



No. ~~125~~ BT//DBT-BUILDER/TENDER/16

Bilaspur, Date ~~08.03~~ 2016

Expression of Interest/Limited Tender Inquiry
Under Two bid system

Guru Ghasidas Vishwavidyalaya, Bilaspur (A Central University) invites Expression of Interest from reputed Original Equipment Manufacturing Companies and modular laboratory furniture manufacturing companies and fabricator or their authorized Indian partners/suppliers/distributors to supply various laboratory equipments /instruments/ accessories and supply various modular laboratory furniture and fabrication of the laboratory in the Department of Biotechnology, under DBT-BUILDER project. The interested bidder should submit bids in two parts (Part A-Technical and Part B-Financial) for supply, installation, fabrication & commissioning of the items listed in Schedule-I, II & III in EOI/LTI document. EOI cum tender bid fee of Rs 1000/- (Rs one thousand only -Non refundable) by Demand Draft drawn in favor of "**Registrar, Guru Ghasidas Vishwavidyalaya**" payable at Bilaspur (C.G.) to be submitted along with EOI/Tender bid.

1. Bids in two parts (Part A – Technical and Part B – Financial) for supply, installation, fabrication & commissioning of the items listed in **Schedule-I, II & III** in EOI/LTI notice can be submitted by Speed post/Registered post only by super scribed the envelope "BID FOR ITEM No. EOI No." to "**The Coordinator, DBT Builder, Department of Biotechnology, GGV, KONI, Bilaspur-495009 (C.G.)** India and should reach on or before **14.00 hrs on 30/03/2016**.
2. DUE & OPENING DATES: The tenders will be opened on **30/03/2016 at 15.00 p.m.** at the office of Program Coordinator in the in project purchase committee (PPC) meeting. Willing bidders or their representative can attend the meeting.
3. Before the opening of the technical bids, bidders have to give an technical presentation of 10min on 29.03.2016. (The presentation should be in ppt and only strictly about the quoted items and their services not about the company profile). In case opening date happens to be a holiday, the tender will be opened on next working day at the same time & location. The price bids of two bid tender system shall be opened after technical presentation and evaluation of technical bids. The date of opening of price bids shall be informed to the bidders found suitable in technical evaluation.
4. Date of opening of financial bids will be intimated later on through the university website www.ggu.ac.in/email.
5. **Two Bid System:** Vendor will place the "Technical Bid" and "Financial Bid" in the separate sealed covers. Thereafter, both the envelopes should be placed in a big envelope duly sealed and super scribed "BID FOR ITEM No EOI No."
6. The University is not responsible for non receipt of tenders within the specified date and time due to any reason including postal delay or holidays.
7. For any query pertaining to this bid document, correspondence be addressed to :, **Prof B.N. Tiwary** Coordinator, DBT Builder, Department of Biotechnology, GGV, KONI, Bilaspur-495009 (C.G.) India.
8. **Envelope I (Technical Bid):** The vendor must submit the following documents in Envelope-I
(Technical Bid):

- a) Bidder Profile Annexure-I
 b) SPECIFICATIONS: Specifications are basic essence of the product. It must be ensured that the offers must be strictly as per our specifications.

c) **At the same time it must be kept in mind that merely copying our specifications in the quotation shall not make the parties eligible for consideration of the quotation. The specification of the quoted model in the quotation has to be supported with the printed technical leaflet/literature of the quoted model of the item by the quoting party/manufacturer.** Therefore the model quoted invariably be highlighted in the leaflet/literature enclosed with the quotation.

c) Non-compliance of the above shall be treated as incomplete/ambiguous and the offer can be ignored without giving an opportunity for clarification/negotiation etc. to the quoting party.

d) Technical compliance statement with deviation, if any

S. N.	Name of specifications/ part / Accessories of tender enquiry	Specifications of quoted Model/Item	Compliance Whether "YES" Or "NO"	Deviation, if any, to be indicated in unambiguous terms	Whether the compliance / deviation is clearly mentioned in technical leaflet/ literature
1	2	3	4	5	6

- e) Authorized partner/dealer/distributor certificate from the original manufacturer.
 f) EOI cum tender bid fee of Rs.1,000/- by Demand Draft drawn in favor of "Registrar, **Guru Ghasidas Vishwavidyalaya**" payable at Bilaspur (C.G.)
 g) Attested copy of PAN card, Service Tax, CST/VAT registration papers
 h) Banker's Solvency Certificate.
 i) Audited statement of accounts and IT returns for the last three years
 j) Authorized Distributors/Vendors must submit appropriate authorization certificate and letter from their OEMs, for participation in the said tender.
 k) Name and address of past satisfactory supplies with minimum two POs to whom such items/stores have been supplied should be mentioned in the technical bid.
 l) **Copy of mandatory test reports, national testing/reliability and endurance test reports etc., certified or conducted at the manufacturing site, granted by the bureaus/quality control departments/national testing laboratories.**
 m) A write up on service and maintenance capability, mitigation of risks or breakdown and replacement capability, with the escalation support matrix suggested for the University. Vendors must indicate their sales and support service centre in India and their plan to address issues about services, maintaining minimum service inventory etc.
 n) The OEMs/Vendors need to submit a certificate during opening of technical bids that they are not currently debarred or blacklisted in GGV for any supplies, products or services, or at present in any national organization or educational institute/university.
 o) **Offer should be a page numbered and signed by an authorized signatory giving his/her name and designation below the signatures with Signed copy of the tender document, company seal, agreeing to the terms & conditions and declaration.**
8. **Envelope II (Financial Bid):**
 a) The vendor must submit the Price Bid information mentioning all taxes/duties FOR University campus, Bilaspur as per Annexure-II. The price should be quoted in words and in figures, without any errors, erasures or alterations. Unit price of each product and accessories should be quoted separately. Maximum

educational discount for University as could be offered should also be mentioned. The bidders should mention in the quotation, the rate/amount of five year comprehensive annual maintenance charges, if we opt for maintenance contract after expiry of the warranty period.

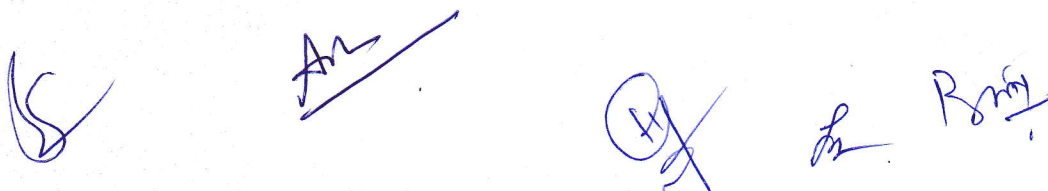
- b) Please quote best minimum prices applicable for a premiere research institution, leaving no scope for any further negotiations on prices.
 - c) **The quoting party should give a certificate to the effect that the quoted prices are the minimum and they have not quoted the same item on lesser rates than those being offered to UNIVERSITY to any other customer nor they will do so till the validity of offer or execution of the purchase order, whichever is later.**
 - d) Copies of **at least last two-supply orders** received from other customers or details of last two supplies made to other customers preferably in India for the same item/model **may be submitted with the offer** giving reasons of price difference of their supply order & those quoted to us, if any.
 - e) The party must give details of identical or similar equipment, if any, supplied to any UNIVERSITY lab during last three years along with the final price paid and Performance certificate from them.
 - f) **Purchaser's Right to Accept Any Bid And To Reject Any Or All Bids:** The Purchaser reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Purchaser's action.
 - g) **Notification of Award:** Prior to the expiration of the period of bid validity, the Purchaser will notify the successful bidder in writing by registered letter or by cable or telex or fax or e-mail that the bid has been accepted by way of a Purchase Order.
 - h) **Modification and Withdrawal of Bids** - The Bidder may modify or withdraw its bid after the bid's submission; provided that written notice of the modification or withdrawal is received by the Purchaser prior to the deadline prescribed for submission of bids. No bid may be modified subsequent to the deadline for submission of bids. A withdrawal notice may also be sent by telex or cable or fax or e-mail but followed by a signed confirmation copy, post marked not later than the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the bids.
9. **Offer validity period:** Bid shall remain valid at least for a period of **120 days** after the date of financial bid opening prescribed by the Purchaser. A bid valid for a shorter period may be rejected by the Purchaser as non-responsive. In exceptional circumstances, the Purchaser may solicit the Bidder's consent to an extension of the period of validity. The request and the responses there to shall be made in writing (or by cable, telex, fax or e-mail).
10. **Performance Guarantee:** Performance Security for an amount of 5% of the order value may be furnished in the form of an Account payee Demand Draft, Fixed Deposit Receipt from a Commercial bank or Bank Guarantee from a Commercial bank in an acceptable form by the successful bidder. Performance Guarantee is to be furnished within 21 days after notification of the award and it should remain valid for a period of 90 days beyond the date of completion of all contractual obligations of the vendor, including warranty obligations.
11. The Cost of the equipment should be inclusive of all taxes and statutory levies. Labour, installation charges, packing, insurance, freight, pre installation requirements etc. should be mentioned separately (inclusive of all taxes liveable on them). **Price to be quoted**

FOR Guru Ghasidas University Campus, Bilaspur. Unit price of each product and accessories should be quoted separately. Maximum educational discount for University as could be offered should also be mentioned. The university is exempted from payment of custom and excise duty on Scientific and Technical equipment/instruments by DSIR, Govt. of India. Necessary certificate will be issued on demand.

12. Annual turnover of the tenderer for each of the last three financial years should not be less than 200/- lakhs (Rupees Two hundred Lakhs). Financial statements with net profit, duly audited / certified by Chartered Accountant (CA) of the last three financial years along with the copies of Income Tax Return (ITR) must be enclosed with the technical bid
13. University reserves the right to carry out a technical inspection and performance evaluation (bench marking) of the offers made by shortlisted vendors. The shortlisted vendors may be asked to come and give out presentation / demonstration.
14. **INSPECTION:** The inspection of the system will be done by our technical expert /Scientist in the presence of firm's representative.
In case of receipt of the material in short supply or damaged condition the supplier will have to arrange the supplies/ replacement of goods free of cost pending the settlement of the insurance case wherever applicable on FOR at the lab. or CIF basis till satisfactory installation of the system.
The supplier should arrange for physical Inspection of the items directly or through their authorized representative within seven days of arrival of the consignment failing which they will be responsible for the losses. After the shipment is effected, the supplier/its representative/Indian agents must remain in touch with the lab/instit. to ascertain the date of arrival of consignment.
15. **No commitment to accept lowest or any bid:** University shall be under no obligation to accept the lowest or any other offer received in response to this tender notice and shall be entitled to reject any or all offers including those received late or incomplete offers without assigning any reason what so ever. University reserves the right to make any changes in the terms and conditions of the bid. University will not be obliged to meet and have discussion with any vendor, and or to listen to any representations.
16. **Short listing of Vendors:** University will create a shortlist of technically qualifying vendors and the financial bid of only these vendors will be opened. University reserves the right to decide whether the items being quoted are as per the requirement of the University and are of standard/leading brands in the market. University reserves the right to decide which offer best suits the requirement of the university. Further, after opening financial bids of the short listed tenders, if there is a discrepancy between word and figure, the amount indicated in words will prevail.
17. **Warranty:** The equipment/instrument must be guaranteed/warranted for a period of at least **two year, if not specifically mentioned otherwise in the specifications sheet, from the date of its satisfactory installation/commissioning** against all manufacturing defects. If the equipment is found defective during this period the whole equipment or part thereof will have to be replaced/repared by the supplier free of cost at the lab. Or at site of the supplier for which 'to and fro' expenses will be borne by the supplier. However, if the items are guaranteed for a period of more than one year, it may be specifically mentioned in the quotation. Availability of spare parts of the equipment/instrument must be guaranteed for a period of at least five years from the date of supply. The warranty period and validity of Performance Guarantee shall be extended for the period of delay in satisfactory installation and delay in warranty services.
18. **Delivery period:** For imported goods the complete delivery, installation & commissioning of both the equipments/instruments should be made within 12 weeks from the date of issue of order. For indigenous goods it is 8 weeks.
19. **Installation and Commissioning:** Free of cost at University. The OEM must ensure

timely installation of the complete unit with necessary support to the indenters, as per details and lists to be made available by the Stores Section or the indenting Departments/Centers/Schools .

20. **Conditional Offer** will not be accepted.
21. **Past Performance of the Vendors will be judged at the time of Technical Evaluation.**
22. The OEM should be an ISO-9000 and ISO-14001 certified company with due credits to energy conservation and green earth compliance (**copy of the certificate should be provided**) .
23. Firm has to quote their rates only on the format attached at Annexure-II. Rates quoted on other format or specifications not be accepted.
24. **Relevant documents of the OEM shall be enclosed, along with the Technical Bid. Any explanation on this account shall be supported with documentary evidence from the principals.**
25. **The University does not bind** itself to offer any explanation to those bidders whose technical bids have not been found acceptable by the Technical Evaluation Committee of the University.
26. **FORCE MAJEURE:** The Supplier shall not be liable for forfeiture of its performance bank guarantee, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative mean for performance not prevented by the Force Majeure event.
27. **Custom Clearing:** After arrival of the goods at Airport/Seaport, Indian agent or Indian subsidiary of the principal firm is solely responsible for getting the material clearance from customs. University will provide all custom documents for custom clearance on the demand of agent. Transportation from airport to Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G.) campus is also the responsibility of authorized agent. All charges/expenses incurred in this process will be reimbursed to firm after submitting the bill along with documentary proof in original. Please note that the freight forwarder or clearing agent should be approved from IATA. **NO DEMURRAGE / WHARFAGE CHARGES WILL BE PAYABLE BY THE UNIVERSITY UNDER ANY CIRCUMSTANCES. NO ADVANCE PAYMENT WILL BE PAYABLE FOR CUSTOM CLEARANCE/ FREIGHT / INSURANCE ETC.**
28. The successful bidder with quoted price as approved by university shall be considered for issue of purchase order only when the bidder fulfill all the terms and conditions laid down in tender document & **shall submit bid security @3% of total estimated amount in form of demand draft/BG in favor of "The Registrar, Guru Ghasidas Vishwavidyalaya, Bilaspur" payable at Bilaspur (C.G.).** The bid security will be returned back without any interest to bidder on successful execution of the purchase order/work order.
29. The vendor should adhere with all seriousness to the time schedule provided by the University. The **Liquidated Damage** will be applicable at the rate of **0.5%** per week. The purchaser has the right to cancel the purchase order when LD accumulates to 10 %. **The same rate of penalty shall be applicable for late installation of the equipment/instrument also.**



Handwritten signatures and initials at the bottom of the page, including a large signature on the left, a signature in the center, and several initials on the right.

30. The specification & quantity indicated in the **Schedule-I**. University reserves the right to increase or decrease the quantity or delete some or all of items depending on the needs of the University without assigning any reasons.
31. The bids will be opened on due date and time indicated. Tendered or his/her authorized representative (with proper authorization letter) for attending opening of technical bids. In case the due date for opening tender happens to be a holiday, the same will be opened on the next working day. The timings will however remain unchanged. Please Note that the University remains closed on Saturday & Sunday.
32. **PAYMENT CONDITION:**
FOR INDIGENEOUS SUPPLIES: Payment on Bill Basis after supply: For local supplies the payment will be made only after satisfactory installation, commissioning and performance of the equipment at GGV, Bilaspur and after certification by our technical expert/scientist. However, supplier will be required either to submit **performance bank guarantee for 5% amount of the total value of equipment, after installation of the material, valid up to 60 days after the expiry of warranty period or the equivalent amount shall be released after expiry of the satisfactory warranty period.**
- FOR IMPORTS:** The payment against imports shall be made through irrevocable LC. L/C will be opened for 100% FOB / CIF value. 90% of LC amount shall be released on presentation of complete and clear shipping documents and remaining 10% shall be released after installation/demonstration/commissioning, subject to submission of PBG of equivalent amount to cover the warranty period. The PBG should remain valid up to 60 days after the expiry of warranty period. In case of non-submission of PBG after installation/ demonstration/commissioning, remaining payment i.e. 10% will be released only after the completion of warranty period. **You are requested to mention the exact product/import code (i.e. HS code) in your quotations.**
33. University may accept or reject any or all the bids in part or in full without assigning any reason and does not bind himself to accept the lowest bid. The University at its discretion may change the quantity/upgrade the criteria/drop any item or part thereof at any time before & after placing the Purchase Order.
34. A bid submitted with false information will not only be rejected but also the OEM/vendor will be debarred from participation in future tendering process. Late or delayed/Unsolicited quotations/offers shall not be considered at all. These will be returned to the firms as it is. Post tender revisions/corrections shall also not be considered.
35. The bids (technical and price bids) once submitted shall be the property of the University and shall not be returned to the vendor in future.
36. **Resolution of disputes:** University and the vendor shall make every effort to resolve amicably, by direct informal negotiations, any disagreement or dispute arising between them under or in connection with the contract. If after thirty days from the commencement of such informal negotiations, University and the vendor have been unable to resolve amicably a resolution by formal arbitration the Vice-Chancellor of University shall appoint a sole Arbitrator of the dispute who will not be related to the vendor and whose decision shall be final and binding. In case of any dispute, the decision of the HVC of this University shall be final and binding on the bidders.
37. **Jurisdiction :** All disputes will be subject to Bilaspur jurisdiction only.
38. All correction/corrigendum will be given in our website only. Please visit university website regularly for any information/updates.


PI & Program Coordinator
DBT-BUILDER Project

FORMAT TO BE FILLED BY THE MANUFACTURERS / INDIAN AGENTS (ON BEHALF OF THEIR FOREIGN PRINCIPLES) OR THEIR AUTHORIZED COUNTRY DISTRIBUTORS/ REPRESENTING DEALERS/ REGIONAL AGENCIES, SUBMITTING TENDER

Bidder profile (Technical)

Sr. No	Details	
1.	Name of the Firm	
2.	EOI Fee Details	
	Name of Bank	
	Amount	
	Date	
3.	Registered Office address	
	Telephone Number	
	Fax Number	
	e-mail	
4.	Correspondence/ contact address	
5.	Details of Contact person (Name, designation, address etc.)	
	Telephone Number	
	Fax Number	
	e-mail	
6.	Is the firm a registered company? If yes, Submit Documentary proof. Year and Place of the establishment of the Company	
7.	Bidder's Bank Details Name of Bank	
	A/c No.	
	IFSC Code	
8.	Government/ Public Sector Undertaking propriety firm partnership firm (if yes, give partnership deed) Limited company or limited corporation member of a group of companies (if yes, give name and address, and description of other companies) Subsidiary of a large corporation (if yes give the name and address of the parent organization) If the company is subsidiary, state what involvement if any, will the parent company have in the project.	
9.	Is the firm registered with sales tax Department? If yes, submit valid sales tax registration certificate.	

10.	Is the firm registered for service tax with Service Tax department? If yes, Submit valid service tax registration certificate.	
11.	What type best describes your firm?	
	· Manufacturer	
	· Supplier	
	· System Integrator	
	· Consultant	
	· Service Provider (pl. specify details) others	
12.	Details of Empanelment Certificate /Purchase Order of any 3 PSUs / Govt. institutions, enclosed	
	1)	
	2)	
	3)	
13.	Have you ever been denied tendering facilities by any Government/ Department/ Public sector Undertaking? (Give details)	

S. NO	Name of the Bidder	Turn Over (Rs. Crores) Total of three Financial Years			Average Turn Over for three years
		2013-14	2014-15	2015-16	

Note: Please enclose certificate issued by CA in this regard.

Seal & Signature of Bidder

DECLARATION

1. I, ----- Son /Daughter of Shri -----
----- Proprietor/ Partner/ Director/ Authorised Signatory of M/s.
----- am competent to sign this
declaration and execute this EOI cum tender bid document.
2. I have carefully read and understood all the terms and conditions of the EOI cum tender bid and hereby convey my acceptance of the same.
3. The information/ documents furnished along with the above application are true and authentic to the best of my knowledge and belief.
4. I/ we/ am are well aware of the fact that furnishing of any false information/ fabricated document would lead to rejection of my bid at any stage besides liabilities towards prosecution under appropriate law.
5. Our firm is neither blacklisted by any Government Department nor any Criminal Case is registered against the firm or its owner or partners or directors anywhere in India.
6. Each page of the tender document and papers submitted by my Company is authenticated, sealed and signed, and I take full responsibility for the entire documents submitted.

Signature of the Authorised
Person

Date : -----

Place : -----

Full Name : -----

Company Seal : -----

Mobile No :- -----

Note: 1. The above declaration, duly signed and sealed by the authorized signatory of the firm/company, should be enclosed with the EOI cum tender bid document.

2. Certificate as per above must be submitted only on non-judicial stamp paper of suitable amount.

Financial Bid**Annexure-II**

Please quote rates for apparatus separately or in a list for the items in Schedule -I

For Indigenous Items

Item No.	Name of Instruments & Specification	Make & Model of the Instruments	Unit Price	CST/VAT/Tax if any,	Custom/excise duty (if any)	Total Price (F.O.R GGV,Bilaspur)

For Foreign Items, if quoted

Item No.	Name of Instruments & Specification	Make & Model of the Instruments	Name of Manufacturer	Unit Price	CST/VAT /Tax (if any)	Custom/ excise duty (if any)	Total Price (F.O.R GGV, Bilaspur)

For supply and Fabrication of Laboratory and Modular Laboratory table

Item. No	D.S.R item No.	Item Description	Quantity	Unit	Unit price	Total Price
Total						
Labour Charge (if any)						
Transportation Charge (if any)						
VAT/CST (if any)						
Grand Total						

LABORATORY EQUIPMENTS

Item No.	Instruments	Specification	Qty.
1.	Microscope with LCD	<p>Microscope specification:</p> <ul style="list-style-type: none"> Professional microscope capable of transmitted light, and phase-contrast imaging of fixed- or live-cell assays, tissues and small organisms. High resolution (quote the best) Fully adjustable mechanical stage for easy slide movement and accurate stage positioning for capturing high-resolution tiled or stitched images 180-degree rotating head for easy sharing of images Rotating objective lens ranging from 10x to 100x for oil, capturing a variety of cellular and intra-cellular events TV/PC/projector output for display on large monitors for classroom or lab environment Free software for image analysis Output port for image transfer to the computer With comprehensive 5 year Annual maintenance contract (AMC) 	10 (may vary)
2.	Mini spin	<ul style="list-style-type: none"> Compact centrifuge for speed up to 14,000 rpm with IVD certification Ability to set RPM and RCF Metal rotor housing Separate short spin button for fast, convenient quick spins Timer 15sec to 1hr. with continuous function Minimum noise level Rotor for 12 X 1.5 ml 2 ml tubes & optional 8 tube strips Adaptors for 0.2 and 0.5 ml tubes Acceleration to reach max speed in ≤ 13 sec and breaking time from max. speed ≤ 12sec Automatic lid opening after the run Brushless motor & Autoclavable rotor Stainless Steel Rotor Lid 	01
3.	Laboratory Centrifuge with Rotor	<ul style="list-style-type: none"> Speed range 500-15000 rpm Number of changeable rotors = 3, Capacity for 1.5/2ml ml, 15ml and 50ml centrifuge tube Temperature control range -4°C to 40°C Power supply 220 V, 50/60 Hz Acceleration time to max speed ≤ 13 s 	01

		<ul style="list-style-type: none"> • Braking time from max speed ≤ 12 s • Timer upto 1hr., with cont. mode • Minimum Noise level • Dimensions : Compatible to manage inside the laboratory • Weight: Easy for transportation • Unbalance alarm • Auto start after power break up • Alarm after completion of centrifugation • Automatic lid opening after the run • With comprehensive 5 year Annual maintenance contract (AMC) 	
4.	UPS (Microtech)	<ul style="list-style-type: none"> • Capacity: 20 KVA to 30 KVA • Minimum 1 to 2 Hours backup • Battery: Exide /Okaya/Sukan/Microtek. • True online Double Conversion technology • High and Micro Controller/DSP based. • Automatic battery charging in UPS mode. • Short circuit and Overload Protection • Wide input voltage range • Alarm: Battery low/DC High/Output High/Overload • With comprehensive 5 year Annual maintenance contract (AMC) 	01

R. K. Sharma
PI & Program Coordinator
DBT-BUILDER Project

AM

[Signature]

MODULAR LABORATORY FURNITURES

ISLAND TABLE

DIMENSION

: 18L x 5W x 3H ft (15No.)

*The above Nos. may vary on the basis of availability of fund

MATERIAL CONSTRUCTION

: Completely made of 1 mm G.I sheets with epoxy polyester powder coating (60-80) microns. CRCA corrodes and hence not acceptable.

CABINETS

: Completely made of 1mm GI Sheet as per IS 277 standard. The shutter & drawer front should have sound deadening plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are open able to 95degree & self closing on return. Lockable roller bearing must used so that the drawer will not fail. The telescopic drawer slides which should be very sturdy & able to take load up to 30 Kg. All modules to have lock and dual key arrangement.

UNDER BENCH CABINET

: It consists of alternative modular with top drawer and bottom cupboard.

UNDER BENCH PARTITION

: Bottom cupboard will have Removable partition lined with fiber glass reinforced polyester thermo set resin of 1mm thickness for enhanced chemical resistance. All the drawers will have locking arrangements.

REAGENT RACK

: 5 No's of single tier Reagent Rack will be provided.

ELECTRICAL ARRANGEMENTS

: 10 No's of 15/5 amps 3 pin Electrical socket cum switch will be provided.

WORK TOP

: Made of (17 to 19mm) thick **JET Black Granite** top with chamfer moulding at the front & groove at the bottom to avoid spillage on the modules.

BACKING MATERTIAL

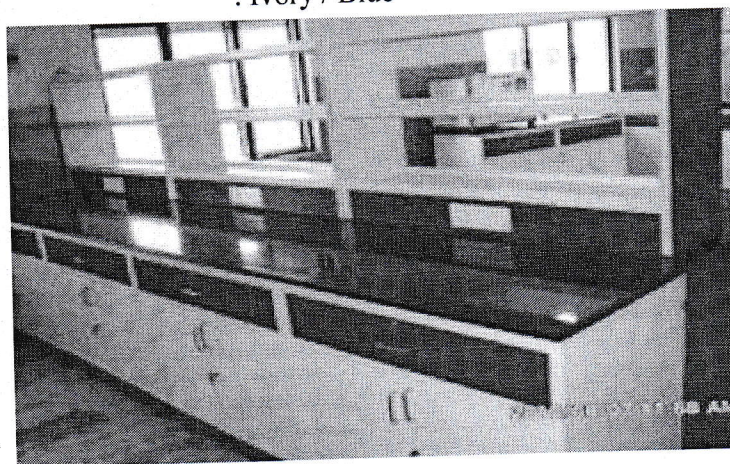
: The granite should be backed by 6 mm thick marine grade plywood to avoid direct load on under bench cabinets.

AMENITIES

: 2 No's of Porcelain Sink (18"x12") with 3 way water tap.
5 No's of CFL light with switch will be provided.

COLOUR

: Ivory / Blue



[Handwritten signatures and initials in blue ink]

WALL TABLE
DIMENSION

: L-shape (01No.): (12 x 8 L x 2.5 W x 3.0 H ft)
L-shape (01No.): (12 x 8 L x 2.5 W x 3.0 H ft)
Straight (01 No.): (26 L x 2.5 W x 3.0 H ft)

MATERIAL CONSTRUCTION : Completely made of 1 mm G.I sheets with epoxy polyester powder coating (60-80) microns. CRCA corrodes and hence not acceptable.

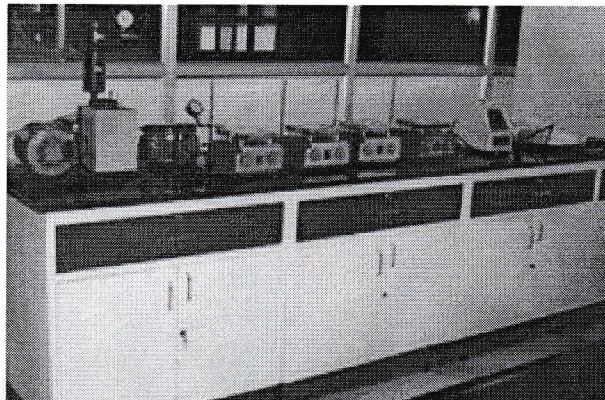
CABINETS : Completely made of 1mm GI Sheet as per IS 277 standard. The shutter & drawer front should have sound deadening plastic bumpers to be used to minimize banging noise while closing the shutter. The entire module is made up of GI panels and are bolted for high corrosion resistance. The shutters are mounted to the modules by hinges which are open able to 95degree & self closing on return. Lockable roller bearing must used so that the drawer will not fail. The telescopic drawer slides which should be very sturdy & able to take load up to 30 Kg. All modules to have lock and dual key arrangement.

UNDER BENCH MODULAR : It consists of alternative modular with top drawer and bottom cupboard. Bottom cupboard will have one no inner horizontal partition. All the drawers will have locking arrangements.

WORK TOP : Made of (17 to 19mm) thick **JET Black Granite** top with chamfer moulding at the front & groove at the bottom to avoid spillage on the modules.

BACKING MATERTIAL : The granite should be backed by 6 mm thick marine grade plywood to avoid direct load on under bench cabinets.

COLOUR : Ivory / Blue



SIDE WALL TABLE

Note: The number types of modular tables will be finalized after getting financial statement

Handwritten signature

Handwritten signature

Handwritten signature
PI & Program Coordinator
DBT-BUILDER Project

FABRICATION OF LABORATORIES

Microbiology Laboratory				
ITEM NO	D.S.R. ITEM NO.	ITEM DESCRIPTION	QTY	UNIT
	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanized in accordance with zinc coating of grade 350 as per IS:277 and consisting of angle cleats of size 25mm wide x 1.6mm and 37mm at 1200mm centre to centre one flange fixed to the ceiling with dash fastener 12.5mm dia x 40mm long with 6mm dia. bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. Channels 45x15x0.8mm running at		
	12.45.1	12.5mm thick tapered edge gypsum fire resistant board conforming to IS:2095- Part I,	55.57	sqm
1	21.1	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS:733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/ neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap		
2	21.1.1	For fixed portion		
3	21.1.1.1	Anodised aluminum (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC-15)	0	kg
	21.2	Providing and fixing 12mm thick Pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass/ stainless steel screws etc. complete as per architecture drawings and directions of engineer-incharge		
4	21.2.1	Pre-laminated particle board with decorative lamination on other side.		
	21.3	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with PVC/neoprene gasket etc. complete as per the architectural drawings and the direction of engineer in-charge (Cost of aluminum snap beading shall be paid basic item)	0.00	
5	21.3.2	With float glass panes of 5.50 mm thickness	0.00	Sqm
	9.83	Providing and fixing IS : 3564 marked aluminum die cast body tubular type universal hydraulic door closer with	0.00	each

		necessary accessories and screw etc. complete		
	9.96	Providing and fixing aluminum sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS dyed to required colour or shade with nuts and screws etc. complete:		
	9.96.2	250 x 16 mm	0.00	each
	9.97	Providing and fixing aluminum tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with nuts and screws etc. complete:		
	9.97.1	250x10mm	0.00	Each
	9.100	Providing and fixing aluminum handles ISI marked anodized (anodic coating not less than grade AC 10 as per IS: 1868) transparent or dyed to required colour or shade with necessary screw etc. complete.		
	9.100.1	125 mm	0.00	each
	9.101	Providing and fixing aluminum hanging floor door stopper ISI marked anodized (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screw etc. complete.		
	9.101.2	Twin rubber stopper	0.00	Each
	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screw etc. complete (best make of approved quality)	0.00	Each
		ESTIMATED FOR ALUMINIUM PARTITION & FALSE CEILING WORK OF DARK ROOM LABORATORIES		

Dark Room Laboratories

		AS PER DSR 2014		
		NOT E SHEET NO.	391/ENGG	
ITEM NO	D.S.R. ITEM NO	INTEM DESCRIPTION	QTY	UNIT
	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special section power pressed from M.S. sheet and galvanized in according with zinc costing or grade 350 as per IS:277 and consisting of angle cleats of size 25 mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200 mm center to center one flange fixed to the ceiling with dash fastener 12.5 mm diax40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55 mm of requires length, and other end of angle hanger being fixed with nut and bolts to G.I. channel 45x15x0.8 mm running at		
	12.45.1	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS:2095-PartI,	18.12	Sqm
1	21.1	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate sections and other sections		

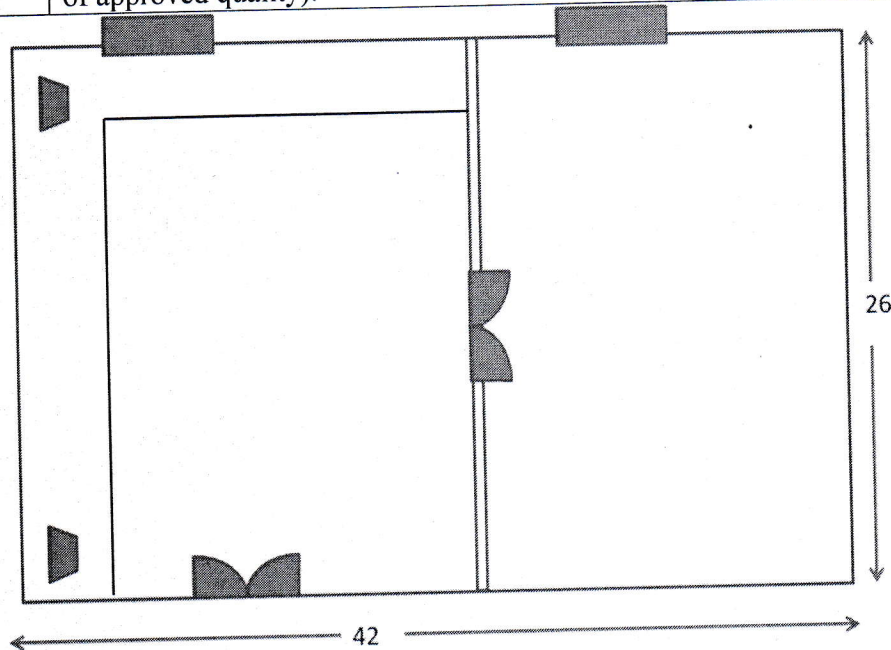
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(IX) dr Rong

		of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap		
2	21.1.1	For fixed portion		
3	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, minimum anodic coating of grade AC 1 5)	0	kq
	21.2	Providing and fixing 12mm thick Pre-laminated particle board flat pressed three Layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge		
4	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	0.00	sqm
	21.3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer in-charge (Cost of aluminium snap beading shall be paid in basic item)		
5	21.3.2	With float glass panes of. 5.50 mm thickness	0.00	sqm
	9.83	Providing and fixing IS: 3564 marked Aluminium die cast body tubular type universal hydraulic door closer with necessary Accessories and screws etc. complete	1.00	each
	9.96.2	250x16mm	0.00	Each
	9.97	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:		
	9.97.1	250x10mm	0.00	Each
	9.100	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete		
	9.100.1	125mm	0.00	Each
	9.101	Providing and fixing aluminium hanging floor door stopper I-SI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc		
	9.101.2	Twin rubber stopper	0.00	Each
	9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality) "	0.00	Each
Microbial Technology Laboratory				
		AS PER DSR 2014		

ITEM NO	D.S.R. ITEM NO	NOTE SHEET NO INTEM DESCRIPTION	391/ENGG QTY	UNIT
	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet land galvanized in accordance with zinc coating of grade 350 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200mrn centre to centre one flange fixed to the ceiling with dash fastener 12.5mrn diax40mm long with 6mn dia bolts to the angle I hangers of 25x25x0.55mrn of required length, and other end of angle hanger being fixed with nut and I bolts lo G.I. channels 45x15x0.8 mm running at		
	12.45.1	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS:2095-partI,	55.57	Sqm
1	21.1	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate sections and other sections of approved make conforming to IS: 733 and IS; 1285, fixed with rawl plugs and screws or with fixing clips, or with Expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitered and jointed mechanically wherever required including cleat angle aluminum snap		
2	21.1.1	For fixed portion		
3	21.1.1.1	Anodised aluminum (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	99.79	Kg
	21.2	Providing and fixing 12mm thick Pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / Stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge		
4	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	15.00	sqm
	21.3	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings' and the directions of engineer in- charge (Cost of aluminium snap beading shall be paid in basic item)		
5	21.3.2	With float glass panes of 5.50 mm thickness	9.00	sqm
	9.83	Providing and fixing IS: 3564 marked Aluminium die cast body tubular type universal hydraulic door closer with necessary accessories and screws etc complete	1.00	each
	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC		

		10 as per IS: 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :		
9.96.		Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete:		
9.96.2	250x16mm		0.00	each
9.97		Providing and fixing aluminum handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screw etc. complete		
9.97.1	250x10mm		0.00	each
9.100		Providing and fixing aluminum handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screw etc. complete		
9.100.1	125mm		0.00	each
9.101		Providing and fixing aluminum hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.		
9.101.2	Twin rubber stopper		0.00	each
9.76		Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc. complete (best make of approved quality).	1.00	each



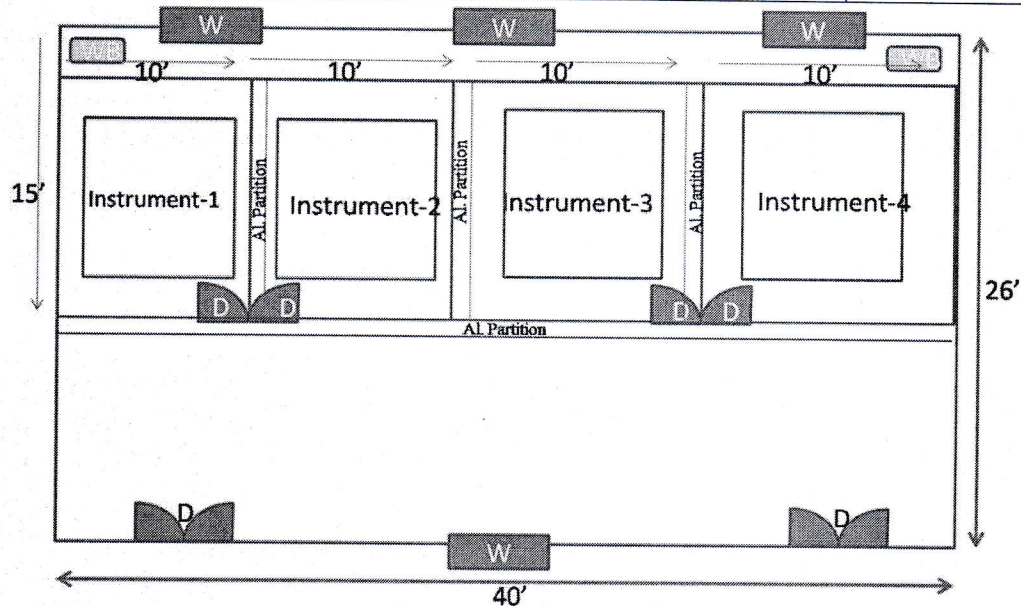
Microbial Technology Lab (F-05)

Central Instrumental Facility

ALUMINIUM PARTION & FALSE CEILING WORK
OF PTC LABORATORY (ROOM NO g-19) IN BID

		AS PER DSR 2014		
		NOTE SHEET NO	391/ENGG	
	12.45	Providing and fixing at all height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanised in accordance with .zinc coating of grade 350 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mn and 37mm at 1.200mrrr) centre to centre one flange fixed to the ceiling with dash fastener 12.5mm diax40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45X15X0.8mm running at		
	12.45.1	12.5 mm thick edge gypsum fire resistant board conforming 2095- Part I, tapered resistant to IS:2095- part I,	96.65	sqm
1	21.1	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap		
2	21.1.1	For fixed portion		
	21.1.1.1	Anodised aluminum (anodised transparent or dyed to required shad according to IS: 1868, Minimum anodic coating of grade AC 1 5)	369	Kg
3	21.2	Providing and fixing 12mm thick Pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in charge		
4	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	79.94	sqm
	21.3	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer - in-charge (Cost of aluminum snap beading shall be paid in basic item)		
5	21.3.2	With float glass panes of 5.50 mm thickness	14.86	sqm
	9.83	Providing and fixing IS: 3564 marked aluminum die cast body tubular l-type universal hydraulic door closer with necessary accessories and screws etc. complete:	4.00	each
	9.96	Providing and fixing aluminium tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as		

		per IS :1868) transparent or dyed to required colour or shade with necessary screw etc. complete		
9.96.2	250x16mm		2.00	each
9.97	Providing and fixing aluminium tower bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS :1868) transparent or dyed to required colour or shade with necessary screw etc. complete			
9.97.1	250x10mm		4.00	each
9.100	Providing and fixing IS: 3564 marked aluminum die cast body tubular l-type universal hydraulic door closer with necessary accessories and screws etc. complete:			
9.100.1	125mm		8.00	each
9.101	Providing and fixing IS: 3564 marked aluminum die cast body tubular l-type universal hydraulic door closer with necessary accessories and screws etc. complete:			
9.101.2	Twin rubber stopper		4.00	each
9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screws etc, complete (best make of approved quality)		4.00	each



CIF (G-09)

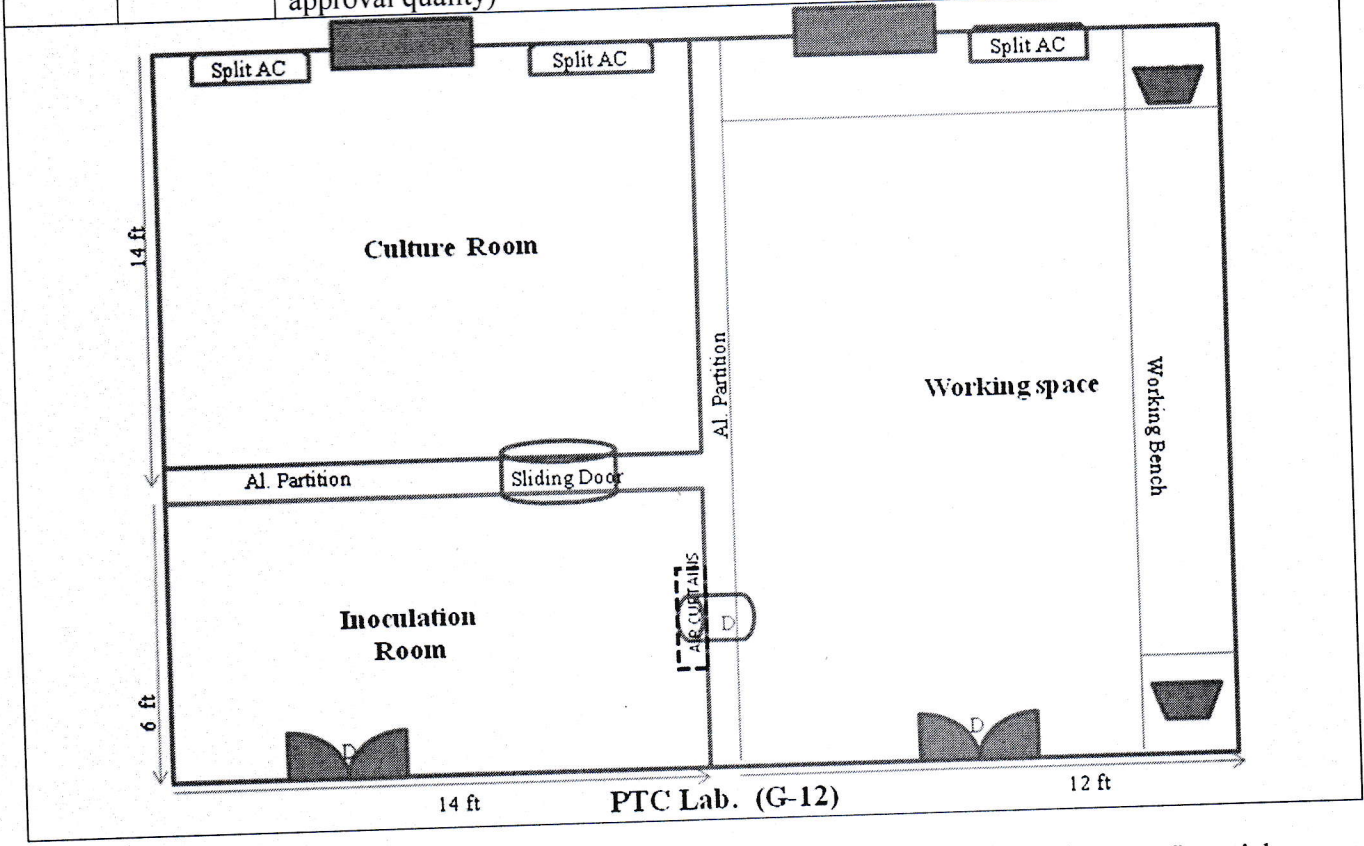
Plant Tissue Culture Laboratory

		FOR ALUMINUM PARTITION & FALSE CEILING PTC LABORATORY (ROOM NO G-19) IN BID		
		AS PER DSR 2014		
		NOTE SHEET NO	391/ENGG	
ITEM NO	D.S.R. ITEM NO	ITEM DESCRIPTION	QTY	UNIT
	12.45	Providing and fixing at all Height false ceiling including providing and fixing of frame work made of special sections power pressed from M.S. sheet and galvanized in accordance with. Zinc coating of grade 350 as per IS : 277 and consisting of angle cleats of size 25mm wide x 1.6mm thick with flanges of 22mm and 37mm at 1200		

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		rnm) centre to centre one flange fixed to the ceiling with dash fastener 12.5mm dia x 40mm long with 6mm dia bolts to the angle hangers of 25x25x0.55mm of required length, and other end of angle hanger being fixed with nut and bolts to G.I. channels 45x15.0.8mm running at		
	12.45.1	12.5 mm thick tapered edge gypsum fire resistant board conforming to IS:2095-part-1	48.32	Sqm
1	21.1	Providing and fixing aluminum work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminum sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminum snap		
2	21.1.1	For fixed portion		
3	21.1.1.1.	Anodised aluminum (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	219	kg
	21.2	Providing and fixing 12mm thick Pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in charge		
4	21.2.1	Pre-laminated particle board with decorative lamination on one side and balancing lamination on other side.	35.00	sqm
	21.3	Providing and fixing glazing in aluminum door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete as per the architectural drawings and the directions of engineer - in-charge (Cost of aluminum snap beading shall be paid in basic item)		
5	21.3.2	With float glass panes of 5.50 mm thickness	7.50	sqm
	9.83	Providing and fixing IS: 3564 marked aluminum die cast body tubular I-type universal hydraulic door closer with necessary accessories and screws etc. complete:	0.00	
	9.96	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1896) transparent or dyed to required colour or shade with nuts and screw etc. complete		
	9.96.2	250x16mm	8.00	each
	9.97.	Providing and fixing aluminium sliding door bolts ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1896) transparent or dyed to required colour or shade with nuts and screw etc. complete		
	9.97.1	250x10mm	0.00	Each
	9.100	Providing and fixing aluminium handles ISI marked anodized (anodic coating not less than grade		

		AC 10 as per IS : 1896) transparent or dyed to required colour or shade with nuts and screw etc. complete		
9.100.1	125mm		1.00	Each
9.101	Providing and fixing aluminium hanging floor door stopper ISI marked anodized (anodic coating not less than grade AC 10 as per IS : 1896) transparent or dyed to required colour or shade with nuts and screw etc. complete.			
9.101.2	Twin rubber stopper		0.00	each
9.76	Providing and fixing bright finished brass 100 mm mortice latch and lock with 6 levers and a pair of lever handles with necessary screw etc. complete (best make of approval quality)		1.00	each



Note: The work order for fabrication of laboratory will be finalized after getting the financial details from the manufacturer/supplier/distributor/fabricator on the basis of fund availability.

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Rainbowy
PI & Program Coordinator
DBT-BUILDER Project