

All Bidders**Amendment -I**

Subject: Planning, Design, Construction, Supply, Installation, Testing , Commissioning and validation of proposed Animal House Facility and its associated works (HVAC, Electrical, BMS, Plumbing, Clean room Panel Partition, finishing, furnishing and Balance Civil Works of Animal House on 'Turnkey Basis' at National Institute of Animal Bio Technology (NIAB), Hyderabad.

IFB No. : HSCC/SES/NIAB/Animal House/Hyderabad/2017 dated 23.11.2017

This has reference to above IFB.

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

Sr. No.	Bidder's Queries	HSCC Reply/Clarification
1	<p>Volume-II: General Conditions of Contract</p> <p>Clause 60.7: No Mobilization Advance</p> <p>To ensure smooth cash flow and speedy execution of the works, It is requested that the advance Payment may be paid equivalent to 10% of the Contract Price. Please issue suitable amendment in this regard.</p>	Tender Terms & Conditions Prevail.
2	<p>Volume-III: Instruction to bidders</p> <p>Clause 22.0 Following Terms of Payment is given:</p> <p>a. 50% of BOQ contract rates on receipt of equipments / items at site b. 40% of BOQ contract rates on erection and installation</p> <p>c. 5% after successful completion of running test and taking over d. 5% after successful final performance testing or completion of defect liability period</p> <p>It is requested that the above payment terms may be amended as given under</p> <p>a. 80% of BOQ rate on receipt of equipment at site b. 10%</p>	Tender Terms & Conditions Prevail.

	of BOQ rate on erection and installation of equipment C. 10% after successful completion of testing, commissioning and taking over	
3	<p>Volume-IV: Technical Specification</p> <p>List of Approved Makes</p> <p>KLENZAIDS Is manufactured lab equipment like Autoclave, Air curtain, Air shower, Eye wash station, Pass box, Dunk tank, Ceiling Suspended Laminar Air Flow etc.</p> <p>We have installed all above equipment in HSCC project also. Therefore we request please add KLENZAIDS name on list of approved makes.</p>	<p>THE EQUIPMENTS/items manufactured by the bidders (BIDDER SHOULD BE OEM) are accepted provided such equipment's/items have been satisfactorily installed at least 5 similar facilities (animal house/bsl-3/vaccine lab/clean room) in India. The Employer/Consultant shall reserve the right to verify the performance of such equipment's/items from the users before final acceptance. Physical proof and verification for their own manufacturing for quality and as per tender specification will be done.</p>
4	<p>Approved makes:</p> <p>We request to include ICLEAN as the Approved make for the below items:</p> <ul style="list-style-type: none"> a. Pass box b. Air shower c. Ceiling suspended LAF d. Air Handling units e. Facto fabricated duct 	<p>AHU – No, Follow list of approved makes only.</p> <p>THE EQUIPMENTS/items manufactured by the bidders (BIDDER SHOULD BE OEM) are accepted provided such equipment's/items have been satisfactorily installed at least 5 similar facilities (animal house/bsl-3/vaccine lab/clean room) in India. The employer/consultant shall reserve the right to verify the performance of such equipment's/items from the users before final acceptance. Physical proof and verification for their own manufacturing for quality and as per tender specification will be done.</p>
5	General:	Will be provided for technical presentation.

	Request to provide with the tender drawings in AutoCAD format for working.	
6	<p>Terms of Payment :</p> <p>We request you to kindly accept the below payment terms for Indigenous bidders:</p> <p>20% advance payment against submission of I bank guarantee for equal amount</p> <p>60% against delivery of materials on Pro-rata basis</p> <p>10% against installation on pro-rata basis</p> <p>10% after successful completion & handover and submission of performance bank guarantee.</p>	Tender Terms & Conditions prevail.
7	<p>Dunk tank:</p> <p>Please provide specifications such as overall dimension, material of construction, quantity required, etc.,</p>	Dunk tank – 2 ft*2ft(only for transportation of tissues chemical and liquid samples.
8	<p>HVAC:</p> <p>Please provide the below:</p> <p>a. AHU zoning drawing</p> <p>b. HVAC Room book</p>	<p>Detailed HVAC layout is provided along with tender document, indicating CFM to each zone, so zoning drgs not required, HVAC room book is part of DBR</p> <p>But final shop drawings need to be submitted before execution.</p>
9	<p>Chillers:</p> <p>Also confirm Chiller location to be considered for Chilled water pipe routing from AHU located on the terrace</p>	Air cooled chillers will placed on ground/terrace as per site conditions .
10	<p>Compressed air:</p> <p>Please provide Air Compressor flow rate and specification & Utility distribution matrix</p>	Compressed air will be used for filter cleaning and to operate pneumatic valves of autoclaves and cage washer only.
11	<p>Vol:4 Section # 10: I Temperature I (Page # 9) :</p> <p>Please confirm the following inside condition:</p> <p>Temperature: Summer: 21 +/-1 Deg C</p> <p>Winter: 21 +/-1 Deg. C</p>	<p>Temperature 22-24 C and Humidity 50-70% except rainy seasons</p> <p>Refer to DBR for inside & outside conditions</p>

	<p>Relative Humidity:</p> <p>Summer: 50% +/-5%</p> <p>Winter: 35+/-5%</p>	
12	<p>Vol:4</p> <p>Section # 3.2:</p> <p>Inside conditions of cleanroom is mentioned here as follows:</p> <p>Temperature: 21 +/-1 Deg.C</p> <p>Relative Humidity: Less than 60%</p> <p>(For both Summer and winter)</p> <p>This contradicts to reference given in SI # 9,</p> <p>Please clarify.</p>	<p>Refer to DBR for inside & outside conditions</p>
13	<p>Point # 10;</p> <p>Power Supply to AHUs (Page # 23)</p> <p>“Electrical Power supply cable/ incoming isolator to AHU/ FCUs is in Electrical contractor’s scope.”</p> <p>Please confirm the same is not in bidder scope.</p>	<p>Wherever electrical work need to be completed is in the bidder scope site visit may clarify this issue</p> <p>Only power supply cable to HVAC main panel (near chillers) will be supplied by electrical contractor, rest is in the scope of HVAC contractor</p>
14	<p>6.0 Civil and plumbing items Page # 25;</p> <p>Please provide the table in readable format.</p>	<p>We recommend site visit for plumbing work mainly for autoclave ,cage washer, Eye wash Station, sink and Washbasin.</p>
15	<p>21. Uptime guarantee (Page # 48);</p> <p>“In case of shortfall beyond the defects liability period the contract shall get extended by a month for every month having the shortfall and no reimbursement shall be done for the extended period.”</p> <p>Please explain.</p>	<p>Tender Terms & Conditions Prevail.</p>
16	<p>Lab Furniture :</p>	<p>Equipment quantities are mentioned</p>

	Please provide the details and drawings of required lab furniture with quantity.	where as single lab of 13x17 ft shall have wall side lab furniture (standard size) with table top and no sitting arrangement required.
17	General: We are reviewing the document in detail. If any further queries are found, the same shall be brought to the notice of HSCC for clarification.	Queries must be raised with in 2-3 days after pre bid meeting.
18.	Request to provide permission for a site visit for ascertaining in-site conditions and scope of works.	Bidders may visit the site.
19	Minimum Qualification Criteria: Kindly clarify which minimum qualification criteria will be considered by HSCC for evaluation. As mentioned in: Vol-I (clause (i) of page 7): Three similar* completed works costing not less than the amount equal to 40% of the estimated cost. Or Two similar* completed works costing not less than the amount equal to 50% of the estimated cost. Or One similar* completed work costing not less than the amount equal to 80% of the estimated cost. ' Whereas as per Annexure VII: Three similar* completed works each costing not less than the amount equal to 25% of estimated price of works. Or Two similar* completed works each costing not less than the amount equal to 30% of estimated price of works. Or One similar* completed work costing not less than the amount equal to 40% of estimated price of works.	Tender Terms & Conditions Prevail. Minimum Qualification Criteria will be as Clause 3.0 of Vol-I. Whereas criteria mentioned at Annexure VII is for specialized agencies to be engaged for specialized work.
20	Please refer Heat Recovery option {Page No. 10 (item No. 16)} and also in approved make list (Page 50, Item No. 7) Heat Recovery Wheel is mentioned, which causes cross contamination. We suggest you to use HPHR (Heat Pipe Heat Recovery) for Heat Recovery option.	Heat pipe & heat recovery wheel both options were studied, Heat wheel shall be with purge air mechanism, so no cross contamination, we have Hepa filters in supply & UVGI to take care of contamination. Additional HEPA filters are provided in cabinents also

		<p>Use of HRW in animal house is a standard practice.</p> <p>Heat pipe option was dropped because of price & its inability to recover latent load.</p>
21	<p>Duct Material/ Work</p> <p>We wish to confirm that In Vol-4 (Page 22) GI sheet ducting is mentioned; whereas, in Page 12 (Vi)) SS 304 duct is mentioned. Please confirm which duct material shall be used for Duct work.</p>	<p>GI ducting is proposed for HVAC</p>
22	<p>Please refer Page 28 (Clause 13.1 of Vol-4) Power provided through UG cables from main substation located in lab building and shall be tapped from the existing LT panel installed in animal facility ground floor; whereas, in Page 26 (Clause 7.0) states that panels, cabling, switchgears and arrangements etc. shall be carried out by the contractor. Please confirm if LT Panel is in the scope of NIAB and further connections from LT Panel to the Lab area shall be done by the bidder.</p>	<p>Further connections from LT Panel to the Lab area shall be done by the bidder.</p>
23	<p>Please confirm the no. of IVCs/ BSC and Type of BSC to be installed in the each room; which needs to be considered for the calculation of CFM for each room.</p>	<p>4 IVC of 320 cages capacity, BSC shall be not in each room but only at Laboratory</p> <p>CFM into room depends upon min air changes as mentioned in DBR, cabinet CFM will be decided by IVC manufacturer</p>
24	<p>Please confirm the Quantity for the list of equipment mentioned in the tender document; i.e., Bio-Logical Safety cabinets, Dunk Tank/s, Cross Over Bench, Garment Cubicle, Animal Bedding Material Disposal Hood etc. So that price can be quoted accordingly.</p>	<p>Double Door Autoclave of 1290 liters of sizes</p> <p>a) 3 ft (W) x 3ft (H) x 5ft (D) – 1 no</p> <p>b) 3 ft (W) x 3ft (H) x 4ft (D)- 1 no</p> <p>2.Cage and bottle washer – 1 no.</p> <p>3. Static Pass box – 1 no.</p> <p>4. Dynamic Pass box- 2 no.</p> <p>5. Air-shower – 1 no .</p> <p>6. Air-Curtain – 1no.</p> <p>7. Emergency eyewash station- 1no.</p> <p>8. Ceiling suspended laminar flow 1 –no.</p> <p>9. dunk tank – 2 ft*2ft</p>

		All technical specifications are given in volume 4
25	Please confirm the Dimension and Quantity furniture's mentioned in the tender document; i.e., laboratory work stations, laboratory chairs, sinks, hand wash basins, eye wash station. So that price can be quoted accordingly.	Equipment quantities are mentioned in volume IV where as single lab of 13x17 ft and shall be wall side lab furniture (2'-6" WIDTH) with 18mm granite table top and no sitting arrangement required. Sink- 3 no's Hand wash basin -3nos (600x600mm) Eye wash station 1 no Bidder may visit the site.
26	Please confirm the required capacity of RO Plant and Water Treatment Plant for price estimation.	1000 liter each
27	We would like to confirm that since quantities of many equipments and furniture are not clearly mentioned, it is difficult to estimate cost of Rs. 13.93 crore would be enough for this tender.	Equipment quantities are mentioned in volume IV where as single lab of 13x17 ft shall have wall side lab furniture (2'-6" WIDTH) with 18mm granite table top and no sitting arrangement required.
28	Please refer Volume-1, Page 8 - clause ii: Annual Average Turnover for last 3years is mentioned as [2013-2014, 2014-2015, 2015-2016]. Kindly add currentfinancial Year 2016-2017, which is ended on 31-March-2017.	Annual Average Turnover for last 3years should be read as [2014-2015, 2015-2016, 2016-2017). The Company should have positive Net Worth and should not have incurred loss in more than Two years in last Five years ending 31st March 2017.
29	Please refer Volume-1, Page 8 - clause 3.3 stating that the firm should submit an affidavit duly notarized that they have not been abandoned, blacklisted,debarred, declared non performer or expelled by Union Government/ State Governments/ PSU's etc. during last two years from date of Invitation of bids. Please amend the same as – The firm should submit an affidavit duly notarized that they have not beenabandoned, blacklisted, debarred, declared non performer or expelled by UnionGovernment/ State Governments/ PSU's etc. as on date of submission of	Tender Terms & Conditions prevail.

	bids.	
30	<p>Please refer Volume-3, Page 74 – clause 24 - Payment terms mentioned in the SCC (clause 24 of SCC Page 74) as Only for items of major electrical Equipments.</p> <p>Please amend this payment term: for major Electrical/ HVAC work:</p> <p>a. 80% of BOQ rate on receipt of equipment against receipt of complete material at site & test certificates in accordance with clause 33(l) of SCC</p> <p>b. 10% of BOQ rate on erection and installation of equipment.</p> <p>c. 10% after successful completion of all works including all testing, commissioning & taking over.</p>	Tender Terms & Conditions prevail.
31	We request you to grant extension till 05.01.18 for submission of our bid.	Date of submission is extended till 26.12.2017.
32	Planning, Design, Construction, Supply, Installation, Testing , Commissioning and validation of proposed Animal House Facility and its associated works (HVAC, Electrical, BMS, Plumbing, Clean room Panel Partition, finishing, furnishing and Balance Civil Works of Animal House on 'Turnkey Basis' at National Institute of Animal Bio Technology (NIAB), Hyderabad.	Title of the Tender may be read as " Completion of proposed Animal House Facility associated works (HVAC, Electrical, BMS, Plumbing, clean room panel partition, finishing , furnishing) and remaining allied civil work of Animal House on 'Turnkey Basis' at National Institute of Animal Biotechnology (NIAB), Hyderabad".

The bid submission date is extended from 19.12.2017 to 26.12.2017 and bid security should be valid for 180 days from the date of original bid submission ie. from 19.12.2017.

All other terms & conditions remain unchanged.

Chief General Manager, HSCC (I) Ltd.

For and behalf of Director, NIAB, Hyderabad