

**M/s HLL Infra Tech Services Ltd. (HITES)**  
**(Subsidiary of HLL Lifecare Ltd, A Government of India Enterprise)**

HITES/IDN/NIV-JAMMU/2023-24 /Amendment-01/

20.02.2024

**Name of the work:** Construction of ICMR, BSL-3 Laboratories and Other Infrastructure Facilities at Village Jagti, Jammu on Design, Engineering, Procurement and Construction on (EPC) basis.

**Ref:** Tender No. HITES/IDN/NIV-JAMMU/2023-24 dated 09.02.2024

**The Reply to Pre-Bid Queries and Amendment shall be treated as part of e-tender to be uploaded online duly signed and stamped along with e-tender:**

**A. Amendment -01 to Existing e-Tender Clauses:**

S. No.	Tender Document/ Section No.	Clause/ Sub Clause/Page no.	Existing Clause/Tender Provision	Amended Clause/Provision
1.	Volume 4 DBR	Finishing Schedule – Annexure-I	Finishing Schedule – Annexure-I	Revised Finishing Schedule – Annexure-I
2.	Volume- 5: Technical Specifications	Page no. 224	“The AHU Unit performance, coil performance and Mechanical characteristics shall be EUROVENT Certified.”	“The AHU Unit performance, coil performance and Mechanical characteristics shall be EUROVENT/ AHRI Certified or equivalent”.
3.	Volume 6 Tender Drawings	Tender Drawings	Tender Drawings	All drawings are only for indication and reference purpose. EPC Contractor has to develop the same during detailed engineering stage and get it approved from HITES/Client.
4.	Volume 6 Tender drawings	Tender Drawings	HVAC Drawing No.- NIV-BSL-AC-02	HVAC Drawing No. NIV-BSL-AC-02 stands deleted.
5.	Notice Inviting E-Tender, Section I	Clause 1.2 table 1, Sl. No. 12 & 13, Vol. I, Page No-14	Last Date & time of Submission of Bids is 22.02.2024 at 11.00 a.m.	Last Date & time of Submission of Bids is 29.02.2024 at 11.00 a.m.
			Date & time of opening of Technical Bids through e-tender portal 23.02.2024 at 3:00 pm	Date & time of opening of Technical Bids through e-tender portal 01.03.2024 at 3:00 pm

**B. Reply to Bidders' Queries:**

S. No.	Tender Document/ Section No.	Clause/ Sub Clause	Existing Clause	Bidder's query	Amended Clause/Reply by HITES
1.	Notice Inviting E-Tender , Section I	Clause no.- 1.4.1, Page no -15	"Similar Works" shall mean BSL-3/BSL-4 laboratory with specialized internal walls, ceiling and finishing works, HVAC works, Electrical Works, HEPA filters in containment housing, Containment barrier double door autoclave with bio-seal, Effluent decontamination system, Building management system, CCTV system, Access Control system, Walk-thru-shower system and associated works. Only fully completed, validated and functional similar works shall be considered.	For section HVAC eligibility & LVS etc., the similar works should be defined.	Terms and conditions of e-tender prevail
2.	Notice Inviting E-Tender, Section I	Clause no.- 1.4.1(b), Page no -15	The bidder shall have at-least one completed work of BSL-3 Laboratory certified by Department of Bio-Technology (DBT).	It is necessary to have similar works certified by DBT?	Terms and conditions of e-tender prevail
3.	Volume 4: Design Basis Report & Volume 6: Tender Drawings			As per the attached Screenshot following documents are not available in portal. 1).Volume 4: Design Basis Report. 2).Volume 6: Tender Drawings	Refer all required volumes/drawings / documents uploaded on CPP Portal and HITES website.
4.	Notice Inviting E-Tender , Section I	Vol. I, Page No-4	Last Date & time of Submission of Bids is 22.02.2024 at 11.00 a.m.	We are requesting you too pls. extend the bid submission date by at least 10 working days. That is the scheduled date of submission 22nd February 2024 to be revised to 05th March 2024.	Refer Amendment at Sl. No. 5 above.

**Important Note:**

1. The above Amendment -01 shall form part of the Tender Document and is to be submitted duly stamped signed by the applicants along with their Application.
2. All other terms & condition of Tender document remains unchanged.
3. For Corrigendum/amendments etc. please refer websites [www.hllhites.com](http://www.hllhites.com), e-Procurement System at NIC's (CPP Portal) <https://etenders.gov.in>. Regularly, separate advertisement will not be made for the same.

Vice President (ID)  
M/s HLL Infra Tech Services Ltd. (HITES)

**END OF AMENDMENT -01**

**“CONSTRUCTION OF ICMR, BSL-3 LABORATORIES AND OTHER INFRASTRUCTURE FACILITIES AT VILLAGE JAGTI, JAMMU”**

**Finishing Schedule**

AREA	WALL	FLOOR	CEILING	DADO	SKIRTING	COVING		
<b>GROUND FLOOR PLAN</b>								
Entrance Lobby	Acrylic Emulsion paint Laminate Panelling upto 900mm ht.	Polished Granite Flooring 2 or more shades with pattern	Gypsum Ceiling With Cove	Upto 900mm as/tender drawing	100mm same as flooring	-		
VIP Visitor Room	Acrylic Emulsion paint with laminate panelling	Vitrified Tiles (600x600)	Gypsum Ceiling With Cove	Laminate Panelling (50% of wall area)	100mm same as flooring	-		
VIP Room	Acrylic Emulsion paint with laminate panelling	Vitrified Tiles (600x600)	Gypsum Ceiling With Cove	Laminate Panelling (50% of wall area)	100mm same as flooring	-		
Office Space	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling	-	100mm same as flooring			
Control Room	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling	-	100mm same as flooring			
Maintenance Room ,Store	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling	-	100mm same as flooring			
IT Server Room	Acrylic Emulsion paint	Vitrified Tiles (600x600) (Raised floor 450mm)	Gypsum Ceiling	-	100mm same as flooring			
Cook Tank	Epoxy paint	SL Epoxy	Modular PCGI Panel (50 mm)	-	Epoxy Coving	Wall & Ceiling corners		
Boiler Tank/steam generator	Epoxy paint	SL Epoxy	Modular PCGI Panel (50 mm)	-	Epoxy Coving	Wall & Ceiling corners		
Canteen, Serving Area	Acrylic Emulsion paint with Glazed ceramic tile 900mm high	Polished Granite Flooring 2 or more shades with pattern	Gypsum Ceiling With Cove	Upto 900mm Glazed ceramic tile as/tender drawing	100mm same as flooring			
Drinking Water,Hand Wash, Utensil wash	Glazed Ceramic Tile full height	Anti-skid Vitrified Tiles (600x600)	Calcium Silicate	Glazed Ceramic Tile full height (300X600)	-			
Staff Dormitory	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling	-	100mm same as flooring			
Prep. Cooking Area, Store, Pot Wash	Glazed Ceramic Tile full height	Kota	Metal tiles	Glazed Ceramic Tile full height	-			
Female & Male toilets	Glazed Ceramic Tile full height (300X600)	Anti skid Vitrified Tiles (600x600)	Calcium Silicate	Glazed Ceramic Tile full height (300X600)	-			
LT panel room	Putty + OBD	Kota Stone Flooring (Size 550Mm X 550Mm)	Putty + OBD		100mm same as flooring			
<b>FIRST FLOOR PLAN</b>								
Conference Hall,Meeting Room	Acrylic Emulsion paint with Laminate panelling	Vitrified Tiles (600x600)	Gypsum Ceiling With Cove	Laminate Panelling (50% of wall area)	100mm same as flooring			
Waiting Lounge	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling With Cove	-	100mm same as flooring			
Dean Office	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling With Cove	-	100mm same as flooring			
Admin Room,Office, Training Room	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling	-	100mm same as flooring			
Store	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling	-	100mm same as flooring			
Washing Areas	Glazed Ceramic Tile Full height	Antiskid Tiles Vitrified tiles (600x600)	Modular PCGI Panel (50 mm)	-	-			
Sample receiving and Sample process	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling		100mm same as flooring			
Cold Room	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling		100mm same as flooring			

Virus Isolation + Airlock	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Reading room + Airlock	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Cell culture + Airlock	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Air Lock and 1800 corridor	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Serology	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Tissue culture	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Post PCR	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
PCR	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Extraction	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Master Mix	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
BSL-2 Lab, corridor & Airlocks	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Washing area	Acrylic Emulsion paint	Anti-Skid Vitrified Tiles (600x600)	Modular PCGI Panel (50 mm)		-	-		
Toilets	Glazed Ceramic Tile Full height	Anti-skid Vitrified Tiles (600x600)	Calcium Silicate		-	-		
<b>SECOND FLOOR PLAN</b>								
Staff Rooms	Acrylic Emulsion paint	Vitrified Tiles (600x600)	Gypsum Ceiling		100mm same as flooring	-		
BSL-3 Laboratory (Containment area)								
Serology, tissue culture, bacteriology, isolation, BSL-3 corridor, vestibule, inner change, shower, waste loading & transfer air-lock	Modular PCGI Panel (80 mm)	SL Epoxy	Modular PCGI Panel (80 mm)		Epoxy Coving	Wall & Ceiling corners		
BSL-3 Laboratory (Containment area)								
Mosquito lab, entomology, larva culture, animal hold, necropsy, BSL-3 corridor, vestibule, inner change, shower, waste loading & transfer air-lock	Modular PCGI Panel (80 mm)	SL Epoxy	Modular PCGI Panel (80 mm)		Epoxy Coving	Wall & Ceiling corners		
BSL-3 Lab outer corridor, outer change, store & material staging, material transfer, washing & unloading with airlock	Modular PCGI Panel (80 mm)	SL Epoxy	Modular PCGI Panel (80 mm)		Epoxy Coving	Wall & Ceiling corners		
Animal hold	Epoxy paint	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Central corridor	Acrylic Emulsion paint with dado 1050mm	Polished Granite Flooring with pattern	Mineral Fibre Grid + Gypsum band Ceiling		100mm same as flooring			
Immunology lab + Airlock	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Serology lab + Airlock	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Clean tissue culture lab + Airlock	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Cell culture lab + Airlock	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Sequencer lab	Modular PCGI Panel (50 mm)	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		
Media prep	Epoxy paint	SL Epoxy	Modular PCGI Panel (50 mm)		Epoxy Coving	Wall & Ceiling corners		



<b>Doors and Windows</b>	<p>1) All doors except BSL-2, BSL-3 and other Labs shall be 2100 mm height with 1mm laminate factory pressed on both sides and 15 mm thk teak wood lipping all around. Vision panel of size as specified shall be provided, in shutters wherever directed, frames shall be powder coated Aluminum with unanodised aluminum sleeve inside (on hinge side only).</p> <p>2) All Labs (Bsl-3,Bsl-2 and other labs ) Shall have prefabricated clean room Doors (as per specs)</p> <p>3) All electrical and communication niche's will be fire proof doors as per NBC 2016.</p> <p>4) All cupboards shall be Box type cupboards with 18mm marine ply/ Block board box, back will be 8mmPly, shelves will be 18mm pre-laminated exterior grade particle boards, Shutters shall be 25 mm thk Block Board with 1mm thk laminate on both sides and 15 mm thk teak wood lipping with Stainless steel Handle and Locks (as per approved sample)</p> <p>5) 2 hour fire rated doors shall be provided as per approved fire scheme and NBC 2016</p> <p>6) The above door specifications shall be read in conjunction with the approved detail drawings.</p> <p>7) Contractor will submit shop drawing for all components and get it approved 1 month before execution.</p> <p>8) Aluminium and press steel frame as per manufacturer specification</p>
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**NOTE:**

1. GROVES OF SIZE 3mmX 3mm, SHALL BE MADE IN TREADS OF ALL STAIRCASES.
2. All Railings to be in Stainless Steel 304
3. All Lift lobbies should have 2 hr rated fire doors as per CPWD Specification and Tender Drawing.
4. All window sill & Jamb shall have Granite stone finish
5. All Door & Window Shutters & Frames to be in Aluminium with 50 Micron powder coating, 35mm thk flushed door shutters with Laminate 1mm thk both side with vision
6. All External Façade shall have Texture Paint. Porch/ Approach to Building : Flamed & Polished Granite/Heavy Duty Vitrified tile combination to be laid as per tender drawing and specifications.
7. All Public Toilets will have Brickwork partition with Ceramic Tile upto false ceiling level
8. All Urinals will have Granite partitions.
9. Toilets will have Hot & Cold Single Tap Mixture and granite counters.
10. Minimum Size of Vitrified tile shall be 600 X 600 mm and Ceramic Tile of 300 X 450 mm
11. Toilet Accessories ( All in Matt finish Stainless Steel) (As per approved sample) - Soap Dispenser, Towel Rod, Towel Ring, Health Faucet, Ablution Tap, Basin Mixer,
12. Kitchen/pantry will have RCC counters on Brick supports planned as per functional design of Kitchen guidelines
13. 2 hour fire rated doors shall be provided as per approved fire scheme and NBC 2016. The door specifications shall be read in conjunction with the approved detail
14. All Vitrified tiles to be used should be Full Body.
15. Paint shall be used along with POP/Cement based putty as applicable.
16. If in any specific area finishing schedule is missing same shall be executed as per similar nature of rooms.
17. Building facade lighting as per required lux level.
18. Presentation(s) and Artistic Views shall be presented for decision of Materials, Finishes and Colours etc. For Internal and External Finishes of the Building(s).
19. All above listed items shall conform to relevant CPWD Specification,VOL-4,Design Basis Report,VOL-5,Technical Specification &VOL-6,Tender Drawings