

## Clarifications

**Title:** Development of Interior works for INCENT LGD at IIT-M Research Park

**Ref No:** PY/MSR/143/2023/LGDINTERIORS

Due to the cancellation of Tender **Ref No.:** PY/MSR/135/2023/LGDINTERIORS. It is Re-tendered. The Pre-bid queries of cancelled tender have been clarified and are included in this tender.

Project	Development of Interior works for INCENT LGD at IITM Research Park , Chennai				
Sr.No	Package	BOQ Reference / S. No.	Equipment	Query	Remarks
	<b>General Query</b>		<b>MEP</b>	Technical specification and drawings are missing. Please share those all documents. Also Approved Make list is missing. Please share the same	<b>Available in the Tender Document please check</b>
	<b>ELECTRICAL</b>				
i	Electrical Works	1.1 to 1.7	Wiring of light, fan, 6A sockets and exhaust fan points	Please share the average primary and secondary length of wire to be taken	Drawing Enclosed
ii	Electrical Works	4.8	Supply and installation of 24 port jack panel	Please share whether loaded or unloaded jack panel to be taken	Loaded jack panel
iii	Electrical Works	4.9b	Supply and installation of 24U hub rack-Floor	Please the dimensions	Enclosed

			mounted	and technical specs of Racks	
iv	Electrical Works	4.9d	Supply and wifi router with two LAN output with antenna type	Please share the Technical Specification of wifi router	Enclosed
v	Electrical Works	5	<b>Light Fittings:-</b> Supply , Installation including assembling, testing and commissioning of 600x600mm modular recess mounted Light Fixture	Please share the Images of Light Fixtures	Please quote for 36w LED 2'X2' (PHILIPS RC380B LED 34S6500L60 PSU )
vi	Electrical Works	8	<b>Switch Boards:-</b> Supply, erection, testing and commissioning of cubicle type switch board Floor mounted, fabricated with 16 Swg CRCA sheets Panel	Please share the Single Line Diagram (SLD) and Approved make for the Panels	Please gothrough SLD and approved electrical make list
vii	Electrical Works	9.2	Supply, installation, testing and commissioning of 4R 150 Sqmm FRLS multistranded copper wire in <b>4R 50MM mm dia</b> 16 swg thick MS conduit ( ISI marked ) from ups , to ups interlocking panel	In the description it is mentioned that copper wire should run in <b>4R 50MM mm dia 16 swg thick MS Conduit.</b> It should be <b>50 mm dia 16swg MS conduit.</b>	yes
vii	Electrical Works	11.7	Terminations of following cable with SIBG glands and copper crimping sockets and earthing of glands with copper clip and connecting the same to earth grid with 14 Swg copper wire	Please share whether to take Single Compression and Double Compression.	single compression
ix	Electrical Works	14	CCTV Cables & Camera	Please share the Make List and technical	Make list Enclosed

				specification for the same	
x	Electrical Works	14.9A	Supply and installation of 2U Rack	Please share the dimensions of Racks	Enclosed
xi	Electrical Works	16	Cable Trays	Please share which galvanisation to be taken:- <b>Pregalvanised or Hot Dip galvanised</b>	pregalvanised
	<b>HVAC</b>				
i	HVAC System	1.a	Supply, Installation, Testing and Commissioning of AHU ceiling suspended AHU	Please share the approved make and technical specification	Please refer to the tender specifications and approved makes mentioned in the tender spec
ii	HVAC System	3c	Supply and fixing of volume control dampers	Please share the dimensions of Volume Control Damper	20G, 22G as already mentioned in the tender BOQ
iii	HVAC System	4	Supply and installation of powder coated Al. Supply air grilles and return air outlets	Please share the dimensions of Grilles	Please quote as per sqM.. Final payment will be based on actuals
iv	HVAC System	4.f.	Ceiling suspended fan filter unit of SS construction complete	Please share the technical specification	Please refer to the tender specifications

			with independent fan with HEPA filter efficiency not less than 99.97% at 0.3 Microns	and approved make	and approved makes mentioned in the tender spec
		4.g	Floor/wall mounted fan filter unit of SS construction complete with independent fan with HEPA filter efficiency not less than 99.97% at 0.3 Microns (Factory DOP tested).		Please refer to the tender specifications and approved makes mentioned in the tender spec
v	HVAC System	5	Supply and installation of fusible link type fire damper	Please share the size of fire damper	Please quote as per sqM.. Final payment will be based on actuals
vi	HVAC System	10	Charges for air balancing the system as per specification	Please share the technical specification	Air balancing is a simple task of balancing the volume of air in all the dampers. No specifications required for this
vii	HVAC System	11	Individual temperature & ON/OFF controller in each lab which controls the VFD drive of the AHU. This is to be wall mounted and complete with control wiring to the damper & VFD control of the AHU.	Please share the technical specification	This again is a standard accessory available.

vii	HVAC System	12	VAV damper box with electric actuator controlled by the individual room thermostats	Please share the dimensions for VAV Box and technical specification for same	Please quote as per sqM.. Final payment will be based on actuals
	<b>Fire Fighting</b>				
i	Fire Protection System	3	Supply and laying of metallic flexible hose of suitable dia and about 1500 mm long for fixing the sprinklers to the main pipe wherever false ceilings are provided.	Please share its diameter	Dia will be determined in detailed engineering
ii	Fire Protection System	4	Water Flow switch	Please share its dimension	Size to be determined in detailed engineering
iii	Fire Protection System	7	Supply and fixing of GI perforated cable tray, size as under, for support/ concealment of small bore sprinkler pipes running in the hospital corridor and areas without false ceiling.	Please share which galvanisation to be taken:- <b>Pregalvanised or Hot Dip galvanised</b>	Pregalvanised
i	<b>Part B:-Fire Extinguisher</b>	1	Supply and fixing of portable fire extinguishers manufactured as per IS with ISI marked suitable for wall mounting / floor mounting / trolley types with all accessories.	Please share the approved make for the fire extinguisher	ISI approved makes allowed

i	<b>Fire Alarm System</b>	General	FAS	Please share the technical Specification and approved make for FAS	FAS is to be compatible with the building FAS provided
ii	<b>Fire Alarm System</b>	10	Other accessories like end of line resistance etc as required	The quantity is given in LS. Please share the requirement in numbers to quote for the same.	This needs to be determined by the contractor during detailed engineering
iii	<b>Fire Alarm System</b>	11	Providing Air conditioning trip module within the panel as required	Please share its Technical Specification	Please refer to the specifications provided
iv	<b>Fire Alarm System</b>	14	Short circuit isolators	Please share its rating	N/A
	<b>General Query</b>		<b>INTERIORS</b>	<b>QUERY</b>	<b>QTY</b>
1	Interiors	<b>2.3</b>	<b>VITRIFIED TILE WALL DADO (Above Counter Slab)VITRIFIED TILE WALL DADO (Above Counter Slab)</b>		

			<p>Providing and fixing 1st quality Vitrified glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make fixing using Approved Tile Adhesive , in all colours, shades as approved by Architect. (The tile to be pasted on MDF partition wall)</p> <p>Providing and fixing 1st quality Vitrified glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make fixing using Approved Tile Adhesive , in all colours, shades as approved by Architect. (The tile to be pasted on MDF partition wall)</p>	Basic rate of tile required.	Mentioned in the BOQ
2	Interiors	<b>2.7</b>	<b> veneer finish</b>		
			<p>CARPENTRY PROVIDING AND FIXING VENEER . Providing and fixing 4mm thick veneer of approved make including making grooves as per the design, necessary hardware,</p>	Veneer basic rate required.	Mentioned in the BOQ

			adhesives etc. complete.CARPENTRY PROVIDING AND FIXING VENEER . Providing and fixing 4mm thick veneer of approved make including making grooves as per the design, necessary hardware, adhesives etc. complete.		
3	Interiors	2.9	<b>WALL PAPER</b>		
			Providing and fixing wall paper of approved make, shade, texture as directed. 100% washable, scratch resistance, peel proof, and fire retardant properties fixed with adhesive as per manufacturers specification. The wall paper should give a seamless finish.Providing and fixing wall paper of approved make, shade, texture as directed. 100% washable, scratch resistance, peel proof, and fire retardant properties fixed with adhesive as per manufacturers specification. The wall paper should give a seamless finish.	Basic rate of wallpaper required.	Mentioned in the BOQ



4	Interiors	<b>2.10.12.10.1</b>	<b>VITRIFIED TILE FLOORING</b> <b>VITRIFIED TILE FLOORING</b>		
			<p>Providing and laying Glazed Vitrified floor tiles in different sizes (Minimum thickness of tile 10mm) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand), including grouting the joints with white cement and matching pigments etc., complete with spacer of 5mm. Supply and lay one coat of First quality POP layer over plastic sheet. for protecting the tiles from scratches and oil stains etc complete as directed. And same removing before handing over the work. Providing and laying Glazed Vitrified floor tiles in different sizes (Minimum thickness of tile 10mm) with water absorption less than 0.08% and conforming to IS : 15622, of</p>	Basic rate of tile required.	Mentioned in the BOQ

			approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 sand), including grouting the joints with white cement and matching pigments etc., complete with spacer of 5mm. Supply and lay one coat of First quality POP layer over plastic sheet. for protecting the tiles from scratches and oil stains etc complete as directed. And same removing before handing over the work.		
5	Interiors	<b>2.10.22.10.2</b>	<b>LAMINATED WOODEN FLOORING</b> <b>LAMINATED WOODEN FLOORING</b>	Basic rate required.	Mentioned in the BOQ
6	Interiors	<b>2.10.42.10.4</b>	<b>GRANITE COUNTER TOP</b> <b>GRANITE COUNTER TOP</b>		
			GRANITE WORK FIXING Mirror polished, 18 mm Providing and fixing 18 mm thick gang saw cut mirror polished (pre-moulded and pre polished);machine cut for dry pantry counter and similar locations of required size of approved shade; colour and texture laid using suitable Tile	Unit mentioned is in Smt. Please confirm	Mentioned in the BOQ

			<p>adhesive including moulding and polishing to edge to give high gloss finish etc. complete at all levels. Granite of any color and shade, upto 0.5 sqm. Job to be done as per specifications and directions of site engineer.</p> <p>GRANITE WORK FIXING Mirror polished, 18 mm Providing and fixing 18 mm thick gang saw cut mirror polished (pre-moulded and pre polished); machine cut for dry pantry counter and similar locations of required size of approved shade; colour and texture laid using suitable Tile adhesive including moulding and polishing to edge to give high gloss finish etc. complete at all levels. Granite of any color and shade, upto 0.5 sqm. Job to be done as per specifications and directions of site engineer.</p>		
7	Interiors	<p><b>2.10</b> <b>.82.10</b> <b>.8</b></p>	<p><b>ELECTRO STATIC DISCHARGE VINYL TILE FLOORING</b> <b>ELECTRO STATIC DISCHARGE VINYL TILE FLOORING</b></p>		

			<p>Supply &amp; Installation of ESD Floors – PVC 2mm thick and the electro static dissipative will be homogeneous constructed product sliced from a pressed vinyl block to assure a highly flexible tile of dense construction, dimensionally stable, extremely hard wearing, with a completely non-directional pattern. Copper tape shall be layed at 900 mm grids. Copper strip grid to be formed in wall and floor at 900mm c/c bothways the joints to be rivited and connected to the earth strip &amp; earthing. (Earthstrip paid separately)Supply &amp; Installation of ESD Floors – PVC 2mm thick and the electro static dissipative will be homogeneous constructed product sliced from a pressed vinyl block to assure a highly flexible tile of dense construction, dimensionally stable, extremely hard wearing, with a completely non-directional pattern. Copper tape shall be layed at 900 mm grids. Copper strip grid to be formed in wall and floor at 900mm c/c bothways the joints to be rivited and connected to the earth strip &amp; earthing. (Earthstrip paid separately)</p>	Basic rate required.	Brand and thickness mentioned
8	Interiors	<b>4.19</b>	<b>LOCKERLOCKER</b>		
			<p>Providing of Lockers of compartment sizes 300x450x1200 (2 Compartments)Providing of Lockers of compartment</p>	Detailed drawing required.	Based on Interior Layout

			sizes 300x450x1200 (2 Compartments)		
9	Interiors	<b>8.1</b>	<b>PINUP BOARDS</b> <b>PINUP BOARDS</b>		
			Providing & fixing Fabric paneling or Soft boards with 12 mm MDF backing with P.E. Foam 2-4mm thick. Soft board to be provided with TW lipping. Soft board is covered with fabric of approved make, shade and then is fixed over the MDF board using headless nails as directed.	Fabric basic rate required.	Mentioned in the BOQ
10	Interiors	<b>8.7</b>	<b>PLANTER BOX</b>		
			Providing & Fixing of 18mm thick MDF board finished with 1mm thick Laminate finish of Approved colour and Shade. The size and shape of the Planter Box as per architectural drawing.	Please provide the size	Changed Sqm instead of Nos
11	Interiors	<b>8.8</b>	<b>Plant Pot</b> : Pot made up of clay/ceramic along with the fertile sand/pebbles as per Requirement	Basic rate required.	Mentioned in the BOQ
12	Interiors	<b>8.9</b>	<b>Natural Plants</b> Supply & installation of Natural Indoor plants of approved species selection suitable for indoor applications,	Basic rate required.	Mentioned in the BOQ

			inclusive of suitable light-weight soil mixture, etc complete and as directed.		
13	Interiors	8.10	<b>Artificial Plants</b> Supply & installation of Artificial Indoor plants of approved design, inclusive of suitable light-weight soil mixture / equivalent medium to fix the same, etc complete and as directed.	Basic rate required.	Mentioned in the BOQ
	<b>General Query</b>		<b>LEGAL QUERIES</b>		
1			Client to consider this clause - "Limitations of Liability" & include the same in contract		
2		Limitation to Liability	As per the clause, Neither Party shall be liable to the other Party for any loss of profit or revenue (whether direct or indirect), loss of opportunity or loss of goodwill, and/or any indirect, special or consequential loss of any kind arising out of or in connection with this Agreement, whether in Contract, tort (including		

			<p>negligence), equity, under statute or otherwise, notwithstanding that it had been informed or had notice (whether actual or constructive), or had contemplated or foreseen the possibility, of such loss or such loss results from supervening events or circumstances after the signing date. Any liability of a Party under or arising from this Agreement shall be reduced proportionately to the extent that any act or omission of the other Party or its employees, agents or representatives contributed to such liability. The maximum liability arising out of this Agreement on contractor shall not exceed the total contract value</p>		
3		LD propose	- 5% max capping		
4		Force Majeure	Pandemic to be included as force majeure.		

5		Price Escalation	to be considered in the case of increases in the prices of raw materials, supplies, labor or additional levies imposed upon the CONTRACTOR due to changes in taxes, duties or any other applicable law.		
			In case of delay which are not attributable to us, where the time of work completion gets extended unreasonably.		