), Phuentsholing, Bhutan		
1	Sieve shaker 18' sieve, 9' sieve size. Sieve Shaker Carries upto 7 seives of 450 mm diameter in single adaptor. Supplied without sieves or Lid-Pan.	Nos	01
2	Pavement core Drilling /core cutting machine with 10 cm dia, diamond cutting edge dimensions 3.5 feet x 3 feet, Height 4.5 feet, Model type-Petrol Engine, weight 200 kg. Engine capacity 5.5 HP	Nos	01
3	 Standard proctor test, refer standards IS 2720 (Part-7), IS: 2720 (Part-8) The internal surface of the mould will be smooth. Internal diameter of mould : 100 ± 0.1 mm Internal effective height : 127.3 ± 0.1 mm Effective weight of mould : 07 Kg Volume : 1000 cm3 	Nos	01
4	Length gauge dimension 1.5 feet x 1 feet as per IS:2386 (Part-1) Constructed from steel, mounted on a hardwood base (The elongation test is not applicable ti sizes smaller than 6.3 mm) The apparatus consists of the length gauge IS sieves of sizes 50,40,25,20,16,12,5,10 and 6.3 mm	Nos	02
5	Automatic Compression testing machine dimension 725.4 mm x 559.4 mm x 1375.4 mm. Manufactured as per international design, Plate model for highest mechanical stability, accurate centering of load and excellent repeatability. Fully Automatic pace rate control, auto stop and auto release on failure of test specimen, Can be attached with flexural load frame or 500 KN load frame with NABL accreditation.	Nos	01
6	Ultrasonic pulse velocity machine dimension 800 mm x 900 mm (Brief case size in which UPS is kept), light weight model 1 kg including Battery with Light weight transducers. Auto calibration. Direct velocity measurement need to do by manual calculation, Crack depth measurement can be done by manual calculation, calibration Rod as per IS-516 with NABL traceability Calibration Certificate. Calibration block along with ventilation block as per IS-516 (2 Calibration blocks with Sr No engraved) Range Up to 5 meters with NABL accreditation.	Nos	01
7	Digital Laboratory California Bearing Ratio APPARATUS- DIGITAL- IS:2720(PART XVI) Complete with Digital Display Load frame, CBR Mould made of Mild Steel, Slotted and annular weight of 2.5 kg, brass perforated plate, Spacer disc, compaction hammer 2.6 kg and 4.89 kg, metal tripod stand for holding dial gauge, = 1 No. each. As per IS-2720 with NABL accreditation.	Nos	01
8	Asphalt/Bitumen Content tester dimension 23 x 25 x 54 inches, weight 215 kg, 20 Amps MODEL WITH AC MOTOR AND DRIVE : This model facilities precise speed control and vibration free smooth operation. Speed variation up to 3600 RPM. Complies with following International Standards- ASTM D 2172, AASHTO T 58, T 164, Electronic Weighing Balance, Filter Paper and solvent are available at extra cost with NABL accreditation.	Nos	01
9	Rebound Hammer/Concrete test Hammerwith NABL accreditationdimension 700 x 700 cm.** Measuring Range: 10-70 N/mm2* Impact Kinetic Energy: 2.207 Nm (0.225kgm)* Max,break down Friction of the rider : 0.049-0.78N (50-80g)* Rated Rebound Average on Anvil: 80 ± 2* Impact Stroke: 75mm* Dimensions (mm): 60 x 280mm* Net Weight: 1 Kg* Gross Weight: 1.75 kg	Nos	01

a

Contd....9/-

Ser No	Nomenclature	A/U	Qty
10	Benkelman Beam Deflection as per IRC : 81- 1997 The light weight instrument is supplied in two parts for assembling on site with easy hand tools. In use one end of the beam rests at a point under investigation while the beam is pivoted at the centre. The free end carries a dial gauge to record the deflections. The other end is 2:1 which magnifies even. Small deflections. Supplied with a dial gauge 0.01 x 25 mm. This is a light weight dismantle able instrument and easy to carry. As per IRC-081.	Nos	01
11	Cannon Manning viscometer, refer standard IS 1206 (II) & IS 1206 (III). As per IS: 1206 (Part II and III). Supplied complete with Viscosity bath with built in Digital stop watch, Vacuum Pump-capable to maintain vacuum of 300 mm/Hg with required accuracy. Indian Make Vacuum Manning Viscometer No.12 and 13, Reserve flow Viscometer No.6, Silicon oil, silicon tubes a knd calibration certificate for Viscosity bath, certificate of constant for Viscometers. Complete with instruction manual. Detailed Specification as mentioned in technical part mentioned. Complete Absolute and kinematic Viscosity Testing Equipment conforming to IS-1206 (Part II) and Part (III).	Nos	01
12	Electric Oven, thermostatically controlled (including thermometer), stainless steel interior from 0 to 220 degree Celsius Double walled inner chamber S.S 304 outer CRC powder coated 65 mm thick glass wool insulation 80/20 nichrome heating elements placed under ribs at bottom and sided for uniform heat distribution Temp. Range 50"C to 250"CAuto tune Dual Display Digital, forced air circulation. Working on 230 Volts AC Single phase with NABL accreditation.	Nos	01
13	Weight Balance 5 kg capacity accuracy 05 gm	Nos	01
14	Weight Balance 500 gm capacity accuracy 0.01 gm	Nos	01
15	Weight Balance 50 kg capacity accuracy 20 gm	Nos	01
16	Sand Replacement Test, refer IS 2720 (Part-28) : 1974	Nos	01
17	 Direct shear test apparatus having 12 variable speed and 2 KN proving ring with all the accessories given in IS-2720 Part 13 Salient Features : Aesthetical appearance Power coated exterior body Tactfully designed complete system Motorized. Twelve speed design Electricity operated to give twelve (12) different constant rate of strain at 1.25 0.625, 0.125, 0.05, 0.01, 0.005, 0.002, 0.001, 0.0004 and 0.0002 mm/min. Supplied with loading yoke with direct and lever for applying load. Normal stress capacity 8 kg/Sq.cm Load is applied either directly balanced detachable lever. Provision is made for the laod to be applied either through a steel ball recessed in the loading pad or the pre-calibrated loading yoke. The loading unit is provided with V-strips and roller strips for frictionless movement of shear box housing. Suitable to operation on 230 Volt 50 Hz Single Phase, A.C Supply Consists of following accessories: Loading unit with normal loading of 8 kg/cm2 on 60 mm square soecuneb Shear box assembly for 60 mm x 60 mm x 25 mm thick specimen Shear box housing complete with two ball roller strips, made of gunmetal material Two porous stones, each of 6 mm thick, fitting to the shear box 	Nos	01

No	Nomenclature	A/U	Qty
	• Gripper assembly consisting of 2 plan gird plates, 2 perforated gird plates, one base plate and one loading pad, all		
	made of gunmetal.		
	• Specimen cutter for a specimen size 60 mm square & 25 mm thick specimen		
	 Set of weight to give normal stress of 3 kg/cm2 through lever as follows. To give kg/cm2: 0.05-4 Nos 0.1-1 Nos 0.2-1 Nos 0.5-3 Nos 1.0-1 Nos Complete with the following: 		
	 Dial Gauge of 0.01 mm x 25 mm travel. High sensitivity providing ring-200 kg fitted with 0.002 mm dial gauge with our own calibration certificate in a case 		
18	Cement Test Apparatus (i) BLAIN AIR PERMEABILITY TEST APPARATUS As per IS :4031(Part 2) and IS 5516. The apparatus comprises of Standard permeability cell made of brass, 12.7 mm inside diameter with one perforated metals disc and one plunger. A U-Tube glass manometer with rubber coupling for permeability cell, mounted on a wooden stand . Latex rubber tubing, 30 cm long,100 ml Dibutylphthalate liquid. Suction Bulb Additional Instruments for the complete experiment. (ii) Supplied complete with two glass plates and lead weight. Set of Six Water bath available at extra cost. As per IS:269,712,5514,1727,2645,4031,6932(Part-IX). (iii) As per IS : 269,712,5514,1727,2645,6932,(Part IX), BS 6463, EN 196-3,Double walled, Argon welded inner chamber of S.S.304, Glass wool insulation. With Digital temp indicator cum controller. Bath is so designed to raise the temp, from (27*C+2*C) to boiling temp. in (27+3 minutes). Complete with stand to accommodate 12 Nos Le-Chatiler Moulds to keep the specimens immersed as per code requirement. (iv) Apparatus with ISI Certification Mark, IS:5513,fitted in Aluminium Box Ref Standards-IS:2542 (Part-2),2645,1727,5513. The equipment consists of the following replaceable parts : Consistency Plunger (in plastic Case) vicat Mould Final Needle (in plastic Case). Aggregate Impact value (AIV) test equipment, refer IS 2386 (Part-IV) 1963. Complete with a cylindrical cup, 102 mm dia x 50	Nos	0
	mm depth, one measure 75 mm dia x 50 mm deep and a tamping rod of circular cross section 10 mm in diameter and 230 mm long, rounded at one end. As per IS : 2386 (part-iv)/IS 9377 with NABL accreditation.		
20	Glass Container 2 Kg capacity	Nos	24
11	Glass ware beakers 1000 cc capacity	Nos	00
		Nos	00
22	Glass ware beakers 500 cc capacity	AT	
22 23	Glass ware beakers 100 cc capacity	Nos	04
22 23 24	Glass ware beakers 100 cc capacityCube Mould (15 cm x 15 cm x 15 cm) with ISI certification as per IS-10086 Weight of the mould will be about 13.5 kg. Strictly as per BIS specifications and within required tolerance.	Nos	30
22 23 24	Glass ware beakers 100 cc capacityCube Mould (15 cm x 15 cm x 15 cm) with ISI certification as per IS-10086 Weight of the mould will be about 13.5 kg. Strictly as per BIS specifications and within required tolerance.Cube Mould of area 50 sqcm (7.06 cm x 7.06 cm x 7.06 cm) with IS certification CUBE MOULDS-7.06 CM ISI MARKED (FOR CEMENT) Model No. M-110-70.6 HSN :90249000		30
21 22 23 24 25 25	Glass ware beakers 100 cc capacityCube Mould (15 cm x 15 cm x 15 cm) with ISI certification as per IS-10086 Weight of the mould will be about 13.5 kg. Strictly as per BIS specifications and within required tolerance.Cube Mould of area 50 sqcm (7.06 cm x 7.06 cm) with IS certificationCUBE MOULDS-7.06 CM ISI MARKED (FOR CEMENT)	Nos	04 36 18

Ser No		Nomenclature			A/U	Qty
28	Road Make thick Ther after Mitu Dust mm Warr easily Hard per fo		01			
29 30		Set (11.25) KVA (3 phase) Make: Kirloskar/(ric core cutting machine with 10 cm dia			Nos	01
	edge	Nos	01			
31	Unde	r mentioned sieve set required for GSBC m 'H hand book table 400-1.	aterial t	est. As per	Set	01
	Ser					
	No		A/U	Qty		
	(a)	Sieve GI frame (45 cm dia x 75.0 mm)	Nos	01		
	(b)	Sieve GI frame (45 cm dia x 53.0 mm)	Nos	01		
	(c)	Sieve GI frame (45 cm dia x 26.5 mm)	Nos	01		
	(d)	Sieve GI frame (45 cm dia x 9.50 mm)	Nos	01		
	(e)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01		
	(f)	Sieve Brass frame (20 cm dia x2.36 mm)	Nos	01		
	(g)	Sieve Brass frame (20 cm dia x0.85 mm)	Nos	01		
	(h)	Sieve Brass frame (20cm dia x0.425 mm)	Nos	01		
	(j)	Sieve Brass frame (20cm dia x 0.075mm)	Nos	01		
32	Under	mentioned sieve set required for WBM gra	ding tes	t. As per	Set	01
	Ser	H hand book table 400-1. IS Sieve Designation	A/U	Qty		
	No (a)	Sieve GI frame (45 cm dia x 75.0 mm)	Nos	01		
	(b)	Sieve GI frame (45 cm dia x 63.0 mm)	Nos	01		
	(c)	Sieve GI frame (45 cm dia x 53.0 mm)	Nos	01		
	(d)	Sieve GI frame (45 cm dia x 45.0 mm)	Nos	01		
	(e)	Sieve GI frame (45 cm dia x 22.4 mm)	Nos	01		
	(f)	Sieve GI frame (45 cm dia x 13.2 mm)	Nos	01		
	(g)	Sieve GI frame (45 cm dia x 11.2 mm)	Nos	01		
	(h)	Sieve GI frame (45 cm dia x 9.50 mm)	Nos	01		
	(j)	Sieve GI frame (45 cm dia x 5.60 mm)	Nos	01		
	(k)	Sieve Brass frame (20 cm dia x 180 micron)	Nos	01		

Contd....12/-

12	
HQ CE (P) Dantak Enq No 30003/DTK/19TF/ENQ-47/E3ES dt	25 Jan 2024

Ser No		Nomenclature			A/U	Qty
33	Unde	r mentioned sieve set required for WMM ma TH hand book table 400-13	aterial te	est. As per	Set	C
	Ser	IS Sieve Designation	A/U	Qty		
	(a)	Sieve GI frame (45 cm dia x 53.0 mm)	Nos	01		
	(b)	Sieve GI frame (45 cm dia x 45.0 mm)	Nos	01		
	(c)	Sieve GI frame (45 cm dia x 22.40 mm)	Nos	01		
	(d)	Sieve GI frame (45 cm dia x 11.20 mm)	Nos	01		
	(e)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01		
	(f)	Sieve Brass frame (20cm dia x 2.36 mm)	Nos	01		
	(g)	Sieve Brass frame (20 cm dia x 600 micron)	Nos	01		
	(h)	Sieve Brass frame (20 cm dia x 75 micron)	Nos	01		
34	Under MoRT	mentioned sieve set required for DBM grad H hand book table 500-10	ling test	. As per	Set	0
	Ser No	IS Sieve Designation	A/U	Qty		
	(a)	Sieve GI frame (45 cm dia x 45 mm)	Nos	01		
	(b)	Sieve GI frame (45 cm dia x 37.5 mm)	Nos	01		
	(c)	Sieve GI frame (45 cm dia x 26.5 mm)	Nos	01		
	(d)	Sieve GI frame (45 cm dia x 19.0 mm)	Nos	01		
	(e)	Sieve GI frame (45 cm dia x 13.2 mm)	Nos	01		
	(f)	Sieve GI frame (45 cm dia x 9.50 mm)	Nos	01		
	(g)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01		
-	(h)	Sieve Brass frame (20cm dia x 2.36 mm)	Nos	01		
	(j)	Sieve Brass frame (20cm dia x 1.18 mm)	Nos	01		
	(k)	Sieve Brass frame (20 cm dia x 0.6 mm)	Nos	01		
	(1)	Sieve Brass frame (20 cm dia x 0.3 mm)	Nos	01		
	(m)	Sieve Brass frame (20cm dia x 0.15 mm)	Nos	01		
	(n)	Sieve Brass frame (20cm dia x 0.075 mm)	Nos	01		
35	Under MoRTH	Set	01			
	Ser No	IS Sieve Designation	A/U	Qty		
	(a)	Sieve GI frame (45 cm dia x 45.0 mm)	Nos	01		
	(b)	Sieve GI frame (45 cm dia x 37.50 mm)	Nos	01		
	(c)	Sieve GI frame (45 cm dia x 26.50 mm)	Nos	01		
	(d)	Sieve GI frame (45 cm dia x 19.0 mm)	Nos	01		
	(e)	Sieve GI frame (45 cm dia x 13.2 mm)	Nos	01		
	(f)	Sieve GI frame (45 cm dia x 9.5 mm)	Nos	01		
	(g)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01		
	(h)	Sieve Brass frame (20cm dia x 2.36 mm)	Nos	01		
	(j)	Sieve Brass frame (20cm dia x 1.18 mm)	Nos	01		
	(k)	Sieve Brass frame (20 cm dia x 0.6 mm)	Nos	01		
		Sieve Brass frame (20 cm dia x 0.3 mm)	Nos	01		
		Sieve Brass frame (20cm dia x 0.15 mm)	Nos	01		
		Sieve Brass frame (20cm dia x 0.075 mm)	Nos	01		

er o	-	Nomenclature			A/U	Qty
6	Unde test. 1	Set	01			
	Ser No	IS Sieve Designation	A/U	Qty		
	(a)	Sieve GI frame (45 cm dia x 63.0 mm)	Nos	01		
	(b)	Sieve GI frame (45 cm dia x 40.0 mm)	Nos	01		
	(c)	Sieve GI frame (45 cm dia x 20.0 mm)	Nos	01		
	(d)	Sieve GI frame (45 cm dia x 12.50 mm)	Nos	01		
	(e)	Sieve GI frame (45 cm dia x 10.0 mm)	Nos	01		
,	(f)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01	Set	01
	Under	Sieve GI frame (45 cm dia x 4.75 mm) mentioned sieve set required for Sand grad H hand book table 500-17 IS Sieve Designation			Set	01
	Under MoRT	mentioned sieve set required for Sand grad H hand book table 500-17	ling test	.As per	Set	01
	Under MoRT Ser No	mentioned sieve set required for Sand grad H hand book table 500-17 IS Sieve Designation	ling test	.As per Qty	Set	01
	Under MoRT Ser No (a)	mentioned sieve set required for Sand grad H hand book table 500-17 IS Sieve Designation Sieve GI frame (45 cm dia x 10.0 mm)	A/U Nos	As per Qty 02	Set	01
	Under MoRT Ser No (a) (b)	mentioned sieve set required for Sand grad H hand book table 500-17 IS Sieve Designation Sieve GI frame (45 cm dia x 10.0 mm) Sieve GI frame (45 cm dia x 4.75 mm)	A/U Nos Nos	As per Qty 02 02	Set	01
	Under MoRT Ser No (a) (b) (c)	mentioned sieve set required for Sand grad H hand book table 500-17 IS Sieve Designation Sieve GI frame (45 cm dia x 10.0 mm) Sieve GI frame (45 cm dia x 4.75 mm) Sieve Brass frame (20 cm dia x 2.36 mm)	A/U Nos Nos Nos	As per Qty 02 02 02	Set	01
	Under MoRT No (a) (b) (c) (d)	mentioned sieve set required for Sand grad H hand book table 500-17 IS Sieve Designation Sieve GI frame (45 cm dia x 10.0 mm) Sieve GI frame (45 cm dia x 4.75 mm) Sieve Brass frame (20 cm dia x 2.36 mm) Sieve Brass frame (20 cm dia x 1.18 mm)	A/U Nos Nos Nos Nos	As per Qty 02 02 02 02 02	Set	01

13

Registration No. of Firm TIN No. of Firm Firm Seal Fax & Tele No.

HO CE (D

(APS Chauahn) Lt Col SO -1 (Res) for Chief Engineer

TECHNICAL BID ('T' BID)

HQ CE (P) Dantak Enq No 30003/DTK/19TF/ENQ-47/E3ES dt 25 Jan 2024 (As per Clause Para 5)

SER NO	ITEMS	DETAILS
1.	Name of firms	
2.	Legal Status of the firm	Individual company (Incorporated un- incorporated)/ Partnership firm / public limited
3.	Address	
4.	Contact Telephone, Mobile & Fax No	
5.	E-mail address	
6.	GSTIN No	
7.	PAN No	
8.	Registration details :-(a)Registration/EnlistmentNo.(b)(b)With whom registered/enlisted(c)Letter ref under whichregistered/enlisted.(Enclose	
9.	copy) EMD (For unregistered consignor / firm only) EMD in the form of cheque is not acceptable. EMD be submitted in the form of Fixed Deposit Receipt or Bank Guarantee only	Bank Guarantee Number
Date		(Signature of authorized rep of firm with seal)

PARTICULAR OF FIRM

Note:

1. Firm enlisted with HQ CE (Project) Dantak need not enclose photocopy of GSTIN No. PAN No and copy of letters reference under which registered. Rest all firms should enclose relevant photocopies.

2. Firms should enclose all relevant documents as mentioned under Para 5 of this Enquiry in addition to the above details, failing which the firm will be rejected during T' Bid evaluation.

(APS Chauhan) Lt Col SO-1 (Res) for Chief Engineer

(Signature of consignor)

Contd.....15/-

PRICE BID ('Q' BID)

Appendix 'C'

HQ CE (P) Dantak Enq No 30003/DTK/19TF/ENQ-47/E3ES dt 25 Jan 2024

Ser No		A/U	Qty	Basic Price (Unit price)	Freight Charges	Total Amt
	res to be supplied to 504 SS&TC (GREF), Pl		ling, Bh	utan		
1	Sieve shaker 18' sieve, 9' sieve size. Sieve Shak Carries upto 7 seives of 450 mm diameter in sing adaptor. Supplied without sieves or Lid-Pan.	le	01			
2	Pavement core Drilling /core cutting machine wi 10 cm dia, diamond cutting edge dimensions 3 feet x 3 feet, Height 4.5 feet, Model type-Petr Engine, weight 200 kg. Engine capacity 5.5 HP	.5 o1	01			
3	 Standard proctor test, refer standards IS 272 (Part-7), IS: 2720 (Part-8) The internal surface of the mould will the smooth. Internal diameter of mould : 100 ± 0.1 mm Internal effective height : 127.3 ± 0.1 mm Effective weight of mould : 07 Kg Volume : 1000 cm3 	be	01			
4	Length gauge dimension 1.5feet x lfeet as per IS:2386(Part-1)Constructed from steel, mounted of a hardwood base (The elongation test is not applicable ti sizes smaller than 6.3 mm) The apparatus consists of the length gauge IS sieves of sizes 50,40,25,20,16,12,5,10 and 6.3 mm	n ot of	02			
5	Automatic Compression testing machine dimension 725.4 mm x 559.4mm x 1375.4 mm. Manufacture as per international design, Plate model for highess mechanical stability, accurate centering of load and excellent repeatability. Fully Automatic pace rat control, auto stop and auto release on failure of test specimen, Can be attached with flexural load frame or 500 KN load frame with NABI accreditation.	d d d f d	01			
6	Ultrasonic pulse velocity machine dimension 800 mm x 900 mm (Brief case size in which UPS is kept), light weight model 1 kg including Batter, with Light weight transducers. Auto calibration Direct velocity measurement need to do by manual calculation, Crack depth measurement can be done by manual calculation, calibration Rod as per IS 516 with NABL traceability Calibration Certificate Calibration block along with ventilation block as per IS-516 (2 Calibration blocks with Sr No engraved) Range Up to 5 meters with NABI accreditation.	s y 1 e - s	01			
7	Digital Laboratory California Bearing Ratio APPARATUS- DIGITAL-IS:2720(PART XVI Complete with Digital Display Load frame, CBF Mould made of Mild Steel, Slotted and annular weight of 2.5 kg, brass perforated plate, Spacer disc, compaction hammer 2.6 kg and 4.89 kg metal tripod stand for holding dial gauge, = 1 No each. As per IS-2720 with NABL accreditation.	2	01			
3	Asphalt/Bitumen Content tester dimension 23 x 25 x 54inches, weight 215 kg, 20 Amps MODEL WITH AC MOTOR AND DRIVE : This model facilities precise speed control and vibration free smooth cperation. Speed variation up to 3600 RPM. Complies with following International Standards- ASTM D 2172, AASHTO T 58, T 164, Electronic Weighing Balance, Filter Paper and solvent are available at extra cost with NABL accreditation.		01			

A

Ser No	Nomenclature	A/U	Qty	Basic Price (Unit	Freight Charges	Total Amt
9	Rebound Hammer/Concrete test Hammer with NABL accreditation dimension 700 x 700 cm.* Measuring Range: 10-70N/mm2* Impact Kinetic Energy: 2.207Nm (0.225kgm)* Max,break down Friction of the rider : 0.049- 0.78N (50-80g): 80 ± 2* Rated Rebound Average on Anvil: 80 ± 2* Impact Stroke: 75mm* Dimensions (mm): 60 x 280mm* Net Weight: 1 Kg* Gross Weight: 1.75 kg	Nos	01	price)		
10	Benkelman Beam Deflection as per IRC : 81- 1997 The light weight instrument is supplied in two parts for assembling on site with easy hand tools. In use one end of the beam rests at a point under investigation while the beam is pivoted at the centre. The free end carries a dial gauge to record the deflections. The other end is 2:1 which magnifies even. Small deflections. Supplied with a dial gauge 0.01×25 mm. This is a light weight dismantle able instrument and easy to carry. As per IRC-081.	Nos	01			
	Cannon Manning viscometer, refer standard IS 1206 (II) & IS 1206 (III). As per IS: 1206 (Part II and III). Supplied complete with Viscosity bath with built in Digital stop watch, Vacuum Pump-capable to maintain vacuum of 300 mm/Hg with required accuracy. Indian Make Vacuum Manning Viscometer No.12 and 13, Reserve flow Viscometer No.6, Silicon oil, silicon tubes a knd calibration certificate for Viscosity bath, certificate of constant for Viscometers. Complete with instruction manual. Detailed Specification as mentioned in technical part mentioned. Complete Absolute and kinematic Viscosity Testing Equipment conforming to IS-1206 (Part II) and Part (III).	Nos	01			
	Electric Oven, thermostatically controlled including thermometer), stainless steel interior from 0 to 220 degree Celsius Double valled inner chamber S.S 304 outer CRC powder coated 65 mm thick glass wool insulation 80/20 nichrome heating elements placed under ribs at bottom and sided for uniform heat distribution Temp. Range 50"C to 250"CAuto tune Dual Display Digital, forced air circulation. Working on 230 Volts AC Single phase with NABL accreditation.	Nos	01			
	Weight Balance 5 kg capacity accuracy 05 gm	Nos	01		Contraction of the second	
	Weight Balance 500 gm capacity accuracy	Nos	01			
1	0.01 gm Weight Balance 50 kg capacity accuracy 20 m	Nos	01			
	and Replacement Test, refer IS 2720 (Part-	Nos	01			

Q

HQ CE (P) Dantak Eng No 30003/DTK/19TF/ENQ-47/E3ES dt 25 Jan 2024

	Nomenclature		1				
Ser	Nomenclature	A/U	Ĩ	Price (Unit price)	Filight Charges	Total Amt	
17	 Direct shear test apparatus having 12 variable speed and 2 KN proving ring with all the accessories given in IS-2720 Part 13 Salient Features : Aesthetical appearance Power coated exterior body Tactfully designed complete system Motorized. Twelve speed design Electricity operated to give twelve (12) different constant rate of strain at 1.25 0.625, 0.125, 0.05, 0.01, 0.005, 0.002, 0.001, 0.0004 and 0.0002 mm/min. Supplied with loading yoke with direct and lever for applying load. Normal stress capacity 8 kg/Sq.cm Load is applied either directly or through a counter balanced detachable lever. Provision is made for the laod to be applied either through a steel ball recessed in the loading pad or direct through a boss or the pre-calibrated loading yoke. The loading unit is provided with V-strips and roller strips for frictionless movement of shear box housing. Suitable to operation on 230 Volt,50 Hz Single Phase, A.C Supply Consists of following accessories: Loading unit with normal loading of 8 kg/cm2 on 60 mm square soceuneb Shear box housing complete with two ball roller strips, made of gunmetal material Two porous stones, each of 6 mm thick, fitting to the shear box. Gripper assembly consisting of 2 plan gird plates, 2 perforated gird plates, one base plate and one loading pad, all made of gunmetal. Specimen cutter for a specimen size 60 mm square & 25 mm thick specimen Set of weight to give normal stress of 3 kg/cm2 through lever as follows. To give kg/cm2: 0.05-4 Nos 0.1-1 Nos 0.2-1 Nos Dia Gauge of 0.01 mm x 25 mm travel.	Nos	01	(Unit price)			

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No	Nomenclature	A/U	Qty	Basic Price (Unit price)	Freight Charges	Tota: Amt
18	Cement Test Apparatus (i) BLAIN AIR PERMEABILITY TEST APPARATUS As per IS :4031(Part 2) and IS 5516. The apparatus comprises of Standard permeability cell made of brass, 12.7 mm inside diameter with one perforated metals disc and one plunger. A U-Tube glass manometer with rubber coupling for permeability cell, mounted on a wooden stand . Latex rubber tubing, 30 cm long,100 ml Dibutylphthalate liquid. Suction Bulb Additional Instruments for the complete experiment. (ii) Supplied complete with two glass plates and lead weight. Set of Six Water bath available at extra cost. As per IS:269, 712, 5514, 1727, 2645, 4031, 6932 (Part-IX).	Nos	01	price)		
	 (iii) As per IS : 269, 712, 5514, 1727, 2645, 6932, (Part IX), BS 6463, EN 196-3, Double walled, Argon welded inner chamber of S.S.304, Glass wool insulation. With Digital temp indicator cum controller. Bath is so designed to raise the temp, from (27*C+2*C) to boiling temp. in (27+3 minutes). Complete with stand to accommodate 12 Nos Le-Chatiler Moulds to keep the specimens immersed as per code requirement. (iv) Apparatus with ISI Certification Mark, IS:5513, fitted in Aluminium Box Ref Standards-IS:2542 (Part-2), 2645, 1727, 5513. The equipment consists of the following replaceable parts : Consistency Plunger (in plastic Case). 					
	Aggregate Impact value (AIV) test equipment, refer IS 2386 (Part-IV) 1963. Complete with a cylindrical cup, 102 mm dia x 50 mm depth, one measure 75 mm dia x 50 mm deep and a tamping rod of circular cross section 10 mm in diameter and 230 mm long, rounded at one end. As per IS : 2386 (part-iv)/IS 9377 with NABL accreditation.	Nos	01			
20 21	Glass Container 2 Kg capacity Glass ware beakers 1000 cc capacity	Nos	24			
	• •	Nos	06			
22	Glass ware beakers 500 cc capacity	Nos	06			
23	Glass ware beakers 100 cc capacity	Nos	04			
	Cube Mould (15 cm x 15 cm x 15 cm) with ISI certification as per IS-10086 Weight of the mould will be about 13.5 kg. Strictly as per BIS specifications and within required colerance.	Nos	36			
	Cube Mould of area 50 sqcm (7.06 cm x 7.06 cm x 7.06 cm) with IS certification CUBE MOULDS-7.06 CM ISI MARKED (FOR CEMENT) Model No.TM-110-70.6 HSN :90249000 As per IS:10080. The total weight of the Mould shall be 2.8+0.2 kg	Nos	18			
						And the second se

Ser No		Nomenclature	A/U	Qty	Basic Price (Unit price)	Freight Charges	Total Amt				
27	kg G	lass Jar with Brass cone top hav	1111	04	•						
28	Road EN-1 Thicl meas Ther Maki made	A Marking ring pad rubber seal A Marking thickness gauge as per 3212. Delta Make,Denmark- Ros kness Measuring Gauge for surement of Dry White and Ye moplastic road Markings for ver ngs Thickness after application.	r EN- ad Ma thic ellow rificat Heavy th Mi	13197, rkings ckness colour ion of y duty	Nos	01					
	Abso Dust Meas Resol Warr Silver 20.00 Box per fo	lute Dogmatic indicator LED d /water protection level stan- puring range-12.7 mm to+ lution: 0.02 mm. Accuracy: anty for 2 years Battery operated of Oxide easily replaceable type 1 00 hours. Supplied with Hard the operating Manual Detailed spect	isplay dard 12.7 0.02 type ast fo canspi	type. IP42. mm, mm, SR-44 r Min ration							
29	Gen Kirlos	() (0 pild	.se)	Make:	Nos	01					
30	Kirloskar/Greaves/Honda INIT (0 phase) Make. Nos 01 Electric core cutting machine with 10 cm dia, diamond cutting edge dimensions 3.5 feet x 3 feet, height 4.5 feet 01 01										
31	Unde mater	r mentioned sieve set required rial test. As per MoRTH hand	Set	01							
	400-1		A/U								
	(a)	Sieve GI frame (45 cm dia x 75.0 mm)	Nos	01							
	(b)	Sieve GI frame (45 cm dia x 53.0 mm)	Nos	01							
	(C)	Sieve GI frame (45 cm dia x 26.5 mm)	Nos	01							
	(d)	Sieve GI frame (45 cm dia x 9.50 mm)	Nos	01							
	(e)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01							
	(f)	Sieve Brass frame (20 cm dia x 2.36 mm)	Nos	01							
	(g)	Sieve Brass frame (20 cm dia x 0.85 mm)	Nos	01							
	(h)	Sieve Brass frame (20cm dia x 0.425 mm)	Nos	01							
20	(j)	Sieve Brass frame (20cm dia x 0.075mm)	Nos	01	0	0.1					
54		mentioned sieve set required for W s per MoRTH hand book table 400-1	Set	01							
31	Ser No	IS Sieve Designation	A/U	Qty							
	(a)	Sieve GI frame (45cm dia x 75.0 mm)	Nos	01							
	(b)	Sieve GI frame (45 cm dia x 63.0 mm)	Nos	01							
	(c)	Sieve GI frame (45 cm dia x 53.0 mm)	Nos	01							
	(d)	Sieve GI frame (45 cm dia x 45.0 mm)	Nos	01							
-	(e)	Sieve GI frame (45 cm dia x 22.4 mm)	Nos	01							
	(f)	Sieve GI frame (45 cm dia x 13.2 mm)	Nos	01					1.0		
	(g)	Sieve GI frame (45 cm dia x 11.2 mm)	Nos	01							
	(h)	Sieve GI frame (45 cm dia x 9.50 mm)	Nos	01							
	(j)	Sieve GI frame (45 cm dia x 5.60 mm)	Nos	01							
	(k)	Sieve Brass frame (20 cm dia x 180 micron)	Nos	01							

No		Nomenclature				Qty	Basic Price (Unit price)	Freight Charges	Total Amt
33	Unde mate 400-1	r mentioned sieve set required rial test. As per MoRTH hand b 13	MM ble	Set	01	1			
	Ser No	IS Sieve Designation	A/U	Qty					
	(a)	Sieve GI frame (45 cm dia x 53.0 mm)	Nos	01					
	(b)	Sieve GI frame (45 cm dia x 45.0 mm)	Nos	01					
	(c)	Sieve GI frame (45 cm dia x 22.40 mm)	Nos	01					
	(d)	Sieve GI frame (45 cm dia x 11.20 mm)	Nos	01					
	(e)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01					
	(f)	Sieve Brass frame (20cm dia x 2.36 mm)	Nos	01					
	(g)	Sieve Brass frame (20 cm dia x 600 micron)	Nos	01					
	(h)	Sieve Brass frame (20 cm dia x 75 micron)	Nos	01					
	500-1 Ser No	ng test. As per MoRTH hand boo 0 IS Sieve Designation	A/U	Qty					
		Sieve GI frame (45 cm dia x 45	Nos	01	<u> </u>				
	(a)	Sieve GI frame (45 cm dia x 45 mm) Sieve GI frame (45 cm dia x 37.5	Nos						
	(a) (b)	mm) Sieve GI frame (45 cm dia x 37.5 mm)	Nos	01					
	(a) (b) (c)	mm) Sieve GI frame (45 cm dia x 37.5 mm) Sieve GI frame (45 cm dia x 26.5 mm)							
	(a) (b)	mm) Sieve GI frame (45 cm dia x 37.5 mm) Sieve GI frame (45 cm dia x 26.5 mm) Sieve GI frame (45 cm dia x 19.0 mm) Sieve GI frame (45 cm dia x 13.2	Nos Nos	01					
	(a) (b) (c) (d)	mm) Sieve GI frame (45 cm dia x 37.5 mm) Sieve GI frame (45 cm dia x 26.5 mm) Sieve GI frame (45 cm dia x 19.0 mm) Sieve GI frame (45 cm dia x 13.2 mm) Sieve GI frame (45 cm dia x 9.50	Nos Nos Nos	01 01 01					
	(a) (b) (c) (d) (e)	mm) Sieve GI frame (45 cm dia x 37.5 mm) Sieve GI frame (45 cm dia x 26.5 mm) Sieve GI frame (45 cm dia x 19.0 mm) Sieve GI frame (45 cm dia x 13.2 mm)	Nos Nos Nos Nos	01 01 01 01					
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Ser No		Nomenclature			A/U	Qty	Basic Price (Unit price)	Freight Charges	Tota Amt
35		er mentioned sieve set required ng test. As per MoRTH hand bo 17			Set	01			
	Ser No	IS Sieve Designation	A/U	Qty					
	(a)	Sieve GI frame (45 cm dia x 45.0 mr	n) Nos	01					
	(b)	Sieve GI frame (45 cm dia x 37.50 m	nm Nos	01					
	(c)	Sieve GI frame (45 cm dia x 26.50 m	nm Nos	01					
	(d)	Sieve GI frame (45 cm dia x 19.0 mr	n) Nos	01					
	(e)	Sieve GI frame (45 cm dia x 13.2 mr	n) Nos	01					
	(f)	Sieve GI frame (45 cm dia x 9.5 mm) Nos	01					
E	(g)	Sieve GI frame (45 cm dia x 4.75 mr	n) Nos	01					
	(h)	Sieve Brass frame (20cm dia x 2.36 mm)) Nos	01					
	(j)	Sieve Brass frame (20cm dia x 1.18 mm)) Nos	01					
	(k)	Sieve Brass frame (20 cm dia x 0.6 mm)		01					
	(1)	Sieve Brass frame (20 cm dia x 0.3 mm)		01					
	(m)	Sieve Brass frame (20cm dia x 0.15 mm)		01					
	(n)	Sieve Brass frame (20cm dia x 0.075 mn		01					
36	L	r mentioned sieve set required f		Set	01				
	aggre	gate grading test. As per MoRTI							
	Ser	table 500-17. IS Sieve Designation	A/U	Qty					
	No (a)	Sieve GI frame (45 cm dia x 63.0 mm)	Nos	01					
	(b)	Sieve GI frame (45 cm dia x 40.0 mm)	Nos	01					- 12
	(c)	Sieve GI frame (45 cm dia x 20.0 mm)	Nos	01					
	(d)	Sieve GI frame (45 cm dia x 12.50	Nos	01					
		mm)							
	(e)	Sieve GI frame (45 cm dia x 10.0 mm)	Nos	01					
	(f)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	01					
37		r mentioned sieve set required f ng test.As per MoRTH hand boo 7			Set	01			
	Ser	IS Sieve Designation	A/U	Qty					
/	(a)	Sieve GI frame (45 cm dia x 10.0 mm)	Nos	02					. **
	(b)	Sieve GI frame (45 cm dia x 4.75 mm)	Nos	02					
	(c)	Sieve Brass frame (20 cm dia x 2.36 mm)	Nos	02					
	(d)	Sieve Brass frame (20 cm dia x 1.18 mm)	Nos	02					
	(e)	Sieve Brass frame (20 cm dia x 0.6 mm)	Nos	02					
	(f)	Sieve Brass frame (20 cm dia x 0.3 mm) Sieve Brass frame (20 cm dia x 0.15	Nos Nos	02					
	(g)	mm)	NUS	02					
		o. of Firm					Aa	al	1

Firm Seal Fax & Tele No. <u>SO -1 (Res)</u> for Chief Engineer Contd.....22/-

Appendix 'D'

EMD BANK GUARANTEE FORMAT

HQ CE (P) Dantak Enq No 30003/DTK/19TF/ENQ-47/E3ES dt 25 Jan 2024

The conditions of obligations are:-

1. If the Bidder withdraws or amends, impairs or derogates from the Bid in any respect within the period of validity of this tender.

2. If the Bidder having been notified of the acceptance of his tender by the Buyer during the period of its validity.

3. If the Bidder fails to furnish the Performance Bank Guarantee for the due performance of the supply order.

4. Fails or refuses to accept/execute the supply order.

WE undertake to pay the Buyer up to the above amount upon receipt of its first written demand, without the Buyer having to substantiate its demand, provided that in its demand the Buyer will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions. This guarantee will remain in force up to and including 90 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

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(Signature of the authorized officer of the Bank) Name and designation of the officer Seal, name & address of the Bank and address of the Branch

Ø

Contd.....23/-

PERFORMANCE BANK GUARANTEE FORMAT

HQ CE (P) Dantak Enq No 30003/DTK/19TF/ENQ-47/E3ES dt 25 Jan 2024

From Bank To,									-										_	1		-							
•••••	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		•			•		•
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••••••	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

Dear Sir,

Whereas you have entered into a supply order No 30003/DTK/19TF/SO-1. /E3ES dated /2024 (hereinafter referred to as the said supply order) , hereinafter referred to as the "seller/consignor" for supply of with goods as per Part-II of the said supply order to the said seller/consignor and whereas the Seller consignor has undertaken to produce a bank guarantee for (5%) of total supply order value amounting to ____ to secure its obligations to the HQ CE (P) Dantak. We the bank hereby expressly, irrevocably and unreservedly undertake and guarantee as principal obligors on behalf of the seller/consignor that, in the event that the HQ CE (P) Dantak declares to us that the goods have not been supplied according to the performance obligations under the aforementioned supply order, we will pay you, on demand and without demur, all and any sum up to a maximum of _(Rupees __ _ only). Your written demand shall be conclusive evidence to us that such repayment is due under the terms of the said supply order. We undertake to effect payment upon receipt of such written demand.

2. We shall not be discharged or released from this undertaking and guarantee by any arrangements, variations made between you and the Seller/consignor, indulgence to the Seller/consignor by you, or by any alterations in the obligations of the Seller/consignor or by any forbearance whether as to payment, time performance or otherwise.

3. In no case shall the amount of this guarantee be increased.

4. This guarantee shall remain valid for months from the date of acceptance of consignment in India/Bhutan or until all the store, spares and documentation have been supplied according to the performance obligations under the said supply order at the destination FOR.

5. Unless a demand or claim under this guarantee is made on us in writing or on before the aforesaid expiry date as provided in the above referred supply order or unless this guarantee is extended by us, all your rights under this guarantee shall be forfeited and we shall be discharged from the liabilities hereunder.

6. This guarantee shall be a continuing guarantee and shall not be discharged by and change in the constitution of the Bank or in the constitution of M/s_____.

Contd....24/-

Appendix 'F'

FORMAT OF CERTIFICATE OF ACCEPTANCE

HQ CE (P) Dantak Enq No 30003/DTK/19TF/ENQ-47/E3ES dt 25 Jan 2024

CERTIFICATE OF ACCEPTANCE

 1.
 Certified that the M/s______, hereby accepts the supply order No

 30003/DTK/19TF/SO /E3ES dated ___/
 /2024 of the against enquiry No

 30003/DTK/19TF/ENQ-47
 /E3ES dated 25/01/2024 as per the supply order assigned to

 them and handed over the same to HQ CE (P) Dantak at ______ hours, on this_____day

 of the month _____ in the year two thousand and Twenty Three.

2. The the list of liabilities as on date is placed at annexure to this certificate.

3. Signed on _____Day of _____Two Thousand and Twenty Three.

REP FOR AND ON BEHALF OF THE CHIEF ENGINEER PROJECT DANTAK

REP OF M/s_____

Note. This certificate of acceptance will remain in force till the validity of supply order.