

**VETRINARY TYPE CULTURE COLLECTION (VTCC),  
NATIONAL RESEARCH CENTRE FOR EQUINES  
(NRCE)  
HISAR, HARYANA**

**TENDER**

**FOR**

**CONSTRUCTION OF BIOSAFETY LEVEL-3 (BSL-3)  
LABORATORY AT NRCE, HISAR**

**VOLUME-V**

**BILL OF QUANTITIES**

**June 2013**



**HSCC (INDIA) LTD.**  
(CONSULTANTS & ENGINEERS FOR MEGA HOSPITALS & LABORATORIES)  
E-6(A), sector-1, NOIDA (U.P) 201301 (India)  
Phone : 0120-2542436-40 Fax : 0120-2542447  
**Tender No. HSCC/PGIII/NRCE/2013**

## BILL OF QUANTITIES

ITEM NO	DESCRIPTION OF ITEM	UNIT	QTY	RATE IN FIG. (in RS)	RATE IN WORDS (in RS)	AMOUNT (Rs.)
<p>1. The prices are to be quoted in the below mentioned form and shall include the cost of all the material, equipments, tools &amp; tackles, labor, accessories etc. required for the successful execution and completion of the work in all respect as required as per the scope of works, approved specifications, designs and drawings on 'Turnkey Basis'</p> <p>2. The bidder shall quote the rate/s in figures and in words and extend the amount to the 'AMOUNT' column</p> <p>3. The bidder shall submit breakup of Lump Sum price quoted as under in enclosed Annexure-1 to the BOQ</p>						
1.00	<p><b>LUMPSUM PRICE FOR 'TURNKEY WORK' OF CONSTRUCTION OF BSL-3 LABORATORY AT NRCE, HISAR</b></p>					
	<p>Construction, testing , commissioning and validation of Bio-safety level 3 (BSL-3) Laboratory &amp; associated works on "Turnkey Basis" in compliance with CDC, USA guidelines as minimum and its maintenance during the defect liability period. The works shall be executed as as per the scope of works, approved designs and detailing, specifications, drawings, samples, prototypes etc. Any work not specifically mentioned but essentially required for meeting the purpose and intent of setting up of the proposed BSL-3 Laboratory shall be deemed to be included in the scope of works. All fixed equipments like Autoclaves, Bio-Safety Cabinets, Pass Boxes, HVAC system components, Hot water generator, Air compressor, Computers, Laboratory work stations and all other equipments and systems required for making the laboratory operational and functional shall be provided and included in the scope of works except for the equipments used for scientific research purpose.</p>	Turnkey Lump Sum basis	1			

SUB TOTAL- A (Rs. ) =

SUB TOTAL- A (Rs. In Words) =-----

### BREAKUP OF LUMP SUM PRICES : ANNEXURE-1

Item No	Description Of Item	Qty.	Unit	Rate in Figures (Rs.)	Rate in Words(Rs.)	Amount (Rs.)
1.00	<p><b>BUILDING CONSTRUCTION &amp; ASSOCIATED WORKS</b></p> <p>Construction of building/s on 'turnkey basis' to meet the intent and purpose of setting up the BSL-3 laboratory and services etc. as per the scope of works, approved specifications, designs and drawings on turnkey lump sum basis including foundations, structures, partitions, doors, ceiling, windows/view panels, PHE works, cleaning ,painting, flooring, finishing, fire fighting works, water proofing works, boundary wall works, external development works like road, footpath etc. complete in all respect</p>					
2.00	<p><b>HVAC WORKS &amp; BMS</b></p>	Turnkey Lump Sum	1			

3.00	<p>Execution of HVAC works on 'turnkey basis' to meet the intent and purpose of setting up the BSL-3 Laboratory as per the scope of works, approved specifications, design and drawings on turnkey lumpsum basis including required Air-Conditioning system, Air Handling Units, exhaust systems, filters, pipings, insulation, temperature/RH/Pressure sensors and controls, Building Management System, fire dampers, volume control dampers, bio-safety dampers, electrical distribution panels, power and control cabling works, etc. complete in all respect as required</p> <p><b>ELECTRICAL WORKS</b></p> <p>Execution of electrical works on 'turnkey basis' to meet the intent and purpose of setting up of BSL-3 Laboratory as per the scope of works, approved specifications, designs and drawings on turnkey lumpsum basis including Power Distribution Panels for the BSL-3 Laboratory, Power Cables, building electrification works, electrical light fittings and fixtures, cabling, earthing, uninterruptured Power Supply System, LAN system, Fire Detection &amp; Alarm system, telephone and EPABX system etc. complete in all respect and including connection of power to the BSL-3 Laboratory from existing feeder (LT Panel).</p>	Turnkey Lump Sum	1			
4.00	<p><b>SPECIALIZED FIXED EQUIPMENTS</b></p>	Turnkey Lump Sum	1			

	<p>Execution of specialized equipments and systems works on 'turnkey basis' to meet the intent and purpose of setting up of BSL-3 Laboratory as per the approved specifications, designs and drawings on turnkey lumpsum basis including Pass Boxes, Dunk Tank/s, Steam Autoclave/s, Bio-Logical Safety cabinets etc. complete in respect as required</p>	Turnkey Lump Sum	1			
5.00	<p><b>SPECIALIZED SYSTEMS AND SERVICES</b></p> <p>Execution of specialized systems and services works on 'turnkey basis' to meet the intent and purpose of setting up of BSL-3 Laboratory as per the scope of works, approved specifications, designs and drawings on turnkey lumpsum basis including Hot water generator/ calorifier and hot water distribution system, Air Compressor and compressed air distribution system, Door Interlocks and Access Control System, complete in all respect as required</p>	Turnkey Lump Sum	1			
7.00	<p><b>FURNITURES &amp; WORK STATIONS</b></p> <p>Providing laboratory workstations on 'turnkey basis' to meet the intent and purpose of setting up of BSL-3 Laboratory as per the scope of works, approved specifications, designs and drawings on turnkey lumpsum basis including laboratory work stations, laboratory chairs, sinks, hand wash basins, eye wash stationetc. required inside the</p>	Turnkey Lump Sum	1			

	laboratories, excluding the office furnitures.					
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**TOTAL (Rs.) =**

## 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><b>COMPREHENSIVE ANNUAL OPERATION &amp; MAINTENANCE SERVICES</b></p> <p>Comprehensive Annual Operation &amp; 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			
<b>SUB TOTAL- B (Rs.)</b>						
<b>SUB TOTAL- B (Rs. In Words) :</b> .....						