

COLLEGE OF ENGINEERING PUNE										
PROJECT		COLLEGE OF ENGG.PUNE								
Project Implementation Agency [ CLIENT ]		COLLEGE OF ENGG.PUNE								
Project Architects / Lead Consultant / Principal Architects		Christopher Charles Benninger Architects Pvt. Ltd., Pune, INDIA.								
Project HVAC Consultant		Infinity HVAC Systems								
BUILDING		Academic Complex COLLEGE OF ENGG.PUNE								
Item No.	Item Description	Quantity	Unit	Supply		Installation		Supply + Installation		List Of Make
				Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	
<b>A</b>	<b>ACADEMIC BUILDING</b>									
i>	<b>Auditorium/Seminar AC</b>									
	<b>Description Part 'A'</b>									
<b>1.0</b>	Supply,Testing,Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of Aircooled Floor mounted Roof Top Packaged Airconditioners of 11 TR nominal capacity, capable of delivering 4400 CFM of dehumidified air quantity, with multiple small compressors	2	Nos.		-				-	LG, Daikin, samsung, toshiba
	Total supply Rate (Rs.)(in words)									
<b>2.0</b>	Supply,Testing,Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of Aircooled Floor mounted Roof Top Packaged Airconditioners of 15 TR nominal capacity, capable of delivering 6000 CFM of dehumidified air quantity, with multiple small compressors	2	Nos.		-				-	LG, Daikin, samsung, toshiba
	Total Supply Rate (Rs.) : (in words)									
<b>TOTAL OF PART 'A'(FOR AUDI/SEMINAR)</b>										
									-	

Item No.	Item Description	Quantity	Unit	Supply		Installation		Supply + Installation		List Of Make
				Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	
	<b>Description Part 'B'</b>									
<b>3.0</b>	Installation [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants]charges for Floor Mounted Aircooled Packaged Roof top Airconditioner of 11 TR capacity, capable of delivering 4400 CFM of dehumidified air, with multiple scroll compressors complete with 2 layers of Ribbed Rubber Pads, Double canvas connection, Refrigerant R-22 Gas, Mild Steel wall mounted Condenser stand, with cat walk & duly painted as per specifications/instruction with controller.	2	Nos.							LG, Daikin, samsung, toshiba
	Total Installation Rate (in words) (Rs.) :									
<b>4.0</b>	Installation [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants]charges for Floor Mounted Aircooled Packaged Roof top Airconditioner of 15 TR capacity, capable of delivering 6000 CFM of dehumidified air, with multiple scroll compressors complete with 2 layers of Ribbed Rubber Pads, Double canvas connection, Refrigerant R-22 Gas, Mild Steel wall mounted Condenser stand, with cat walk & duly painted as per specifications/instruction with controller.	2	Nos.							LG, Daikin, samsung, toshiba
	Total Installation Rate (in words) (Rs.) :									
<b>5.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] with all lead and lifts, all levels - <b>GSS Ducting</b> as per SMACNA Std. & tender specifications. The work shall include all ancillary items like supports, clamps, anchor fasteners, etc.									Jindal / Uttam / equivalent
<b>i</b>	18G Ducting	R.O.	Sq.M.							
<b>ii</b>	20G Ducting	25	Sq.M.							
<b>iii</b>	22G Ducting	140	Sq.M.							
<b>iv</b>	24G Ducting	260	Sq.M.							
	Total Supply + Installation (in words) (Rs)									
<b>6.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] with all lead and lifts, all levels - <b>GSS duct dampers</b> of min 1.6 MM (16 G) thickness. These shall be single deflection (one-way) type dampers	2	Sq.M.							Cosmos / Dyna Craft / Caryaire / Ravi-Star / Air product
	Total Supply + Installation (in words) (Rs)									
<b>7.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Sub-Consultants (HVAC) and Project Management Consultants] of following Aluminium powered coated strip line slot Diffuser for supply air with adjustable damper.									Cosmos / Dyna Craft / Caryaire / Ravi-Star / Air product

Item No.	Item Description	Quantity	Unit	Supply		Installation		Supply + Installation		List Of Make
				Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	
	One Slot	R.O	RMT							
	Two Slot	R.O	RMT							
	Three Slot	150	RMT							
	Total Supply + Installation (in words) (Rs)									

Item No.	Item Description	Quantity	Unit	Supply		Installation		Supply + Installation		List Of Make
				Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	
<b>8.0</b>	Supplying, Erecting, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] with all lead and lifts, all levels - <b>PVC Plumbing Grade drain piping</b> with Hitlon Insulation & 'U' trap using proper sealant & threaded joint for (the piping shall be erected in such a way so as to ensure minimum bends in the									Prince /Kisan /finolex
	40 mm Dia.	30	RMT							
	Total Supply + Installation (in words) (Rs)									
<b>9.0</b>	Supplying, Installing, Testing and Commissioning of Thermal Insulation[which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants]of duct with - <b>25 mm Thick</b> Cr-150 black Alluminium faced Fiberglass with PVC tapes & Nylon binding straps.	340	Sq.M.							Twiga, owens coming
	Total Supply + Installation (in words) (Rs)									
<b>10.0</b>	Supplying, Installing, Testing and Commissioning of Accoustic Insulation [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of duct with - <b>12 mm Thick</b> Cr-300 rigid board (fiber glass) covered with R.P.Tissue & 26 Gauge perforated Alluminium foil.	90	Sq.M.							Twiga, owens coming
	Total Supply + Installation (in words) (Rs)									
<b>11.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of VAV boxes along with thermostat & necessary controls & cabling upto 5 Mtrs.	2	Nos.							Cosmos / Dyna Craft / Caryaire / Ravi-Star / Air product
	Total Supply + Installation (in words) (Rs)									
<b>TOTAL OF PART 'B'(FOR AUDI/SEMINAR)</b>										-
<b>TOTAL OF AUDI/SEMINAR</b>										-

Item No.	Item Description	Quantity	Unit	Supply		Installation		Supply + Installation		List Of Make
				Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	
ii>	<b>Toilet Exhaust</b>									
<b>1.0</b>	Supplying, Erecting, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of Exhaust Inline Duct fan at 20 mm static pressure along with cabling & plug top.									Kruger,Nikotra ,System air, Equivalent
	300 cfm	5	Nos.							
	350 cfm	0	Nos.							
	500 cfm	0	Nos.							
	700 cfm	3	Nos.	2						
	750 cfm	3	Nos.	4						
	Total Supply + Installation (in words) (Rs)									
<b>2.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] Necessary Bracket,Stand or Hanging arrangement for Fan Unit.									As per company requirement
	300 cfm	5	Nos.							
	350 cfm	0	Nos.							
	500 cfm	0	Nos.							
	700 cfm	3	Nos.	2						
	750 cfm	3	Nos.	4						
	Total Supply + Installation (in words) (Rs)									
<b>3.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] with all lead and lifts, all levels - <b>GSS Ducting</b> as per SMACNA Std.& tender specifications. The work shall include all ancillary items like supports, clamps, anchor fasteners, etc									Jindal / Uttam / equivalent
<b>i</b>	18G Ducting	R.O.	Sq.M.							
<b>ii</b>	20G Ducting	R.O.	Sq.M.							
<b>iii</b>	22G Ducting	R.O.	Sq.M.							
<b>iv</b>	24G Ducting	105	Sq.M.							
	Total Supply + Installation (in words) (Rs)									
<b>4.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of Round Disc type Exhaust Diffuser for Toilet area 5" dia.	92	Nos.	81						Cosmos / Dyna Craft / Caryaire / Ravi-Star / Air product
	Total Supply + Installation (in words) (Rs)									
<b>TOTAL OF Toilet Exhaust</b>										
										-

Item No.	Item Description	Quantity	Unit	Supply		Installation		Supply + Installation		List Of Make
				Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	
iii>	<b>Lab Area Ventilation</b>									
<b>1.0</b>	Supplying, Erecting, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of Inline Duct fan at 20 mm static pressure along with cabling & plug top.									Kruger,Nikotra ,System air, Equivalent
	4800 cfm	1	Nos.							
	Total Supply + Installation (in words) (Rs)									
<b>3.0</b>	Supplying,Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] Necessary Bracket,Stand or Hanging arrangement for Ventilation AHU Unit.									Ethos, Nutech, carryair
	4800 cfm	1	Nos.							
	Total Supply + Installation (in words) (Rs)									
<b>4.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] with all lead and lifts, all levels - <b>GSS Ducting</b> as per SMACNA Std.& tender specifications. The work shall include all ancilliary items like supports, clamps, anchor fasteners, etc									Jindal / Uttam / equivalent
<b>i</b>	18G Ducting	R.O.	Sq.M.							
<b>ii</b>	20G Ducting	R.O.	Sq.M.							
<b>iii</b>	22G Ducting	65	Sq.M.							
<b>iv</b>	24G Ducting	300	Sq.M.							
	Total Supply + Installation (in words) (Rs)									
<b>5.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] with all lead and lifts, all levels - <b>Aluminium powder coated Door Transfer Grilles</b> with black coloured dampers for toilet exhaust with all side flanges of following size.									Cosmos / Dyna Craft / Caryaire / Ravi-Star / Air product
	36"W X 12"H	5	Nos.							
	Total Supply + Installation (in words) (Rs)									
<b>6.0</b>	Supplying, Installing, Testing and Commissioning [which will make the entire system as complete and functional and prove the practical results as per the design guidelines to the Clients, Project Architects, Project Architects Sub-Consultants (HVAC) and Project Management Consultants] of Round Disc type Exhaust Diffuser for Lab area 6" dia.									Cosmos / Dyna Craft / Caryaire / Ravi-Star / Air product
	Total Supply + Installation (in words) (Rs)									

Item No.	Item Description	Quantity	Unit	Supply		Installation		Supply + Installation		List Of Make
				Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	Unit Rate (Rs.)	Total Amount (Rs.)	
	<b>TOTAL OF Lab Ventilation</b>									
<b>TOTAL : HVAC SYSTEM ACADEMIC BUILDING Auditorium , Seminar &amp; ventilation</b>									-	