

**INFORMATION BOOKLET
ON
QUOTATION CALL NOTICE**
(Ref: KUB/PGC/2019/065, Dated. 15.02.2019)



KHALLIKOTE UNIVERSITY
BERHAMPUR-760001
Dist-Ganjam, Odisha

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KHALLIKOTE UNIVERSITY

Berhampur-760001, Odisha

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Dated. 15.02.2019

QUOTATION CALL NOTICE

Sealed tender (Two bid system) is invited from the eligible Manufacturers/ Authorized dealers/ Registered firms to supply the Lab Equipments, IT and electronic equipments, Lab furnitures etc. to the undersigned on 'FOR' destination basis. **The last date of submission of tender is 3.00 PM, 12th March 2019.** The undersigned reserves the right to cancel any portion or the entire tender without assigning any reason thereof. The interested bidder should download the tender document from the Website www.khallikoteuniversity.ac.in. The bidder can also obtain the tender document by sending email request to the Chairman, PG Council, Khallikote University through email ID "pgco.ku@gmail.com" before the last date of submission.

NB: Those bidders who have applied against the quotation call notice no. KUB/PGCO/2018/113, Dated. 03.11.2018 need to submit the fresh technical bid and price bid again without EMD and Tender Fee.

Chairman, PG Council

Chapter-I: Instructions to the Bidder

The tender document may be downloaded from the website “khallikoteuniversity.ac.in” or by sending email request to the Chairman, PG Council, Khallikote University through email ID “pgco.ku@gmail.com” before the last date of submission. The bidders have to submit the demand draft of Rs. 1050.00 (Rupees One Thousand and Fifty) only in favour of the “COMPTROLLER OF FINANCE, KHALLIKOTE UNIVERSITY”, payable at “BERHAMPUR” towards the non-refundable tender document fee along with quotations/bids.

NB: Those bidders who have applied against the quotation call notice no. KUB/PGCO/2018/113, Dated. 03.11.2018 need to submit the fresh technical bid and price bid again without EMD and Tender Fee.

I.1 Eligibility of Bidder:

- a. The Suppliers must be either the manufacturer of the lab equipments/ IT and electronic equipments/ Lab furnitures or the authorized agent/ dealer / representative of the manufacturer. In case of manufacturers they have to submit the manufacturers form along with technical bid as per the format enclosed (**Format-I**) In the case of dealer/ distributor/ agent/ representative, certified valid copy of the authorization issued by the manufacturer (**Format-II**) should be enclosed with the Technical Bid.
- b. The firm must have valid GST Registration certificate and Up-to-date Income Tax Clearance Certificate/ GST Return.
- c. The firm must have annual turnover of Rs. 30 Lakhs or more for last three years (2015-16, 2016-17 & 2017-18). A declaration in this regard should be submitted as per the **Format-III** along with supporting documents.
- d. The firm must have valid PAN and GSTIN number registration.

I.2 Submission of quotation/tender/bid (Two Bid System)

- a. **TENDER SHOULD BE SUBMITTED SEPARATELY FOR EACH ITEM** The Bid/Tender/ Quote shall be submitted in **two bid system** i.e. Technical Bid & Financial Bid. The Technical Bid and Financial Bid shall be covered in two separate envelopes and shall be clearly mentioned on the top of the envelope as Technical Bid and Financial Bid, respectively. Both the bids will be covered in a big envelope writing on the top of that envelope “**Tender for Lab equipments, IT and electronic equipments and/or Lab furnitures etc.**” (Mention for which item tender submitted with).
- b. **The Technical bids** should contain
 - i.** The detailed specification of the item/equipment quoted along with make and model as per the form enclosed at **Format-IV**.
 - ii.** **Technical Compliance to specifications** as per the form enclosed at **Format-V**,
 - iii.** **Technical Literature** in support of the Lab equipment/ IT from the manufacturers
 - iv.** Other documents such as self attested copy of upto date ITCC and GST return, copy of GST registration certificate, copy of PAN/TAN/TIN and other documents in conformity with their eligibility such as authorization for supply,
 - v.** **Earnest money deposit (EMD)** as demand draft in favour of “COMPTROLLER OF FINANCE, KHALLIKOTE UNIVERSITY”, payable at BERHAMPUR” with six month validity and **the EMD cost** should be submitted **for each item** as

mentioned against their name in **Chapter-III: Schedule of Requirement and Chapter-IV: Specifications of the equipment(s)/ item(s)**. Fill the details of EMD as per the enclosed **Format-VI**.

- vi. **Non refundable tender fee of Rs. 1050.00 in form of demand draft** in favour of “**The Comptroller of Finance, Khallikote University**” and Payable at Berhampur.
 - vii. **Check list of documents enclosed along with the Technical Bid** as per the **Format-VII**.
- c. **Financial Bid** should contain only the price quote for the item without any error, erasers or alterations as per **Format-VIII**. **Clearly mention the price for base model, accessories and tax component or others.**
- The quoted rates shall include the bidders cost towards insurance, packing and forwarding, transportation and installation at Khallikote University, Berhampur.
 - GST and other local taxes should be clearly mentioned including its percentage as per govt. rule in force and the amount in the format of quotation (**Format-VIII**).
 - No conditional price will be taken into consideration. No escalation of the price in later stage is acceptable.
 - Warranty period details should be clearly mentioned (extended warranty period separately).
 - The cost of recommended essential spares should be mentioned separately.
 - List and cost of consumables/standards etc., required from time to time with all other necessary details.
 - AMC after warranty period (to be shown separately) along with financial bid.

d. Other Terms & Conditions:

- i. The Quotation shall be submitted separately for each item clearly superscribing on the envelope the name of the instruments /equipment/ furniture/ item. The technical bid and price bid shall be submitted in separate sealed covers. **Submission of quotations without tender cost and EMD along with Technical bid will be summarily rejected. But, those bidders who have applied against the quotation call notice no. KUB/PGCO/2018/113, Dated. 03.11.2018 need to submit the fresh technical bid and price bid again without EMD and Tender Fee.**
- ii. **The Quotations will be received at the Office of the Chairman, PG Council, Khallikote University, Berhampur on all working days up to 3.00 P.M., 12th March 2019 (By SPEED POST and/or REGISTERED POST only).**
- iii. The Supplier must be either the manufacturer of the item /equipment or the authorized agent/ dealer/ representative of the manufacturer.
- iv. In the event of any item being available on Rate Contract, the quotation for that item shall not exceed the Rate Contract approved. The existence, price and terms and conditions of all Rate Contract items shall be disclosed by the bidder.
- v. **The rates/price should be quoted in the currency of the country where the instruments/equipment is manufactured and equivalent Indian currency.**
- vi. **The price shall be inclusive of all taxes, transportation cost and cost of installation/commissioning, trial operation, comprehensive training and**

- clearance charges.** Necessary documents for clearing the consignment through customs authorities will be provided by us and the suppliers or agents of manufacturer arrange the clearance of the consignment on payment basis.
- vii. Delivery shall be at **Chairman, PG Council, Khallikote University, Berhampur-760001** unless otherwise specified.
 - viii. The successful tenderer should supply the item/equipment within a period of 4-6 weeks from the issuing date of purchase order by the Competent authority of Khallikote University (**The Chairman, PG Council**).
 - ix. The EMD of the successful tenderer will be refunded after completion of the supply and installation of the equipment to the satisfaction of the concerned authority of Khallikote University, Berhampur.
 - x. The EMD of the unsuccessful tenderers will be returned to the concerned tenderer immediately after finalization of the tenders.
 - xi. Documents such as instrument operation, calibration, maintenance, drawing, descriptive literature etc., if any, along with original instruction and data analysis manual should be supplied by the successful tenderer along with the equipments.
 - xii. **Software upgrades shall be provided free of cost during and after warranty on request – wherever applicable.**
 - xiii. Instruments/equipments should be unpacked in the presence of the competent authority of Khallikote University and /or their representatives. The consignment will be accepted only after inspection.
 - xiv. **A warranty certificate covering a period of minimum two years** from the date of installation shall be provided. Any additional period towards warranty will be given weightage in evaluation of the quotations.
 - xv. Inspection certificates of the instruments / equipments inspected by the qualified engineer of the manufacturer and packed in accordance with the terms and conditions of this order must be enclosed.
 - xvi. During the warranty period or later whenever the firm is called upon to attend to the rectification of the defects/faults in the consignments, the firm shall attend to the repair of instrument within 48-96 hours. They should render timely back up service whenever called upon. **A certificate to the effect should be attached along with the invoice or delivery chalan (Please see Format-IX).**
 - xvii. **A certificate to the effect that instrument/equipment supplied is fully operational and no additional accessory or spare is required to make the instrument/ equipment operational should be issued along with the delivery chalan / invoices (Format-IX).**
 - xviii. **The invoices should be submitted in triplicate** in the name of “**The Registrar, Khallikote University, Berhampur**” for pass and payment. The payments will be made only after successful installation at Khallikote University, Berhampur.
 - xix. The Chairman, PG Council reserves the right to refuse payment in the event of unsuccessful installation and the non-submission of the certificates/ undertaking/ affidavit at the time of supply.
 - xx. The Khallikote University reserves the right to accept/reject any tender without assigning any reason thereof.
 - xxi. **Once the rate is approved by purchase committee and supply order is placed to the successful bidder and in the event of failure on the part of the bidder for**

supply of the equipment/instrument/items on any account, the committee reserves the right to forfeit the EMD.

- xxii. To ensure the performance of the instrument/ equipment costing more than Rs. 50,000.0 per item, A PERFORMANCE SECURITY for an amount of Five Percent of the value of the order excluding Taxes should be furnished in the form of a A/c Payee Demand Draft or fixed deposit receipt from a commercial bank (in Favour of “Comptroller of Finance, Khallikote University”) or Bank guarantee from a commercial bank in the acceptable form as recommended by Govt. of Odisha. The model Bank Guarantee format for performance security is at **Format-X**.
- xxiii. **ALL THE BIDDERS MUST HAVE TO SUBMIT THE DECLARATION/ UNDERTAKING (IN THE FORM OF AFFIDAVIT BEFORE NOTARY PUBLIC) as per the format IX.**
- xxiv. The **Detailed information of the Bidder** and The service Centres (in case of Equipments only) should be submitted as per the **Format XI**.
- xxv. The decision of the Purchase committee in all matters shall be final and binding on bidders.
- xxvi. Any dispute, if arises, are subject to jurisdiction of Odisha High court only.

e. Important Dates and Time:

Sl.	Particulars	Date and Time
1	Release of the Tender through Advertisement in One Odia and One English daily and uploading in the website ‘www.khallikoteuniversity.ac.in’.	15 th February 2019
2.	Last date and Time for the submission of Bid/Tender/ Quotation with all documents (Two bid system)	3.00 PM, 12 th March 2019
3.	Opening of Technical bid in presence of all the bidders	3.00 PM, 13 th March 2019
4.	Date of demonstration about the item/ equipment (if required on the recommendation of purchase committee/ Technical committee)	To be informed to the successful bidders through email, SMS and phone at least three days in advance.
5.	Date of opening of price bid of successful bidder (those qualified in the technical screening process)	To be informed to the successful bidder through email, SMS and phone at least three days in advance.

Note:

- 1. For model format for supply agreement you can refer the Office Memorandum no. 4939/F./Codes-27/2011, Dated. 13.02.2012 of Finance Department, Govt. of Odisha.**
- 2. If any of the clause(s) is (are) missed in this bid document the guidelines of procurement of goods vide Memorandum no. 4939/F./Codes-27/2011, Dated. 13.02.2012 of Finance Department, Govt. of Odisha will be followed.**

Chapter-II: Condition(s) of the Contract (Supply of the Items)

II.1 Time limits prescribed

Sl.	Activity	Time Limit
1	Delivery Period	Maximum six to eight weeks from the date of issuance of purchase order OR as stipulated in the PO.
2	Destination	The Chairman, PG Council, Khallikote University on FOR basis
3	Comprehensive warranty period	Two years from the date of installation
4	AMC period	Minimum Three years after completion of the warranty
5	Preventive maintenance visit during warranty and AMC	One visit at least in every six months (minimum Two visits per year) for periodic/ preventive maintenance and anytime for attending repairs/ break down calls
6	Submission of Performance security and entering into the contract	Within the time limit mentioned in the purchase order or before the supply and installation of the item/equipment.
7	Time for making payment by Khallikote University	Within 30 days of successful installation and submission of proper documents along with invoice.
8	Frequency of payment of AMC charges	Every six months
9	Maximum time to attend in any repair call	Within 96 hours
10	Validity of the Bid/Quotes	180 days from the last date of Bid submission

II.2 Other Term and conditions

- a. The detailed technical specifications and terms and conditions governing the supply, installation, commissioning and the after sales service of the equipments/ items bided are contained in this “Bid Document”.
- b. The purchasers of the bid document shall examine all instructions, forms, terms and specifications in the Bid Document and verify that all the contents mentioned under various chapters are contained in the ‘Bid Document’.
- c. Failure to furnish any information required by the bid documents and submission of an offer not substantially responsive to it in every respect shall be at the bidder’s risk and may result in the rejection of the bids, without any further notice.
- d. Bidder should see the check list (**Format-VII**) for details of documents submitted.
- e. Local MSEs only registered in Odisha with the respective DICs, Khadi, Village, Cottage & Handicraft Industries, OSIC, NSIC shall be exempted from submission of EMD, subject to submission of the valid registration certificate from the concerned authority. None of the bidders other than those specified above, is exempted from submission of EMD.
- f. The bidder can modify or withdraw bids submitted before the last date & time for its submission. The modification proposal (if any) can be submitted before the last date in addition to sealed tender/bid submitted earlier.

Chapter-III: Schedule of Requirements

A. Laboratory Equipments

Sl.	Name of the Item	Serial number of the item as per the quotation call notice no. KUB/PGCO/2018/113, Dated. 03.11.2018	Quantity*	EMD amount (INR)
1	Spectrofluorometer	6	1	12000.00
2	Real Time PCR	8	1	15000.00
3	Ion Meter	9	1	10000.00
4	Refrigerator (4°C)	15	2	1500.00
5	Plant growth chamber	27	1	4000.00
6	Microwave oven	34	1	200.00
7	ELISA Reader (Plate)	40	1	4000.00
8	Respirable Dust Sampler	42	1	2000.00
9	Fine Particulate Sampler	43	1	3000.00
10	Trinocular microscope	59	1	3500.0
11	Carbon Dioxide Incubator	New (Not advertised earlier)	1	12000.0
12	Deep Freezer (-80C)	New (Not advertised earlier)	1	15000.0
13	Fermentor	New (Not advertised earlier)	1	12000.0
14	Water purification System	New (Not advertised earlier)	1	12000.0
15	Nano drop spectrophotometer	New (Not advertised earlier)	1	12000.0
16	Thermal Cycler	New (Not advertised earlier)	1	10000.0
17	Rotary Evaporator	New (Not advertised earlier)	1	10000.0
18	Vertical Laminar Air flow	New (Not advertised earlier)	1	4000.0
19	Chemidoc System	New (Not advertised earlier)	1	22000.0
20	Flourescence microscope	New (Not advertised earlier)	1	10000.0
21	High speed Refrigerated Centrifuge	1	1	9000.00
22	Lyophilizer with Vacuum Concentrator	New (Not advertised earlier)	1set	13000.00
23	Refrigerator (4°C)	15	2	1500.00
24	Stereozoomic microscope with camera	26	1set	3000.00
25	Flame Photometer	45	1	1200.00
26	COD Digestion Apparatus	46	1	800.00
27	Trinocular petrological/ore microscope	59	1	3500.0

B. IT and Electronic Equipments

Sl.	Name of the Item	Serial number of the item as per the quotation call notice no. KUB/PGCO/2018/113, Dated. 03.11.2018	Quantity*	EMD amount (INR)
1	Mojo Kit	4	1 set	600.00
2	Action Camera (Go-Pro)	5	2	1000.00

3	Teleprompter	6	1	5000.00
4	MAC System-PC (Desktop)	7	1	3000.00
5	Professional DSLR Camera (Full Frame) with accessories	8	1	2500.00
6	Fish Eye Lense with accessories	9	1	500.00
7	DSLR Mirrorless Gimble with accessories	10	1	600.00
8	Cordless Mic Kit with accessories	11	1 set	1200.00
9	Studio Monitor Set with accessories	12	1	1000.00
10	Audio System with accessories	13	1set	1000.00
11	Audio Recorder with accessories	14	1set	500.00
12	Digital camera with accessories	15	1	1000.00
13	Video Camera with accessories	16	1	2000.00
14	24 inch Monitor	17	1	5000.00
15	One way Mirror	18	1	500.00
16	Laser Printer	19	6	500.00
17	Projector Screen	21	6	250.00
18	Silent Diesel generator (30 KVA) with installation and shed etc.	New	1 set	12,000.00
19	Tripod for DSLR camera	New	1	1800.00
20	Video Mixer Four Channel Digital Video Mixer with Effects, including installation and training	New	2 (One Pair)	4000.00
21	Tripods for Video camera	New	1 set	2400.00
22	70-300mm EFS Telephoto lens	New	03	400.00
23	18-135mm EFS Zoom lens	New	01	700.00
24	35mm EF prime lens	New	3	500.00
25	Quark Express (Software)	New	1	400.00
26	Adobe Suite (CS6)	New	1	1800.00
27	Cool Edit Pro(Software)	New	1	1600.00
28	Final Cut Pro X 10.4.4 (Software)	New	1	1200.00
29	Digital Multi track Recorder with interchangeable Microphone system	New	1 set	500.00
30	3 Point Studio Continuous Soft box Light : Key Light, Fill Light and Back Light - complete chroma kit	New	1 set	750.00
31	LCD Monitor	New	1	800.00
32	All- in- One Outdoor Flash	New	1 set	2000.00
33	Internet Radio	New	One set	1600.00

C. Lab Furnitures:

1	Lab Table Centre (5x 12Ft)	New	04	12000.00
2	Lab stool (Bar stool type)	New	24	1000.00
3	Computer Table	New	06	2000.00

***The quantity can be modified/ altered at the discretion of the purchase committee keeping the interest of the University into account.**

Chapter-IV: Specifications and Allied Technical details

A. Laboratory Equipments

Sl.	Name of the Item	Specifications	Qty*	EMD amount (INR)
1	Spectrofluorometer	Light source: 150 W Xenon lamp; Light source lifetime: upto 2,000 hours; Light source compensation: Monochromatic light monitoring ratio calculation; Wavelength scale: 200 to 900 nm and 0 order; Scanning Wavelength range: 200 to 900 nm and 0 order; Spectral bandwidth: Excitation: 1.5, 3, 5, 10, 15, 20 nm; Emission: 1, 3, 5, 10, 15, 20 nm; Resolution: 1.0 nm or less (Emission); Wavelength accuracy: Within ± 1.0 nm; Wavelength scanning: Max. 60,000 nm/min; Wavelength slewing speed: 60,000 nm/min.; Sensitivity selection: 3 steps of High, Low and Auto; Monochromator: Blazed holographic grating, 1300 grooves/mm; Sensitivity: The SN ratio of the Raman line of distilled water to be in the range of 320-360 and more (P-P) 1,000 and more (RMS) Excitation 350 nm, Spectral bandwidth 5 nm, Response 2 sec. ; Interface: USB 2.0/3.0, Interface for Auto Sample Changer, Interface for sipper unit, Analog output (1 V/full scale), Interface to input External switching signal; Operational temperature range: 15 to 35 °C; Operational humidity range: 30 to 80 % (Below 70 % with temperature higher than 30 °C) with no condensation; Appropriate software for operating the instrument; Options for PC and printer attachment; Power supply: single phase, 220 \pm 20V and 50HZ	1	12000.00
2	Real Time PCR	Real time PCR with block of 96 x 0.2 ml tubes or plate to Run typical 0.2ml tubes, strips, and plates; Should have 3 filtered LEDs as an excitation source with 3 filtered Photodiodes for detection; Gradient capacity with Dynamic ramping with RAMP speed : 5.0 °C per sec; Detection of at least two different fluorescent reporters in the same tube; Should be capable of Detecting FAM/Sybr Green, and VIC, HEX, TET, CAL Fluor Gold 540 etc.; Should have enough number Peltier Cooling	1	15000.00

		<p>& Heating for uniform temp control; Must have one channel dedicated for FRET experiments; Excitation Emission range: 450- 580nm; No internal reference dye should be required. True 2 Color Multiplexing with use of at least two different flourophores without the need of addition of any internal reference dye; Open system capable of running various chemistries so that Different chemistries using TaqMan, Molecular Beacon, SYBR green etc all can be performed. Temperature range 06 100 OC with accuracy of ± 0.2 °C and uniformity of ± 0.4 °C, within 10 sec of arrival at 90.0°C; Sample volume should be 1-50 ul; Should have built in data analysis modules with advance features like well highlighting, QC flags and custome data view assist with quick analysis; Should be capable to perform Automatic allelic discrimination by end point fluorescence or threshold cycle; Should be capable to perform Gene expression analysis by relative quantity or normalized expression; Should have mode for Melt curve analysis and should be compatible for HRM applications; Software should have express load feature which allows entry of data after experiment; Should be Licensed for Research & IVD applications. System should provide an additional qbase plus software license which is RDML compliant. Should be provided with PC (at least i5, 4 GB RAM, 1TB HDD), Printer and suitable online UPS</p> <p>Power supply: single phase, 220\pm20V and 50HZ</p>		
3	Ion Meter	<p>pH: 0 – 14; Potential: ± 2000 to ± 2300 mV; Temperature: Pt1000: -150.0...+250.0 °C; Ion Concentration: 10^{-37} – 10^{+38}; Resolution: pH: 0.001, Potential: 0.1 mV, Temperature: 0.1 °C;</p> <p>Electrode: combined Glass Electrode with PT 1000 temp. sensor with cable; Ion Selective Electrodes (ISE): F, S, Cd, Pb,</p>	1	10000.00

		<p>Cu; Reference electrode: Ag/AgCl; Add on: Cable for ISE, reference electrode, Magnetic stirrer, electrode holder, storage solution with reference electrolyte; Output: Bi-Directional RS 232C Interface for PC or Printer; Display: Large LCD Screen for the graphical display of Calibration curve , results for pH , mV, temp. / Conc. Versus time curve etc.; Automatic Temperature Compensation for pH measurement; Automatic pH calibration with up to 9 buffers; Calibration of Ion meter with up to 19 standard solutions; Automatic buffer recognition; Determination of Ion Concentrations by Direct measurement ,automatic standard addition or subtraction. Power supply: single phase, 220±20V and 50HZ</p>		
4	Refrigerator (4°C)	<p>Double Door; 330-360Ltr, Frost free, Inverter compressor; Temperature: Storage compartment: 0-4 °C, Freezer compartment upto -5 °C to -20 °C, Convertible, Frost Free;Power supply: single phase, 220±20V and 50HZ</p>	2	1500.00
5	Plant growth chamber	<p>Growth chamber of at least 16-20 cubic feet (300-350L) volume for growth of plants at specific environmental conditions; Microprocessor controlled digital display and controller for monitoring environmental parameters such as humidity, light and temperature; Integrated with audio visual alarm systems; Must be provided with double glass peep windows for monitoring without opening the door; Adjustable shelves (3-4); Temperature range- 5^o to-45^oC; Humidity range- 40% to 90%; Light intensity up to 12000 Lux with control (Four Side); Option for UV light (at least two side) Power supply: Single phase, 220±20V and 50Hz.</p>	1	4000.00
6	Microwave oven	<p>Microwave oven of 25-30 lt volume; with Soft/ one touch control panel; Microprocessor based Solo and grill; Power supply: Single phase, 220±20V and 50Hz</p>	1	200.00

7	ELISA Reader (Plate)	Microplate absorbance reader, Wave length range: 400-750nm, photometric range upto 3.5 OD, Accuracy: ± 0.01 ; resolution: 0.001OD; Filter wheel: 8 place; Duration: upto 999 sec; USB interface or suitable interface for connection to PC; Memory: 50 protocols; Power supply: Single phase, 220 \pm 20V and 50Hz	1	4000.00
8	Respirable Dust Sampler	<p>Particulate Sampling / Separation: Cyclonic separation of dust into fractions of $< 10 \mu\text{m}$ and $> 10 \mu\text{m}$.; Heavy Duty Blower: Brushless; Flow Rate: 0.9 – 1.4 m³/min free flow ;Filter Holder: Aluminium Casting with fine finished rubber gasket; Sampling Time (maximum): 28 hrs; Time Totalizer: 0 – 9999.99 hrs</p> <p><u>Gaseous Sampling Attachment:</u> Thermo-electrically cooled (15°C) external attachment with 04 impinger tubes; Special Silica-gel filter tubes to remove entrained particulates & moisture; Improved valve design maintains constant flow rate; Flow Rate: 0.2 to 2 LPM; Least count 0.05 LPM; Flow Control: Four inlet and one outlet with built in needle valves for flow control of each unit; Sampling Train: 4 Nos. of 35ml Borosilicate glass impinges. Power supply: Single phase, 220\pm20V and 50Hz</p>	1	2000.00
9	Fine Particulate Sampler	Particle Size: Omni-directional air inlet with PM 10 separation through an impactor followed by PM 2.5 separation through a WINS Impactor; Sampling rate: Constant sampling rate of 1m ³ /hr unaffected by voltage fluctuation and filter choking maintained by critical orifice system; Filter Media: 47 mm diameter Teflon filter membrane; Sample Volume: Dry Gas meter for recording the total air volume sampled; Power supply: Single phase, 220 \pm 20V and 50Hz	1	3000.00
10	Trinocular microscope	Ore/ Petrological microscope with trinocular head 360°C rotation and 45°C inclination; Built-in 1.25X auxiliary objective, Revolving quadruple nose piece, with center adjustable objective mounts; Polarizer, analyzer, Bertrand lens, and	1	3500.0

		compensator plates (1/4 λ , 1 λ and Q plate) should be included; Eyepiece: WF10X (a pair of regular, and one with reticles, one with cross hair, and one with grids); Objective: - 4X, 10X, 25X, 40X, 63X, Plan 25X, Plan 40X, Plan 63X; Total Magnification: 50X to 750X; Stage: Circular, 150-200 mm, Rotatable (360° angle) with graduations, a vernier scale and mechanical holder for the specimen; Polarizer for both transmitted light and reflected light; Camera: USB 3.0/2.0 Digital Micro-photo-graphic Camera 5MP or 10MP and attachment. Power supply: Single phase, 220±20V and 50Hz		
11	Carbon Dioxide Incubator	CO ₂ Incubator with work chamber volume of 150-180L; Chamber type: Direct heat, air jacketed; Door swing: Left hinged; Interior: Stainless steel, With at least three shelves; System should have built-in econtamination facility without the need of removing sensor, fan or any other fitting; Airflow technology: Fan assisted; CO ₂ sensors: TC or IR; O ₂ control: 1-21% or 5-90%; Humidity: Integrated water reservoir; Display: large digital display for both temperature and CO ₂ simultaneously; With built-in audible and visual water level alarm, other error alarms; Power supply: single phase, 220±20V and 50Hz.	1	12000.0
12	Deep Freezer (-80C)	Upright, Ultra-Low Freezer; Capacity: 400-450L; Temperature Range: -50°C to -86°C Insulation: Vacuum Insulation Panels (VIP) and Water-Blown Polyurethane Foam (SNAP-compliant); Refrigerant: R290 (1st stage), R170 + R290 mix (2nd stage), Other Green gasses, if any will be preferred; Defrost: Manual; No. of Internal Compartments with doors : 4-5; Display: Touch-Screen LCD; Noise level: < 60 dB; Built in Alarm and Alarm type: Audible & Visible; Power supply: single phase, 220±20V and 50Hz.	1	15000.0
13	Fermentor	Sterilizable-In-Place (SIP) Fermenter; Autoclavable glass/ SS vessel; Working volumes of 5 L; Choice between electro or steam heating for operation and sterilization; Powerful DCU automation	1	12000.0

		platform with newly added functions, e.g. Advanced DO controller, gravimetric feed control and up to four mass flow controllers allowing more sophisticated gassing strategies; Agitator motor and automatic sequences for sterilization and pressure hold test; pO ₂ : Amperometric or optic : 0–100% ; Operating Temperature 0°C–40°C; Motor rpm- 30-800; pH Range: 2-12; With aeration module: Gas Inlet and Outlet; Maximum relative humidity 80% for temperatures up to 31°C decreasing linearly to 50% relative humidity at 40°C; supplied with DO Probe/Senser, pH Probe/Senser, Temperature Probe/Senser; Power supply: single phase, 220±20V and 50Hz.		
14	Water purification System	Water purification System should produce Molecular biology grade (ASTM Type 1) and analytical grade (ASTM Type 2) water directly from tap water feed; System should include a OEM made pre-filter to take care feed water with TDS as high as 8000 ppm & SDI up to 50; Main System should have a pre-treatment cartridge with silver imprinted activated carbon & anti-scaling compound to protect the RO membrane against oxidation, scaling and plugging; High flux thin film composite polyamide RO membrane (MW>200 Dalton) with 95- 99% rejection; RO pressure, RO water quality, RO membrane efficiency (% ion rejection) should be seen on display; Conductivity cells before and after the RO Membrane and should have high recovery loop with capillary tube and diaphragm valve to reduce the wastage of feed water; Auto regenerated Electro deionization module with Carbon beads at cathode; EDI (Electro-deionisation) module should not require softening pre-treatment; Coaxial resistivity cell with 0.01cm ⁻¹ cell constant for optimum measurement accuracy as required by ASTM® D 1125-95 and comply USP recommended standard; To avoid maintenance errors and to improve traceability, the internal water purification cartridges should have a built-in RFID [Radio Frequency identification] tag; Large display with Auto diagnostic facility ensure	1	12000.0

		<p>real time Error Number/Code for complete traceability; should be provided with 50L reservoir with air sanitization kit to store product ensuring the water quality; Data management and monitoring software ensure real time data reliability, traceability; Optional low-pressure mercury vapor lamp with dual wavelength (185 and 254nm); The ultrapure water system will be able to recirculate water to maintain high water quality; instrument should have CE, ISO certification</p> <p>Final Filters Options:</p> <ol style="list-style-type: none"> Pharmaceutical grade, final filter with 0.22 micron membrane filter in stack disc configuration, UF cartridge at the collection end with LRV is between 5.6 and 7.65 over challenge range of 220 and 22000 Eu / mL. <p>Product water quality [DD grade, TYPE II] (Analytical Grade):</p> <p>Resistivity : 10-15 MΩ·cm @ 25° C TOC : <30 PPb Product water delivery : 3L/hr Silica Rejection : > 99.9%</p> <p>Product water quality [MB GradeASTM Type I]</p> <p>Resistivity : 18.2 MΩ·cm @ 25° C TOC : <10 PPb Product water delivery : > 0.5 L/min Pyrogen Levels (EU/mL) : < 0.001 RNase Level (pg/mL) : < 1 DNase Level (pg/mL) : < 5 Bacteria (cfu/mL) : < 0.1</p>		
15	Nano drop spectrophotometer	<p>Micro volume Spectrophotometer, with cuvet capability; Applications:Nucleic Acid Quantification, DNA Quantification, RNA Quantification, Protein Quantification; Concentration range: 2ng/μl-15,000 ng/μl (dsDNA) ng/μl; Detection Limits: Pedestal: 2ng/μL (dsDNA), 0.10 mg/mL (BSA) Cuvette: 0.4 ng/μL (dsDNA), 0.01 mg/mL (BSA); Detection Range: Pedestal: 2-15,000 ng/μL (dsDNA) , 0.10 – 400 mg/mL (BSA); Detector Type: 2048-element linear</p>	1	12000.0

		silicon CCD array; Light source : Xenon Flash lamp; Measurement Time: <3 sec.; Absorbance Range: Pedestal: 0-300 ABS Cuvette: 0 - 1.5 ABS; Absorbance Accuracy: 3% (at 0.74 Abs at 350nm); No. of Samples:1; Path length (Metric) 10; 5; 2; 1mm; Footprint: 14 x 20cm; Sample Volume (Metric)1000, 0.5-2.0 μ L; Spectral Resolution =1.8nm (FWHM at Hg 253.7); Wavelength Range: 190-840nm; Wave length Accuracy: \pm 1nm; Compatibility Microsoft Windows 7 Professional (32-bit and 64-bit), Windows 8 (32- and 64-bit), and Windows 10 Pro (64-bit); Connections: USB; Depth (Metric): 20cm; The spectrophotometer should be supplied with Core i% 8 th generation PC with atleast 4GB ram and 1TB HDD and Licensed Windows Professional Software and suitable online UPS. Power supply: single phase, 220 \pm 20V and 50Hz.		
16	Thermal Cycler	<p>Gradient Thermal Cycler: Made up of Silver Block accommodating 96 \times 0.2 ml and 1PCR plate 8 x 12 (SBS standard), Sample working volume 10ul-50ul, Block Homogeneity \leq 0.3$^{\circ}$C, RAMP rate of atleast 5$^{\circ}$C/sec for both cooling and heating; Temperature control of block: 4-99$^{\circ}$C, Temperature control mode – Fast, standard and safe, Gradient Block – Over 12 rows, Gradient range: 20 degree across the entire temperature control range; Heated lid system with temp. range: 35$^{\circ}$C to 110$^{\circ}$C, Block should maintain below 20$^{\circ}$C during the heated lid reaching to its set temp to avoid unspecific amplification.</p> <p>Auto restart option in event of Power failures, Display to indicate cycler number, temperature stand etc., Self-test of peltier elements, RS 232 and printer interface; Memory of atleast 500 programs Facility for programming: 2 step PCR, 3 Step PCR, Gradient PCR, Long Range PCR, Low volume PCR, Incubation, Cycle sequencing, Touchdown PCR, Hot Start PCR, Large volume PCR, Nested cycles.Should be provided with suitable online UPS with 2hr backup.Power supply: single phase, 220\pm20V and 50Hz</p>	1	10000.0
17	Rotary Evaporator	Rotary Evaporator System with Motorized Lift, diagonal glassware & water bath; Condenser Type: Diagonal; Minimum	1	10000.0

		Speed: 50 rpm; Maximum Speed: 280 rpm; Speed Resolution: 1 rpm; Glass Type: Uncoated; Joint Size: Rotary ; Connections 24/40, receiving flask 35/20 Evaporation Flask Size 50 to 1000 mL; Lift Mechanism: Motorized; Bath Type: Water Bath; Capacity (L) : 4-5; Temperature: 4° C to 90° C; With Vacuum Seal PTFE; Power supply: single phase, 220±20V and 50Hz		
18	Vertical Laminar Air flow	Laminar Cabinets with Inner Chamber & Outer Chamber made of stainless steel high efficiency particular air filters, to achieve the air purification up to 0.3 Microns in working area; Working area 4 ft x 2 ft x 2 ft; Energy efficient blower fitted with 1/4 HP Motor, with RPM 1200 to 1400; Pre-filters made of high-grade nylon Net fixed in S.S. frame for first Stage air purification, through blower system; Closed Inner Chamber fitted with HEPA having very accurate performance rate of air filtration, rated 99.99%, Working area of Laminar Airflow Cabinets illuminated by fluorescent light as per need; Fitted with UV Germicidal lamp for sterilization; Fitted with Acrylic Front Door sliding type; Fitted with Manometer for measurement of HEPA Filters Choking system; Fitted with Cock for Gas Connection; Power supply: 220±20V. Single Phase 50Hz.	1	4000.0
19	Chemidoc System	Supplied with Trans illuminator, Camera hood etc. Multipurpose scanner with high-sensitivity detection technology and modular options to accommodate a wide range of samples and support multiple detection methods including fluorescence, colorimetry, densitometry, chemiluminescence etc. Transilluminator: 25 x 25 cm (UV, epi, white) Detector type: Super cooled CCD; Pixel size (H x V): 6.45 x 6.45 µm; Cooling system: Peltier; Camera cooling temperature: -30°C controlled; Filter selector 3 positions (2 for filters, 1 without filter, for chemiluminescence); Emission filters two with optional upgrade; Dynamic range >4.0 orders of magnitude; Pixel density (gray levels) 65,535; Operating temperature 10–28°C Power supply: single phase, 220±20V and 50Hz.	1	22000.0

		<p>Provision for following detections:</p> <ul style="list-style-type: none"> • <u>Blot Detection:</u> Chemiluminescence, Colorimetric Blots • <u>Nucleic acid detection:</u> Ethidium Bromide, SYBR® Green I or SYBR® Safe Dye • Fast Blast™ DNA Stain • <u>Protein Staining, 1D-gels:</u> Coomassie Blue Stain, Silver Stain, • SYPRO Ruby, Flamingo™, and Oriole™ Fluorescent Gel Stains • <u>Protein Staining, 2D-gels:</u> Coomassie Blue Stain, Silver Stain, Flamingo™ Fluorescent Gel Stain, Pro-Q Stain • Should be supplied with PC core i5 8th Generation 4 GB RAM and 1 TB HDD With Licensed Windows Professional Software and online UPS 30 min back up 		
20	Flourescence microscope	<p>Frame : Rigid and vibrations free frame; Illuminator : Built-in-Koehler illumination for transmitted light 12V100W halogen bulb (precantered) with motion sensor detects when an operator leaves and automatically turns off the light for long life of bulbs, light preset switch, built in filters; Observation tube : Wide field trinocular observation head with field no. 22-25 mm Eyepieces : Wide field eyepieces with field No. 22-25 mm Stage : Rectangular Mechanical Stage, Ceramic-coated coaxial stage with right hand low drive control with rotating mechanism and torque adjustment mechanism; Focus : Vertical stage movement 25mm stage stroke with coarse adjustment stopper. Torque adjustment for coarse adjustment knobs. Stage mounting position variable, high sensitive fine focusing knob with minimum adjustment graduation should be 1µm. Objectives : Plan Achromat Objectives 4X/0.1 Fluorescence/Semi Apochromat Phase Contrast Objectives 10X/0.3 Fluorescence /Semi Apochromat objective 20X/0.5, (spring) Fluorescence /Universal Plan Semi Apochromat Phase Contrast Objective 40X/0.75, (spring) Universal Plan</p>	1	10000.0

		<p>Super Apochromat Objective 60X/1.35, (spring, oil) Universal Plan Super Apochromat Objective 100X/1.4, (spring, oil); Condenser : Universal Turret Condenser NA 1.1 for Bright Field, Phase Contrast and Dark Field Microscopy</p> <p>Fluorescence Unit : Fluorescence with alignment free 130W mercury/LED illumination .Fluorescence axis should have six to eight cube filter turret with Zero Pixel Shift technology. Single narrow band Filters for UV, Blue & Green range excitation and one triple band filter for UV/Blue/Green excitation</p> <p>Cooled Digital Monochrome Camera : Monochrome camera, 1.4 or more Mega pixel for High Resolution Images, Progressive scan interline CCD, Pixel size 6.45um x 6.45um,1280 - 1392 x 1020 - 1040 pixels,10fps frame rate, Mono, 12bit, includes camera head,1394 Fire wire digital interface, power supply. High-Speed Readout < Previewing & focusing in real time 10fps full resolution@12bits(165fps maximum with binning and ROI functions), Tight synchronization with flash lamps automated filters, shutter & microscope stages. Linear Full Well 18,000e-(22,000e-with 2x2 binning), Dark current 1.5e /p/s .Minimizing thermal noise during low light, long exposure imaging, 2/3 inch optical format. 2/3 inch C mount adapter.</p> <p>System should be capable of handling brightfield and fluorescence object</p> <p>Magnification changer: Having option of 1X, 1.25X, 1.6X and 2X. Imaging and analysis System: Image analysis Software for Measurements, EFI, Time lapse imaging, unmixing, colour merging for fluorescence imaging, image stitching, image overlay, line profile, geometry/combine/ filter processing and should be capable of driving the camera for capture of Images in Real Time. Basic Image Acquisition : Live image acquisition : Captures live images in various formats, compares live image with previous snapshot, displays crosshair in live image, saves and loads acquisition settings to reproduce capture conditions. Movie : Creates .avi movie files. Camera settings Saves and loads camera settings to</p>		
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		<p>reproduce its snapshot conditions. Basic Image Tools : Image history and properties : Displays image history and properties. Image navigator : Enables tool window for image navigation and zooming. Gallery view : Displays thumbnails of open images in a gallery. Layers : Enables viewing, extraction and deletion of single image layers. Adjust display : Adjust display settings manually or automatically. Combine RGB images: Enables to combine multiple RGB images in one multi-layer image. Image processing tools : Enables to adjust RGB, to adjust intensities, to optimise contrast, to perform white balance, and to invert images. Projections of display : Calculates projections of image display (min, max, mean). Static annotations: Draws text, arrows, lines, rectangles and ellipses on the image. Basic Customisation : Saves and manages layouts : Creates, customises, saves and restores interface layouts. Dark skin : Interface skin with coloured icons against a dark background Basic Reporting : Data export and statistics : Exports measurement data to MS Excel and cell Sens workbook format enables statistical analysis of measurements. Time lapse : Captures still images over time frequency. Extended Image Tools : Image geometry : Enables to mirror, rotate, resize and crop images, to shift channels, and to adjust image stacks (cellSens Dimension only). Image Enhancement : Edge detection filters (scobel, roberts and laplace); smoothing filters (rank, median, sigma, low pass and NxN); sharpen filters (sharpen and high pass), adjust intensity and contrast, shading correction and background subtraction and dynamic contrast enhancement (DCE). Morphological filters: erosion, dilation, top hat, open, close, gradient, skeleton and watershed. Mode : Enables to convert bit-depth and colour space. Automatic image calibration Automatically calibrates acquired images based on microscope configuration and current magnification reading from encoded or motorised nosepieces. Extended Measurement: Interactive measurements: Enables field of view measurements to measure distances, angles, rectangles,</p>		
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		<p>circles, ellipses and polygons: point, arbitrary line, perpendicular line, polyline, three points angle, four points angle, rectangle, rotated rectangle, three points circle, two points circle, rotated ellipse and closed polygon. Saves and loads measurement of an object from the image.</p> <p>Should be supplied with PC core i5 8th Generation 4 GB RAM and 1 TB HDD With Licensed Windows Professional Software and online UPS 30 min back up.</p>		
21	High speed Refrigerated Centrifuge	<p>Refrigerated Centrifuge with Fixed angle rotor, swing out rotor and Microplate rotor. Max speed: atleast 14000 rpm (20000Xg); Temp range: -5°C to 30 °C with Fast cooling option; Should have automatic rotor detection and imbalance checking; Programming for temperature, time and RCF/RPM; preset temperature and time; Run time: 30 sec to 99:50 minutes and continuous run function; Timer countdown to be started only when selected speed is achieved; Program memory: 3-40 programs; Display for rcf and rpm speed setting; Noise levels: ≤ 60 dB(A); Automatic motorised lid locking; Safety standards as per IEC 1010-2-020; Stainless steel and corrosive resistant chamber; Condensation drain should be available to eliminate water accumulation in chamber; Rotor: Made of Metal ; Autoclavable rotors at 121°C for 20min; Centrifuge should be IVD (In-vitro diagnostic) certified.</p> <p>Fixed Angle rotor: Atleast 20000 RCF &12000rpm with Max Capacity – 6 x 50ml or more with adaptors 6 x 15, 6 x 50 conical tubes and falcon tubes and 24 x 1.5/2ml tubes.</p> <p>Swing bucket rotor : Atleast 4500 RCF& 5000 rpm with Max Capacity – 4 x 250ml or more with adaptors 4 x 100, 4 x 50 ; 8 x 15 ml conical tubes and 12 x 1.5/2ml tubes for holding tubes of 0.2 ml to 250 ml</p> <p>Plate rotor : Atleast 3500 RCF& 2000 rpm with Max Capacity – 2 x 4 cell culture plates and.or 2 x 2 PCR plates.</p> <p>Power supply: Single phase, 220±20V and 50Hz, Should be provided with suitable stabilizer</p>	1	9000.00
22	Lyophilizer with vacuum Concentrator	<p>Programmable Freeze drier with vacuum Concentrator and cold trap, condenser module (-55°C) with minimum 5 L capacity, vacuum pump (Displacement: 195</p>	1	13000.00

		L/min @ 60 hz; 160L/min @ 50 hz; Maximum Vacuum: 1.95×10^{-3} mBar, 24-port manifold, required quantities of flasks and Caps, Concentrator (Bleeder Valve: Automatic Volume Range/Tube: 0.4 to 100 ml Maximum Tube Capacity: 120 x 1.5 ml) and a full complement of accessories. Power Requirement: 230V-50Hz; Suitable servo stabilizer.		
23	Refrigerator (4°C)	Double Door; 330-360Ltr, Frost free, Inverter compressor; Temperature: Storage compartment: 0-4 °C, Freezer compartment upto -5 °C to -20 °C, Convertible, Frost Free; Power supply: single phase, 220±20V and 50HZ	2	1500.00
24	Stereozoomic microscope with camera	Trinocular, C- mount, Magnification- 0.65X to 4.5X; Eye piece- wide field, 10X, 20X and 25X; Zoom ratio: 1:7 to 1:10; Illumination: Halogen/ Fluorescence/ LED; Additional dual LED illuminator (6W each); To be supplied with Adapter for Camera; Digital Microscopic colour camera, 10 MP, progressive scan, ½.3”sensor; Pixel size: 1.67 x 1,67 Fps; option for static (3200 x 1800) and dynamic (1920 X 1080) resolution. All camera specifications such as: pixel count and resolution, sensor size, binning, FPS@ max resolution, exposure etc. should be clearly mentioned in the quote; Power supply: Single phase, 220±20V and 50Hz.	1set	3000.00
25	Flame Photometer	Mode of operation: Microcontroller controlled automation; No of elements / filters – 04 (Na, K, Li, and Ca); External Calibration: upto five point; Averaging time: 2 – 15 seconds; Options to store frequently used measurement setups; Option for restandardisation with single standard; Calibration method: With Low concentration mode and high concentration mode, With linear mode or quadratic curve fitting; Option for data storage and display (Max. results storage: 500); 20-character, 4-line alphanumeric LCD readout for adequate user interfaces; Built-in real time clock for date and time of analysis; Option for printer port, batch samples in the memory (500 max); Air compressor with built-in air	1	1200.00

		regulator and air filter; Operating air pressure: 0.45 kg / cm ² ; Automatic flame ignition (fuel type: LPG) Power supply: Single phase, 220±20V and 50Hz		
26	COD Digestion Apparatus	No of cavities: Up to 15 (to accommodate 40 mm dia tubes), Outer body made of thick mild sheet (power coated), Double walled construction with 2.5" gap filled with best quality glass wool, Inner chamber (inside the hole): Cast iron; Maximum Temperature: 280 – 300 °C; Heating type: Electric heating; PID temp controller cum indicator to be placed on the front panel of the instrument, timer to be fixed on the same; to be supplied with five Digestion set/assembly. Power supply: Single phase, 220±20V and 50Hz	1	800.00
27	Trinocular petrological/ore microscope	Ore/ Petrological microscope with trinocular head 360° rotation and 45° inclination; Built-in 1.25X auxiliary objective, Revolving quadruple nose piece, with center adjustable objective mounts; Polarizer, analyzer, Bertrand lens, and compensator plates (1/4 λ, 1 λ and Q plate) should be included; Eyepiece: WF10X (a pair of regular, and one with reticles, one with cross hair, and one with grids); Objective: - 4X, 10X, 25X, 40X, 63X, Plan 25X, Plan 40X, Plan 63X; Total Magnification: 50X to 750X; Stage: Circular, 150-200 mm, Rotatable (360° angle) with graduations, a vernier scale and mechanical holder for the specimen; Polarizer for both transmitted light and reflected light; Camera: USB 3.0/2.0 Digital Micro-photo-graphic Camera 5MP or 10MP and attachment. Power supply: Single phase, 220±20V and 50Hz	1	3500.0

B. IT and Electronic Equipments

Sl.	Name of the Item	Specifications	Quantity	EMD amount (INR)
1	Mojo Kit	Fully customizable with different gadgets including extra cameras- lights- displays-	01 set	600.00

		microphones- power banks- etc.; High-grade aluminum 37-52 mm hood, optics adaptor, lens cup and cold shoe tracks as well as stainless steel alignment bars; Compatible with ANY Smartphone model and any combination of external lights, microphones, monitors, power banks, lenses, hoods and more.; In action, the rig should be handheld, mounted on tripods or dollies or attached via suction cups; Additional kit of extensions: -Two 36 LED lights with USB charging cables; -Gun microphone with standard 3.5 mm jack, foam windshield and cold shoe snap mount; -Extra clamp holder with one more quarter-inch tightening bolt.		
2	Action Camera (Go-Pro)	4K 20MP high resolution sports cam – Pro and Real 4K 30fps video and 20MP photo resolution provided by 7 layers optical glass camera lens; 2” IPS 40meters waterproof camera –waterproof and dust-proof cases come with the accessories kit; Anti-shake with time-lapse&loop recording; Control freely with built-in wi-fi – Download the YUTUPRO app and connect with your camera. You can then operate the camera easily on your phone, like change settings, view photos or videos and share on your social media; Mounting accessories pack – Accessories pack mainly included 2 x 1350mAh batteries, USB battery charger, mounting kits, various strap and fixed base. The kit will meet different demands of outdoor sports	02	1000.00
3	Teleprompter	Dual monitor use; Mouse movement speed control; User control of scroll speed and smoothness using the hand control; designed for 25icrosoft windows; top to bottom scroll. Bottom to top scroll; reverse mirror text. Prompts in any window’s compatible language rich text or plain text format; ss fornt color/size selection; multiple font type & sizes per single line; page selection (next previse). Import world file.	01	5000.00
4	MAC System-PC	21.5-inch iMac with Retina 4K display: 3.4GHz quad-core Intel Core i5 (MNE02HN/A); Display: Retina 4K display, 21.5-inch (diagonal) Retina 4K display, 4096x2304 resolution with support for one billion colours, 500 nits brightness, Wide colour (P3); Processor: 3.4GHz quad-core, Intel Core i5 (Turbo Boost up to 3.8GHz); Memory: 8GB of 2400MHz DDR4 onboard memory; Storage1: 1TB Fusion Drive; Graphics: Radeon Pro 560 with 4GB of VRAM; Operating System: mac OS Sierra Power supply: Single phase, 220±20V and 50Hz	01	3000.00
5	Professional	100%Viewfinder Coverage; CMOS sensor with	01	2500.00

	DSLR Camera (Full Frame) with you're a	impressive, high-resolution result; EOS full HD movie mode with movie service; 30 megapixel CMOS (APS-C) sensor; 14-bit A/D conversion; ISO 100-12800 (expandable to H: 25600)		
6	Fish Eye Lense with accessories	Filter size: 67mm; 1 Ultra-Low Dispersion (UD) lens reduces chromatic aberration throughout the zoom range; Rear focus system, high-speed CPU and improved AF algorithms provide high-speed auto focus; full time manual focus is also supported; 7-blade circular aperture for beautiful out-of-focus image	01	500.00
7	DSLR Mirrorless Gimble with accessories	Detachable handle: a2000 optional dual handle system allows you to use you're a2000 with two hands; Function button: these lightweight handles gives joystick and menu controls built into the hand grip, making it easy for you to change shooting modes; Easy carrying: the hand grips are neatly wrapped with anti-slip material that allows a firm grip at all times. This a2000 handles are also able to fold in half for easy storage	01	600.00
8	Cordless Mic Kit with accessories	Professional, large-diaphragm condenser microphone for unsurpassed audio quality; Ideal as main and support microphone for studio and live applications; Cardioid pickup pattern for outstanding sound source preparation and feedback rejection; Pressure-gradient transducer with shock-mounted capsule; Ultra-low noise, transformerless FET input eliminates low-frequency distortion; LED indicates phantom power operation; Swivel stand mount and transport case included; Ultra-rugged construction with metal die-cast body; Gold-plated 3-pin XLR output connector for highest signal integrity	01 set	1200.00
9	Studio Monitor Set with accessories	Two-way active monitor systems for multimedia workstations and keyboard monitoring; High-power woofers and tweeters powered provide a linear frequency response; Individual Volume controls for both Line inputs as well as Bass and Treble EQ controls; Optical and coaxial inputs to directly connect digital audio sources via S/PDIF interface; Two stereo analogue inputs featuring 1/8" TRS and stereo RCA connectors can be used simultaneously or mixed with a digital stereo source; Features 1/4" TRS headphone connector with auto-mute function easily accessible from the front panel; 2× Stereo Analog Inputs (TRS and Stereo RCA Connectors); 1/4-inch TRS Headphone Connector with Auto-mute Loudspeaker Function; 1/8-inch TRS and Stereo RCA Connectors	01	1000.00

10	Audio System with accessories	Wireless speakers, Functions: CD,DVD,USB,FM, Blue Tooth; Input-HDMI; Output-USB2.0/3.0, Microphone input; Sound System: Mega Bass, Dolby Digital; Playable Formats: mp3, mpeg4, xvid	01 set	1000.00
11	Audio Recorder with accessories	One-channel USB audio interface pack Condenser Microphone, Noise reducing system	01 set	500.00
12	Digital camera with accessories	SLR; 18 MP Camera; 1080p HD Video Recording; 22.3 x 14.9 mm, CMOS Sensor; 3 in, 1M dots, LCD Display; 1/4000 sec Max Shutter Speed; HDMI, TV-Out Picture Bridge, Microphone. Camera battery, charger and bag Wide strap, USB cable, software CD and Operation Manual	01	1000.00
13	Video Camera with accessories	Optical Zoom 20 x; Screen Size 3.5 Inches; Sensor Resolution 18.4 Megapixels; Video Capture Resolution 3840 x 2160 ; 16:9 screen recording	01	2000.00
14	21 inch Monitor	Size – 21 inch; Full HD; LED; Power supply: Single phase, 220±20V and 50Hz	01	5000.00
15	One way Mirror	Size: 6ft x 3ft ; Thickness: 8-10 mm; Tint – Neutral; Reflectance: Greater than 58%; Transmission: 3%; Fitted with PVC frame	01	500.00
16	Laser Printer	Monochrome laser printer, 20 ppm A4, One touch screen print, Hi Speed USB 2.0/3.0 Power supply: Single phase, 220±20V and 50Hz	06	500.00
17	Projector screen	In light 6-7 ft x 4-5 ft dia; 4:3 Universal wall pull down with auto lock facility, 1080p, Ultra HD-3D-4K-white	06	250.00
18	Silent Diesel generator (30 KVA) with installation and shed etc.	a. Silent and fuel efficient Diesel Generator, Three phase, Capacity: 30 KVA, Cylinders: three; Fuel Tank capacity 50 to 100 litre; Control panel: Microprocessor controlled LCD screen with push type off on control with lock. Provided with All accessories. b. Preparation of Suitable Shed for DG set, Cable connection to seminar hall, laboratory and office via control panel with desired number of two way changeovers (one main 30 KVA and five sub changeover of appropriate of load of 10-15 KVA each) make . HPL or equivalent	01 set	12000.00
19	Tripod for DSLR camera	90 degree column system lets you capture new perspectives; Easy set up thanks to the Quick Power Lock system; Add accessories via the Easy Link connector; Maximum Weight Load Capacity: 8 kg; Range of Height: 3.5-72.1 inch; Option for Leg Angle Selector; XPRO 3-Way	03	1800.00

		head for framing on all axes		
20	Video Mixer Four Channel Digital Video Mixer with Effects, including installation and training	Four channel video mixer by incorporating HDMI inputs and outputs, USB streaming, HDCP support, built-in touch multi-viewer, and audio embedding; Three Input (SD HDMI/Composite) + 1 Input (Up to 1080p HDMI/RGB/Component/Composite); PGM Output (Up to 1080p HDMI + RGB/Component + Composite) + PVW Output (PVW/Multiviewer); 480p/576p Progressive internal processing; Built-in frame synchronizers on all inputs; Scalers on CH 4 and Output; 259 Transitions 148 Effects; Audio Mixer & Delay -up to 4 frames; Video Processing: 4:2:2 (Y/Pb/Pr), 8 bits (Internal Processing: 480/59.94p when set to NTSC, 576/50p when set to PAL); Audio Processing: Sampling Rate: 24 bits/48kHz, 2 ch Should be supplied with suitable stabilizer; Power 220 V and 50 Hz.	01	4000.00
21	Tripods for Video camera	3-way head with adjustable pan; Steady rubberized legs; Multipurpose head with quick release ; Multipurpose head for DV cameras; Made from High Grade Aluminium Alloy; Quick Flip Leg Locks; Fluid pan & tilt movement; Quick Release Plate & Bubble Level	3	2400.00
22	70-300mm EFS Telephoto lens	Focal Length & Maximum Aperture: 55-250mm F/4-5.6; 12 Elements In 10 Groups, Including One UD-glass Element; Focus Adjustment: DC Motor, Gear-driven(front Focusing Design); Closest Focusing Distance: 3.6 Ft./1.1m	1	400.00
23	18-135mm EFS Zoom lens	Equipped with new NANO USM technology combining Ring USM and STM for smooth and near-silent video and high-speed AF for still capture; Improved driving speed of the focusing lens up to 4.3x* (Tele) and 2.5x* (Wide) for faster autofocus; Compatible with new Power Zoom Adapter PZ-E1, providing electrical zooming that helps deliver more natural zooming while shooting video; Dynamic IS helps reduce camera shake when shooting video for improved image quality even when the user is in motion; Closest Focusing Distance:1.28 ft./0.39m	1	700.00
24	35mm EF prime lens	Compatible with leading EF DSLR cameras; Focal length of 40mm and maximum aperture of 2.8mm; Movie Servo AF uses STM stepping-motor technology for smooth quiet focusing when shooting video with compatible cameras; Use an f/2.8-22 aperture range to control depth of field and shoot hand-held in low-light conditions and pin-sharp images with fast, quiet AF with STM; Suitable for a wide variety of subjects, from	1	500.00

		portraits to landscapes, great for discreet reportage photography; No image stabilization; Length of 60-70 mm.		
25	Quark Express (Software)	Page Layout software (2018 Version)	1	400.00
26	Adobe Suite (CS6)	Version 20.0.3 (2019); Adobe Premiere Pro CS6 + Adobe After Effects CS6 + Adobe In Design + Adobe Photoshop-CS6 + Adobe Light Room CS6	1	1800.00
27	Cool Edit Pro (Software)	Version 2.1 (2018)	1	1600.00
28	Final Cut Pro X 10.4.4 (Software)	Version 10.4.4 (2018)	1	1200.00
29	Digital Multi track Recorder with interchangeable Microphone system	Direct recording to SD cards up to 128 GB. Display 2.0-inch full color LCD (320 x 240 pixels); Gain knobs, pads, and phantom power for each input. Maximum Sound Pressure Input: 122 dB SPL; Preamps with an ultra-low noise floor, up to 24-bit/96kHz audio in wav or MP3 format; Mountable directly to DSLR or camcorder with optional hot shoe mount adapter. Multichannel and stereo USB audio interface for WINDOW/ MAC/iPad. Supplied with all accessories including memory cards, cable etc. (complete set)	1 set	500.00
30	3 Point Studio Continuous Soft box Light : Key Light, Fill Light and Back Light - complete chroma kit	Each Light should have 3- 5 Bulb Holder option; 3 Point Light solution for professional studios for Filming, Photography, Photo Shoot, Product Photography, Cinematography; Also work for Chroma Green Screen Special Effects, News, Interview, Blogging, Film Shooting, etc.; 3x 5-Bulb Holder, 2- Light Stands, 1- Boom Stand, 1- Background Stand, 3 -Color Backdrops (Green, White & Black); Soft box 3 nos.	One complete set	750.00
31	LCD Monitor	8-9 inch, 1920 x 1200 HD IPS; LCD Monitor HDMI Input / Output; AV Input for leading DSLR Camera, Camcorder ,Video Studio, Photography;	1	800.00
32	All- in- One Outdoor Flash	Built-In 2.4 GHz Wireless X System; Compatible with Most TTL Systems; 400Ws, 1/256 to 1/1 Power Output; Lithium-Ion Battery Powered; Up to 390 Full-Power Flashes; Flash Duration: 1/240 to 1/12,820 sec; 1/8000 sec High-Speed Sync; 0.01-0.9 sec Recycling Time; 30W LED Modeling Lamp, 4800K, TLCI: 93; Stable Color, Temperature Mode.	2 (One Pair)	2000.00
33	Internet Radio	Setting up of Front End and Back End along with accessories and softwares	1 set	1600.00

C. Lab Furnitures:

Sl.	Name of the Item	Specifications	Qty	EMD(Rs)
1	Lab Table Centre (Island Table)	Ergonomically designed, Central Island Table with Rack; Size: 8 ft (L) x 5ft (w) x 3ft(H) with Chemical rack; Work Top:- Made of (17 to 19mm) thick Jet Black Granite Top with Chamber moulding at the front & groove at the bottom to avoid chemical spillage on the modules; Material of Construction:- Completely made of 1.5 mm GI sheets (TATA or equivalent); with epoxy powder coating, Chemical resistance; Table should be fitted with four Drawer and Four Cup board (two tier), moulded with GI sheet as mentioned above. Fitted with power connection and other assembly as per requirement of chemical and biological lab.	04	8000.00
2	Lab stool (Bar stool type)	Ergonomically designed with back support and hydraulic system for sitting height adjustment (16 inch to 25 inch), Made up of high quality metal/chrome with heavy chrome base, stainless steel coated and foot rest. Both seat and back support is either high quality PVP or metal embodied with 28 density primo foam and leatherette cover; Seat Size: 18 inch x 18 inch.	24	1000.00

Chapter-V: Price Schedule (FOR Price BID only)

The Price bid should be submitted in a sealed envelope mentioning the name of the Item as per the following format. For each item the price bid should be sealed separately.

FORMAT-VIII FOR PRICE BID

(Should be submitted in the letter head/pad of the bidder/firm with seal and signature)

Ref. No. _____

Date: _____

To
The Registrar, Khallikote University
Berhampur-760001

Sub: Financial Bid for _____ (Name of the Equipment/ Item)

Reference: Your Quotation Call notice no. _____

Sir,

In response to above quotation, please find attached here with the best Financial quote of the _____ (Equipment/ Item) submitted here with for consideration.

Sl. No.	Name of the Equipment/ Item	Make: Model: Year of the Model:	Cost (Foreign currency and INR as applicable) Unit Price	Qty.	Total Price
	<u>Item</u>				
	Accessories				
	Taxes				
	Others				
	<u>Grand Total Price</u>				
	<u>Warranty</u>				
	<u>AMC</u>				
	<u>Others if any</u>				

(Follow the instructions carefully while filling the quote; Mention the cost of accessories and Tax component separately)

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____

(Name of the Bidder with Seal)

Chapter-VI: Contract forms (Formats for Technical Bid)

FORMAT-I (To be submitted with Technical Bid)

MANUFACTURER'S OFFER FORM

(To be submitted by manufacturer in a letter head in case the bidder is the manufacturer)

Ref. No. _____

Date: _____

To
The Registrar, Khallikote University
Berhampur-760001

Sub: Technical Bid for _____ (Name of the Item)
Reference: Your Quotation Call notice no. _____, dated _____.

Dear Sir/ Madam,

1. We _____ (Name of the Manufacturer/Company) declare that we are the original manufacturer of the above equipment _____ (name, Make and model). Having registered office at _____

(Full address with Telephone number, Fax number, Email and website) and having factory at _____ (Factory Address).

2. No company or firm or individual have been authorized to bid, negotiate and conclude the contract in regard to this business against this specific bid reference no. _____, dated _____ of Khallikote University, Berhampur.

3. We hereby declare that we are willing to provide guarantee/warranty and after sales service during the period of warranty and AMC as per the above bid and also supply spares, accessories, reagents and consumables for period atleast for six years.

4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the required quantity of equipments/ items bid within the stipulated time.

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____
(Name of the Manufacturer with Seal)

Note: This letter of authority should be on the letterhead of the manufacturing concern and signed by a person competent and having power of attorney to bind the manufacturer

FORMAT-II (To be submitted with Technical Bid)**MANUFACTURER'S AUTHORIZATION FORM**

(To be submitted by manufacturer in a letter head in case the bidder is the authorized agent or Dealer or equivalent)

Ref. No. _____

Date: _____

To
The Registrar, Khallikote University
Berhampur-760001

Sub: Technical Bid for _____ (Name of the Item)
Reference: Your Quotation Call notice no. _____, dated _____.

Dear Sir/ Madam,

1. We _____ (Name of the Manufacturer/Company) declare that we are the original manufacturer of the above equipment _____ (name, Make and model). Having registered office at _____

 (Full address with Telephone number, Fax number, Email and website) and having factory at _____ (Factory Address).

2. We do hereby authorize M/s _____ (Name and Address of the Authorized agent/ Dealer/Bidder) to submit the bid and subsequently negotiate and sign the contract with Khallikote University against the above bid.

3. No company or firm or individual other than M/s _____ have been authorized to bid, negotiate and conclude the contract in regard to this business against this specific bid reference no. _____, dated _____ of Khallikote University, Berhampur.

4. We also hereby undertake to provide guarantee/warranty and after sales service during the period of warranty and AMC as per the above bid and also supply spares, accessories, reagents and consumables for period atleast for six years.

4. We also hereby declare that we have the capacity to manufacture and supply, install and commission the required quantity of equipments/ items bidded within the stipulated time.

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____
(Name of the Manufacturer with Seal)

Note: This letter of authority should be on the letterhead of the manufacturing concern and signed by a person competent and having power of attorney to bind the manufacturer

FORMAT-III (To be submitted with Technical Bid)**ANNUAL TURNOVER STATEMENT OF BIDDER**

(To be submitted by the Bidder in their letterhead)

Ref. No. _____

Date: _____

To
The Registrar, Khallikote University
Berhampur-760001

Sub: Annual Turnover for last three financial years**Reference: Your Quotation Call notice no. _____, dated _____.**

Dear Sir/ Madam,

We would like to affirm you that the Annual Turnover for the last three financial years of M/S _____ who is manufacturer/ dealer/ distributor/importer/supplier of the laboratory equipments/ office equipment/ items are given below and certified the annual turnover statement is true and correct. We are also enclosing the supporting document with respect to our claims.

Sl. No.	Financial Year	Annual Turnover in INR (Both in Words and Figures)	Supporting Documents
1	2015-16		
2	2016-17		
3	2017-18		
TOTAL			
Average per Year			

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____

(Name of the Bidder with Seal)

Note: The consolidated audited account statement preferably by a Chartered Accountant/ Auditor should be submitted as supporting documents.

FORMAT-IV (To be submitted with Technical Bid)**TECHNICAL BID WITH MAKE, MODEL & DETAILED SPECIFICATIONS
(Should be submitted in the letter head/pad of the bidder/firm with seal and signature)**

Ref. No. _____

Date: _____

To
The Registrar, Khallikote University
Berhampur-760001

Sub: Technical Bid for _____ (Name of the equipment)

Reference: Your Quotation Call notice no. _____

Sir,

In response to above quotation, please find attached here with the technical specifications of the _____ (item) submitted here with for consideration.

Technical specifications:

Sl. No.	Name of the Equipment/ Item	Make: Model: Year of the Model:	Detailed Specifications	Warranty

(The information should be supported by the Leaflet or Booklet containing the Make, Model and Specifications)

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____
 (Name of the Bidder with Seal)

FORMAT-V (To be submitted with Technical Bid)**TECHNICAL COMPLIANCE FORM (To be submitted by the bidder/ Firm)****For each equipment this form should be submitted separately in the bidders letter head**

Ref. No. _____

Date: _____

To
The Registrar, Khallikote University
Berhampur-760001

Sub: Technical Compliance for _____ (Name of the Equipment)

Reference: Your Quotation Call notice no. _____

Sir,

In response to above quotation, please find attached here with the technical compliance of the _____ (item) submitted here with for consideration.

Name of the equipment:		
Make & Model:		
Year of manufacture:		
Features/ specifications as per the tender (Para wise)	Bidders Compliance	Technical Brochure where the compliance is mentioned
Percentage of compliance:		

(The information should be supported by the Leaflet or Booklet containing the Make, Model and Specifications)

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____

(Name of the Bidder with Seal)

FORMAT-VII (To be submitted with Technical Bid)**CHECK LIST**

Should be submitted in the bidders with Signature and Seal; The documents has to be arranged as per the order mentioned in the checklist for ease scrutiny.

Name of The Bidder: _____

Reference: Your Quotation Call notice no. _____

Sl.	Name of the Document(s)	Whether Submitted or not	Page no.	Office Use by KUB
1	Check List (Format-VII)			
2	Cost of the Tender fee Rs. 1050.00			
3	Cost of EMD for an amount (as per Chapter-II/IV) of _____; DD No. _____, date: _____; Bank details: _____			
4	Technical Bid as per the Format-IV			
5	Technical Brochure (Printed)			
6	Technical Compliance as per Format-V			
7	Details of the EMD amount as per Format-VI			
8	Manufacturers Form (Format-I: Manufacture is the bidder)			
9	Letter of Authorization (Other than manufacturer) as per Format-II			
10	Financial bid As per the Format-VIII mentioned in Chapter-IV (Price Schedule)			
11	Annual Turnover Statement For Three FYs (2015-16, 2016-17, 2017-18) as Per the Format-III			
12	Self attested Up-to-date ITCC for FY 2016-17 and 2017-18			
13	Self attested Up-to-date GST return filed for for FY 2017-18			
14	Self attested Copy of GST registration Certificate			
15	Self Attested Copy of PAN			
16	Undertaking as per the Format-IX (If Selected for supply the same should be submitted in non judicial stamp paper of hundred rupees only)			
17	Detailed Information of the Bidder, Manufacturer and their Service Centres/Engineers (Format-XI)			
17	Model Bank Guarantee Format For Performance Security (Format-X)			
	Others (if any)			

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____

(Name of the Bidder with Seal)

FORMAT-VIII FOR PRICE BID**Should be submitted separately for each item/Equipment****(Should be submitted in the letter head/pad of the bidder/firm with seal and signature)**

Ref. No. _____

Date: _____

To
 The Registrar, Khallikote University
 Berhampur-760001

Sub: Financial Bid for _____ (Name of the Equipment)

Reference: Your Quotation Call notice no. _____

Sir,

In response to above quotation, please find attached here with the best Financial quote of the _____ (Equipment) submitted here with for consideration.

Sl. No.	Name of the Equipment/ Item	Make: Model: Year of the Model:	Cost (Foreign currency and INR as applicable) Unit Price	Qty.	Total Price
	<u>Item</u>				
	Accessories				
	Taxes				
	Others				
	<u>Grand Total Price</u>				
	<u>Warranty</u>				
	<u>AMC</u>				
	<u>Others if any</u>				

(Follow the instructions carefully while filling the quote; Mention the cost of accessories and Tax component separately)

Yours Faithfully

Place:

Name: _____

Date:

For and on Behalf of M/s _____
 (Name of the Bidder with Seal)

FORMAT-IX (To be submitted with Technical Bid)**UNDERTAKING/ DECLARATION FORM**

(Should be submitted in the letter head of the manufacturer/bidder/firm with seal and signature during submission of Technical Bid: If selected for supply the same should be submitted as affidavit before a notary public in non judicial stamp paper of hundred rupees only)

Ref. No. _____

Date: _____

To
The Registrar, Khallikote University
Berhampur-760001

Sub: UNDERTAKING/ DECLARATION**Reference: Your Quotation Call notice no.** _____**Equipment (s)/Items(s) quoted:**

I/We _____ having my/ our office at _____ do declare that I/ we have carefully and meticulously read all the terms and conditions of this bid of Khallikote University, Berhampur for the supply of Equipments/ Items (As mentioned in Format-VI). The quoted unit price/ rate will remain valid for a period of Six months from the last date of submission of this bid. I will abide all the terms and conditions set forth in the bid document Reference No. _____, date. _____ of Khallikote University along with standard norms of Govt. of Odisha.

I/We do hereby declare I/we have not been de-recognized/ black listed by any State Govt./ Union Territory/ Govt. of India/ Govt. organization for supply of non-standard quality equipment(s)/ item(s) or non supply after obtaining the purchase order.

I/We agree that the Competent Authority of Khallikote University can forfeit the EMD and performance security deposit and black list me/us for a period of three years, if any information furnished by us proved to be false at the time of sacreening/verification/inspection and not complying with the term and conditions of the bid.

I/We _____ do hereby declare that I/ We will supply the equipment(s)/ Item(s), if recommended by the purchase committee, as per the terms and conditions of the bid document. The supplied equipment(s) will be/is installed and made fully operational, and no additional accessories or spares are required to make the equipment run.

I/We further declare that I/We have Service Centre in Odisha/ Eastern India (Head quarter: _____) with qualified service engineers to carry out the maintenance of the equipment(s) or item(s) offered within 48-96 hours.

Place:**Name:** _____**Date:****For and on Behalf of M/s** _____**Full Address:** _____**(Name of the Bidder with Seal)**

Format-X (To be submitted along with Invoice)

MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To
The Governor of Odisha.

WHEREAS..... (name and address of the supplier) (hereinafter called "the supplier") has undertaken, in pursuance of contract no..... dated to supply (description of goods and services) (herein after called "the contract").

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed thereunder or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

Our.....* (Name & Address of the* branch) is liable to pay the guaranteed amount depending on the filing of claim and any part thereof under this Bank Guarantee only and only if you serve upon us at our* branch a written claim or demand and received by us at our* branch on or before Dt.....otherwise bank shall be discharged of all liabilities under this guarantee thereafter.

.....
(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

** Preferably at the headquarters of the authority competent to sanction the expenditure for purchase of goods or at the concerned district headquarters or the State headquarters.*

Format-XI (To Be Submitted With Technical bid)

DETAILS OF THE BIDDER, MANUFACTURER & SERVICE CENTRE

GENERAL INFORMATION ABOUT THE BIDDER						
1	Name of the Bidder:					
	Registered Address of the firm:					
	State:		District:			
	Telephone no. (code):		FAX:			
	Email:		Website:			
CONTACT PERSON DETAILS						
2	Name:		Designation:			
	Telephone No.: Mobile No.:		Email:			
COMMUNICATION ADDRESS						
3	Address					
	State:		District:			
	Telephone no.		FAX:			
	Email:		Website:			
TYPE OF THE BIDDER/ FIRM (Please Tick in the Relevant Box)						
4	Private Ltd.	<input type="checkbox"/>	Public Ltd.	<input type="checkbox"/>	Proprietorship	<input type="checkbox"/>
	Partnership	<input type="checkbox"/>	Society	<input type="checkbox"/>		<input type="checkbox"/>
	Authorized Dealer	<input type="checkbox"/>	Distributor	<input type="checkbox"/>	Others (Specify)	<input type="checkbox"/>
	Registration No. and Date of Registration					
NATURE OF THE BUSINESS (Please Tick in the Relevant Box)						
5	Original equipment/item Manufacturer		<input type="checkbox"/>	Authorized Dealer/ Importer		<input type="checkbox"/>
	Subsidiary of Original Manufacturer		<input type="checkbox"/>	Others (if any)		<input type="checkbox"/>
KEY PERSONNELS DETAILS (Chairman, Director, CEO, MD, Managing Partner)						
6	Name		Designation		Email	
	Name		Designation		Email	
7	Whether any criminal case was registered against the company or any of the promoter and partners in the past					Yes/ No
8	a. Whether Registered under GST? : YES/ NO b. GST Registration Number: _____ <i>(Copy of the Registration Certificate should be submitted)</i>					

9	PAN Number: _____ <i>(Copy of the PAN card should be submitted)</i>
10.	<u>Details of existing Service Centre in Odisha or Eastern India:</u> Name of the Service Centre: _____ Address of the Service Centre: _____ _____ Name of the Contact Person(s): _____ Telephone and Mobile No.: _____ Email: _____ FAX: _____ (with code) Website: _____
11	Bank Details of the Bidder: <i>(The bidders have to furnish the bank details as mentioned below for the return of EMD and Payment toward the supply (If selected)</i> a. Name (as mentioned in the Bank Account): _____ b. Bank Account number: _____ c. IFSC Code of the bank: _____ d. Name of the Bank and Branch: _____ e. Address of the bank and Branch: _____ _____
12.	Other relevant informations if any:
Date: _____ Place: _____	Name: _____ For and on Behalf of M/s _____ Full Address: _____ (Name of the Bidder with Seal)