



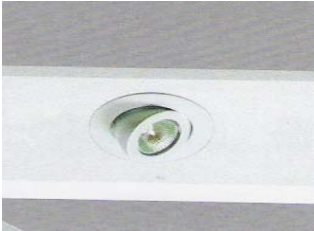




28.05.16									
BILL OF QUANTITIES FOR SUPPLY OF LIGHT FITTINGS FOR PROPOSED INTERIORS FOR BIOINCUBATOR AT IITM RESEARCH PARK,									
A	Preamble to BOQ								
1	The quantities and the overall lighting design mentioned in this BOQ is indicative.								
2	The lighting suppliers are at liberty to evaluate the design and either suggest alternative fixtures, reduce or increase fixtures.								
3	It is important however that the overall concept of the false ceiling design and lighting as conceived by the architects be respected.								
4	The desired lux level at the Open office, meeting rooms, lobby, cabins and labs is 350-400 lux & for the cafeteria and the service areas is to be 300-350 lux.								
5	Options of fixtures with LED lamps may be given.								
6	Respective companies may suggest different alternatives for the fixtures in the special fixtures category as per their proprietary designs. The images and models								
7	Each quote must be accompanied by images of the fixtures and their technical brochure.								
8	Rates to include all taxes, duties wherever relevant and shall be including delivery and unloading at designated place at site								
9	All rates should include supply of fixture, lamps, ballast and all related accessories.								
10	Minimum warranty of 1 year on all light fittings.								
11	Delivery at site to be 2 - 3 weeks from the date of P.O								
12	Light fittings quoted to be attached with respective catalogues and to submit samples of shortlisted light fitting for evaluation.								
13	Payment terms, to be mentioned along with the offer.								
14	The proposed vendor is expected to submit a pay back period and abstract value for the light fittings with LED option.								
B	Standard fixtures								
Sl.no	Type of Fixture	Proposed Area	Unit	Quantity	Rate	Amount	Delivery		
					INR	INR			
1	Indoor recess mounting bottom opening clean room luminaire with access from bottom. Clean Room luminaires have been designed with advanced technologies and offer high luminance levels for specialized areas. Features CRCA sheet steel white powder coated housing Clear acrylic cover is sealed with white powder coated or high strength corrosion resistant stainless steel frame with double sided gasket to foolproof dust Bottom frame is gasketed from the sides for ceiling the cutout Gasket is made of cross linked non-hygroscopic polypropylene Reflector is made of full specular (FS) high purity aluminium. Loss proof SS screws used for fixing the bottom frame to the body Control gear available in switch start or high frequency electronic gear in THD<30% or 10% options. Available in CFL & FTL versions.	Lab - Clean rooms 	Nos	4					
	Acrylic lens 2x36 CFL CRCA Housing Low loss magnetic ballast, HPF Electronic control gear tray THD<30% Electronic control gear tray THD<10% 2 x 36 W CFL 600 x 600 Philips make or equivalent.								
2	Recess mounted 40 w T5 up down fitting with a bottom difussed cover to fit into a grid system of 1200 mm x 300 mm Philips make or equivalent.		Nos	10					

3		600x600mm Diffused cover fitting suitable for 4x14Watts T5 with ribbon housing for better light distribution controlled by one Non Dimmable ballast (10 -100%) of suitable rating with input THD less than 10%.As Thorn Cosmo CSMO 414 (ELH) Philips make or equivalent.		Nos	100			
4	a	Recessed downlight LED with LED (Light Emitting Diode)15W, luminous flux of luminaire 1000lm, 4000K, CRI >80, 230V, direct light emission, housing with ceiling trim, in die-cast aluminium, white, satin diffuser, passive cooling, electronic control gear,Protection class I, IP20 / IP44ø = 127 mm DAø = 114 mm FT = 100 mm DN192B LED9S-4000 PSU WH		Nos	4			
	b	Recessed downlight LED with LED (Light Emitting Diode)6W, luminous flux of luminaire 1000lm, 4000K, CRI >80, 230V, direct light emission, housing with ceiling trim, in die-cast aluminium, white, satin diffuser, passive cooling, electronic control gear,Protection class I, IP20 / IP44ø = 65 mm DAø = 114 mm FT = 100 mm		Nos	4			
5		Polycarbonate casing tube light fitting 600mm long, Philips or equivalent 		Nos	4			
		1200mm long		Nos	24			
6		Recess mounted spot light fixture with 12V, 50W dichroic Halogen lamp with electronic step down transformer 	As mentioned in the layouts	Nos	8			
				Rmt	30			
7		LED strip light roll warm white color With 3m tape backing						
8		In ground Floor walk over led lights						

	4.5W LED Inground Uplighter Warm white With Remote LED Driver (1 Driver for 5 Fixtures)		Nos	10			
Grand Total				154			
Taxes							
TOTAL							

Varsha & Pradeep - Architects

Terms & conditions

- 1) Taxes : Inclusive of All Taxes
- 2) Delivery :
- 3) Supply :
- 4) Payment terms:
- 5) Warranty: