

All Bidders**Amendment -IV**

Subject: Construction, Testing & Commissioning, Validation and the associated works of Bio Safety Level-3 (BSL-3) Laboratory on Turnkey Basis at VTCC-National Research Centre on Equines (NRCE), Hisar, Haryana.

IFB No. : HSCC/BU-III/NRCE/2012 dated 07.02.2013

Dear Sir,

This has reference to above IFB No. for the Subject works.

The following Amendment may be noted which shall be treated as part of the contract to be submitted duly signed & stamp along with tender.

	Bidder's Query	Amendment/Clarification
1.	Bio Process flow diagram is required for HVAC & Electrical design.	Bio Tech Process/flow diagram will be the part of presentation to be given by bidders.
2.	As per PQ clause no. 3.2 (iii) of Minimum Pre Qualification Criteria "Experience of having successful and timely completion of similar work of construction of at least three (1 nos.) Bio Safety Facilities (of BSL-2/BSL-3/BSL-4) wherein at least one Bio Safety Laboratory shall be for a government department, government institutions or international organization/body like WHO/UN/World Bank etc. during last 5 years ending last day of the month previous to the one in which applications are invited".	<p>Amended as per PQ clause no. 3.2 (iii) of Minimum Pre Qualification Criteria as Experience of having successfully completed similar work during last five years ending last day of month previous to one in which tenders are invited should be either of the following:</p> <p>One similar completed work costing not less than the amount equal to 80% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>Two similar completed work costing not less than the amount equal to 60% of the estimated cost.</p> <p style="text-align: center;">or</p> <p>Three similar completed work costing not less than the amount equal to 40% of the estimated cost.</p> <p>Similar works shall mean construction, testing, commissioning and validation of</p>

		<p>Bio – Safety Laboratory (BSL-3/BSL-4) including Civil, Electrical, HVAC, PHE & associated equipments and systems works.</p> <p>More over at least one work of any nature for 40% estimated cost shall be for a government department, government institutions or international organization/body like WHO/UN/World Bank etc. during last 5 years ending last day of the month previous to the one in which applications are invited”.</p>
3	List of Lab equipments proposed with electrical load.	List of lab equipments are provided as per Annexure-A attached.
4	BMS for the essential Utility services	As per tender terms & conditions.
5	The time allotted for the tender evaluation be extended suitably as the Turnkey cost evaluation with various engineering services is a time taking exercise.	As per amendment II , Last date of tender submission will be 20.03.2013 till 15:00 Hrs.
6	The BSL III Containment facility is a specialized design and no way comparable to BSL II facility. In view of the above we request you to qualify the BSL III experience as the minimum essential criteria for the bidders.	BSL III experience is the minimum essential criteria for the bidders. Refer Clarification given against point 2.
7	After sales service and successful execution of CAMC Contracts (Min. 5 Yrs in India) by the Turnkey Contractor for the BSL III Laboratories must also be included as the minimum prequalification criteria for the bidders. The responsibility of carrying out CAMC after warranty period is very critical for the successful implementation of the Project.	Defect Liability period is for 12 months after handing over as per tender terms & conditions. However operation cost (for 11 months as one month operation after handing over during DLP is free of cost) can be quoted separately in BOQ for defect liability period. Manpower detail along with their qualification to be deployed by agency has to be submitted along with bid for operation & maintenance during defect liability period & during CMC period.
8	For the evaluation of external works please provide site plan showing the battery limits and dimensions of boundary walls, gates and pavements etc.	5 meter all around the building complete landscaping will be in the scope of work along with front lawn.
9	The tender is for BSL 3 Lab which means that it will involve the “biotech process” whereas tender does not give any information on the process. Kindly clarify or furnish the process details.	As per Tender Terms & Condition.
10	Since this is BSL 3 Lab, kindly let us give the details of Biosafety consultant and scope of Biosafety consultant as these will be taken as input for our engineering works of BSL 3.	HSCC is the consultant for this project.

11	In pre-qualification criteria as per Volume –I of the tender, it does not say anything about Joint Venture Company.	Joint Venture is allowed only for the agencies who have completed/executing projects of BSL-III/BSL-IV laboratories in ICAR and whose completed award cost is not less than the estimated cost given in this tender. In such case, the agency shall submit the complete set of documents submitted to ICAR along with other bid documents as required for this tender.
12	Our Balance sheet in India is a merger & is part of balance sheet of foreign firm.	Refer clarification given in point no. 11.
13	During the execution of the project at site, whether HSCC or client will provide residential and site office facility for the project team as free of cost? Kindly clarify.	Reasonable land will be made available to the firm for making temporary site office.
14	It is advisable that all the local statutory approvals like pollution control, electricity, water etc. should be done by client as they are authority and either of the contractor will be signatory.	As per Tender Terms & Condition.
15	In clause no. 12.1 of volume –I, it is written that there will be free issue of cement & steel. Kindly give further details like the kind of steel, quantity etc.?	No Free issue of cement & steel will be made by client/HSCC.
16	Since the project will be running for a year, kindly let us know if price escalation is applicable or not?	Tender Terms & Conditions prevails.
17	Does the scope include the interior design of working office? If yes, kindly give details of interior required.	Reasonable Office furniture maximum limit up to Rs. 5.0 Lakhs is in the scope of work.
18	Does the scope include the office working furniture and wood work? If yes, kindly furnish the details.	Refer clarification against point no. 17.
19	Since the scope is inclusive of civil construction on site, kindly let us know the details of architecture required for the facility.	The tentative/indicative elevation drawings are enclosed. However the external finish should match with adjacent existing building.
20	The Comprehensive operation & maintenance for 4 years after the end of liability time period, does it includes the consumables, wear & tear components, full time labour etc.	As per tender terms & conditions.
21	After pre-bid meeting we need at least 3 weeks for the preparation of tender & requested to extend the due date to 15 th March 2013.	Extended the tender submission date till 20.03.2013 at 15:00 Hrs as per Amendment-II.
22	Page 4, clause 2.1, PQ document to be submitted to HSCC.	Complete tender to be submitted in HSCC before due date & time of submission.
23	Page 23, Annexure VII: Sub Contracting to specialized Agency. Whether the same is permissible?	As per tender terms & conditions.

24	Bid Security BG of Rs. 14,80,000/- in the form of BG valid for 180 days from closing date.	As per tender terms & conditions.
25	Page 25, clause 25.1, states sum of Part A and Part B shall be considered for evaluation where as part B (Operation & maintenance) is Optional. Pl. clarify.	Part – B is compulsory .Sum of Part-A and Part – B shall be considered for evaluation.
26	Page 26, Clause 29.1 PBG for O & M to be submitted immediately after award of contract. Does it mean O & M is compulsory? However , Price bid (Vol –V) states O & M is optional. Bank Guarantee is not submitted for O & M, as payment is received quarterly after O & M is done for that period. Please clarify.	O & M is compulsory. However Operation charges during defect liability period has to be quoted separately in BOQ. Separate contract will be executed for Operation during defect liability period and thus after CMC against submission of bank guarantee.
27	Mobilization Advance : Without advance, the contractor completes design, gets approval, initiates procurement, mobilizes site and start construction without any payment and added to that submits PBG. This puts the project in negative cash flow right from the beginning. For such works mobilization advance is requested against submission of BG in the tune of 20% of Part A.	As per tender terms & conditions.
28	Alternatively we request the following payment terms for all items other than MEP work. a) Secured advance against supply of material at site at 70% of item value as per billing breakup or as per CPWD norms. b) 90% of item value against installation. c) 95% against commissioning and d)100% against handing over against submission of PBG.	As per tender terms & conditions.
29	Page 73, clause 24, Terms of payment for electrical item (as mentioned in tender) may be applied for all MEP items.	As per tender terms & conditions.
30	Page 86, Clause 22 terms of payment for HVAC – 50% payment against supply is too less and request to consider same terms as mentioned for electrical works.	As per tender terms & conditions.
31	Page 37, clause 39.2 site development – Whether the building plan given with tender is approved by statutory authorities. Whether contractor need to get clearance for tree cutting, bore well	As per tender terms & conditions.
32	Page 38, clause 39.2.4 water and power supply – Whether contractor can get electricity from NRCE on chargeable basis or we need to arrange DG for entire tenure. Bore well is not permitted and whether	As per tender terms & conditions.

	contractor can get water connection from NRCE connection on chargeable basis.	
33	Page 39, site barricading – Whether barricading will be allowed to have a separate gate directly from outside road and whether our workers will be allowed to stay inside the site barricading?	As per tender terms & conditions.
34	Page 45, cl 41 statutory compliance Whether the contractor needs to provide all necessary technical documentation, drawings for getting approval by client. Or getting approval is contractor's responsibility.	Getting approval is contractor's responsibility.
35	Page 47, clause 46.1 operation and maintenance- whether O&M cost for first year after handing over shall be included in Part A of price bid or part B. Part B states “one year after handing over”. Whereas Part A does not mention about O&M. Please clarify.	During the defect liability period (one year after handing over of the facility) only the operation cost (for 11 months as one month operation is free as per tender document) will be included in Part-B whereas the preventive maintenance cost for complete one year defect liability period may be included in Part -A. CMC (comprehensive) cost as per tender document should be depicted in Part B along with operation cost (for 11 months) during defect liability period.
36	Page -53-additional specific conditions-whether subject lab will be constructed after demolition of any structure/building or it will be a green field project. Please provide soil data and water table for estimation of foundation/structural works.	It will be a green field project.
37	Page 7, clause 5.2 –superstructure will be of RCC. Please clarify whether brick wall is acceptable to client or we need to consider RCC walls.	Contractor has to propose these details along with other finishing drawings in presentation.
38	Page 16 clause 17- validation by third party. Please specify whether this will be individual or any agency and also mention their details. Design should be approved by the same party/agency before construction. Inclusion of any agency at a later date may create modification/revision in facility design/construction, which will cost time and money.	The Validation committee will be constituted by client and they will validate the facility on approved design of the facility.
39	Please confirm on the classification of the Labs on the Ground floor area as also the requirements.	Classification of the Labs on the Ground Floor are BSL-2 Labs.
40	Please clarify whether the existing DG set in NRCE can be used or fresh supply is required.	DG set of minimum capacity 300 K.V.A will be part of the project & shall be under the scope of work.
41	We request you to set Technical Prequalifying criteria as	Refer clarification given in point no. 2.

	<p>i) Civil works of minimum 200 lakhs or above for a single project. In your BSL-3 Lab project, civil works contribute at least 50% of the estimated project cost & hence the vendor should possess experience of executing civil works.</p> <p>ii) The vendor should have executed Clean Room facility of ISO 6 (Class 1000) on Turnkey Basis. (In Your BSL-3 project the area classification is ISO 7 (Class 1000)).</p> <p>iii) The vendor has to submit the basis of design data for designing of BSL-3 in order to prove their design capabilities.</p> <p>iv) The vendor should have executed at least 1 project where the clean room HVAC system is being monitored & controlled via BMS (Building Management System)</p>	
42	Animal Cage not in layout	Not Required.
43	The specifications of the exterior façade of the building eg. Civil Masonry/ACP & structural Glazed façade etc.	Refer clarification given for point no. 37.
44	Please specify if the air balancing of BSL-3 labs will be on Dynamic control or on manual control	On Dynamic Control.
45	Annexure-VI, Check list Average Annual Turn over for last three years.	Copies of the audited balance sheet certified by chartered accountant along with Membership no. for all three years (2009-10,2010-11,2011-12).
46	As per check list tender document fee in case of downloaded from website is Rs. 10,000/-	Tender document fee in case of downloading/purchase is Rs. 5000/-
47	As per Annexure –VII , Average Annual Financial Turnover during the last three financial years ie. 2009-10,2010-11,2011-12 should be atleast 100% of the estimated price of works.	It may be read as Average Annual Financial Turnover during the last three financial years ie. 2009-10,2010-11,2011-12 should be atleast 30% of the estimated price of works.
48	BOQ to be modified accordingly.	Amended BOQ (Part-B) is enclosed/attached.

Bidder should follow the tender terms & condition for the unanswered queries.

All other terms & conditions remain unchanged.

DGM (Civil)

PROPOSED LIST OF TENTATIVE EQUIPMENTS (LAB WISE)

Bacteriology Lab

Sl No.	Name of Equipment (Number required)
1.	Animal Isolators
2.	Positive air pressure respirators
3.	CO ₂ incubator
4.	Incubator
5.	Electronic balance
6.	Research Microscope
7.	Liquid handling system, complete sets
8.	Electronic pipettes (including multichannel) set

Virology Lab

Sl No.	Name of Equipment (Number required)
1.	Animal Isolator
2.	Positive air pressure respirator
3.	CO ₂ incubator, two stack
4.	Incubator
5.	Electronic balance
6.	Inverted microscope
7.	Liquid handling system, complete set
8.	Table top refrigerated centrifuge
9.	Electronic pipettes (including multichannel) set
10.	Filtration unit

Biotech Lab

Sl No.	Name of Equipment (Number required)
1.	Positive air pressure respirator
2.	Electronic balance
3.	High Speed refrigerated centrifuge table top
4.	Liquid handling system, complete set
5.	Shaker incubator
6.	Table top refrigerated centrifuge
7.	PCR Work station
8.	Thermal cycler
9.	Electrophoresis & WB system
10.	Electronic pipettes (including multichannel) set

Repository

Sl No.	Name of Equipment (Number required)
1.	Deep freezers (-40°C)
2.	Liquid Nitrogen storage container, carrier and shipper
3.	Ultra low freezer (-86°C) with CO ₂ backup

Barne
(S. Barne)
Vice

BSL-2 labs

Sl No.	Name of Equipment (Number required)
1.	Vaporized Hydrogen Peroxide system
2.	Particle counter for DOP test, with accessories
3.	Smoke generator, with accessories
4.	Water purification system
5.	Miscellaneous equipments, including slit air sampler, UV lamps, gel shaker, stirrer, pH meter, incubator, water bath, refrigerators, computer, etc

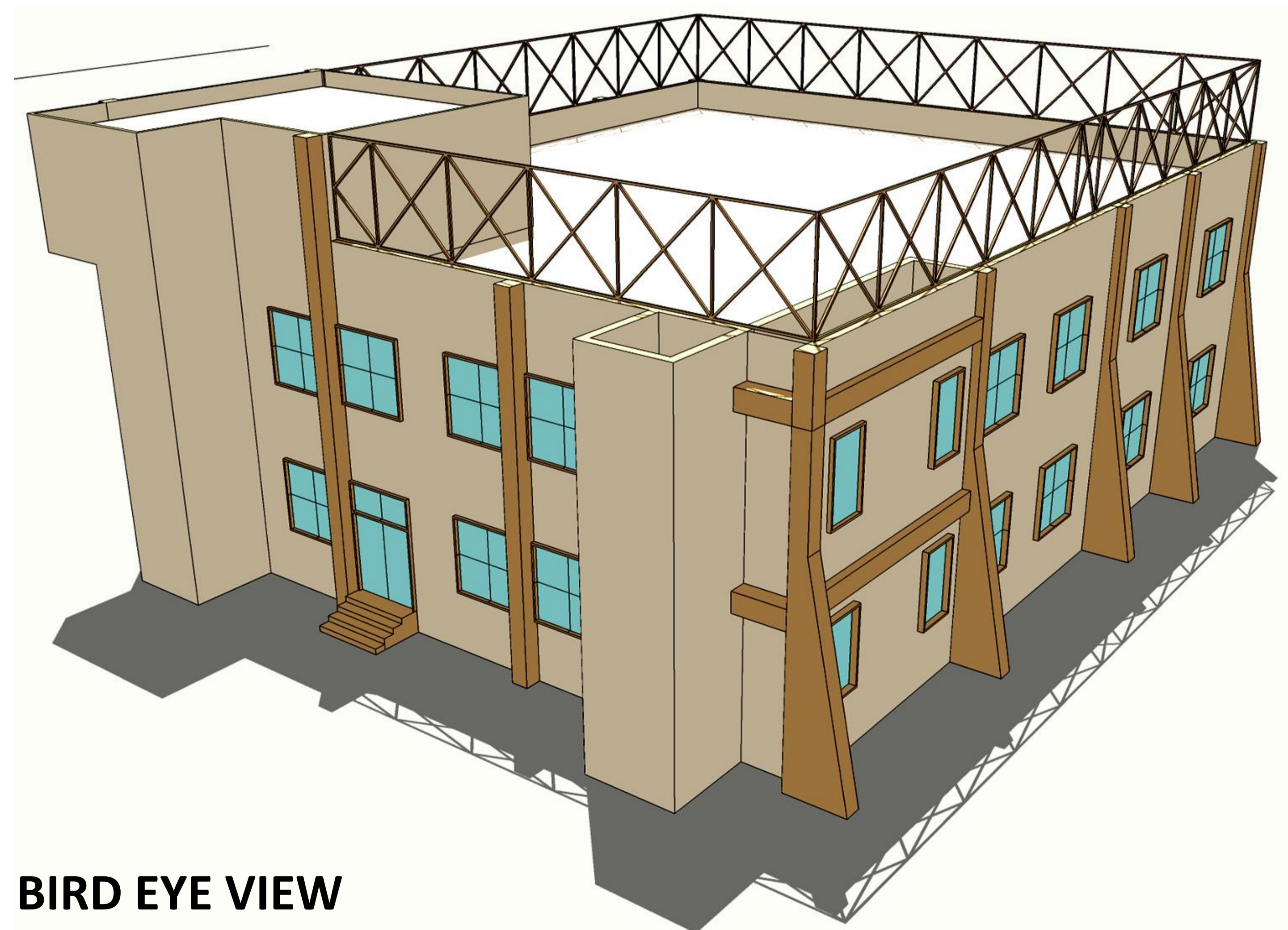
Barna
(S. Barna)
VICE

BILL OF QUANTITIES – (PART –B)

Item No	Description Of Item	Qty.	Unit	Rate in Figures (Rs.)	Rate in Words(Rs.)	Amount (Rs.)
2.00	<p>COMPREHENSIVE ANNUAL OPERATION & MAINTENANCE SERVICES</p> <p>Comprehensive Annual Operation & Maintenance Charges for four years, after 1 year from the date of handing over/taking over. The rates shall be inclusive of all spares, accessories, consumables (except fuel , power and water), manpower, tools and tackles, replacement of parts, routine servicing and maintenance of equipments etc. complete in all respect as specified in the tender documents.</p>					
a)	Operation Cost only for 11 months, starting one month after handing Over	1	LS			
b)	First Year	1	LS			
c)	Second Year	1	LS			
d)	Third Year	1	LS			
e)	Fourth Year	1	LS			
SUB TOTAL- B (Rs.)						
SUB TOTAL- B (Rs. In Words) :						



WORM EYE VIEW



BIRD EYE VIEW

SALIENT FEATURES

- IT'S A STATE OF THE ART FACILITY FOR TESTING VIRUSES.
- ESSENTIAL PRECAUTIONS ARE TAKEN CARE OF IN THE DESIGNING OF THE BUILDING.
- THUS SEGREGATION OF STAFF MOVEMENT AND VIRUS MOVEMENT DISPOSALS ARE ESSENTIAL AND INTEGRAL PART OF THE DESIGN.
- ALL THE SERVICES SYSTEMS ARE COMPACTED ONE ABOVE THE OTHER.
- SPECIALISED AUTOCLAVES & CLEANING SYSTEMS AND BIO SAFETY CABINETS ARE PROVIDED.
- NEGATIVE AIR PRESSURES ARE MAINTAINED SO THAT THE AIR FROM THE CONTAMINATED AREAS MOVES OUTWARDS.
- ITS A BEAUTIFUL CARVED BOX FOR ENSURING THE STUDY/RESEARCH ON VIRUSES IN A CONTROLLED AND SAFE ENVIRONMENT.
- THE BUILDING IS SURROUNDED BY GREEN.
- WINDOWS ON THE EXTERNAL SURFACE ARE DOUBLE GLASS.

