	5	4	d	C	D	- w	w	2	0	T	es es	→ >		SrNo	Project Name :	company Name :	Price Comparative Statement
drawings and as per specifications.	Supply, installation, testing and commissioning of Fire damper from approved shop	Supply, installation and testing of GI construction Opposed blade Volume control dampers within ducts to be provided with suitable ducts lever and quadrants for manual control of volume of air flow and for proper balancing of the air distribution system.	100 mm dia.	150 mm dia.	200 mm dia.	300 mm dia.	Supply, Installation, Testing and Balancing of flexible ducting comprising of inner as well as outer skin constructed out of aluminium & fibre glass insulation 25mm thick of minimum 24 kg/cu.m density insulation sandwitched in between. Duct should confirm to fire rating standards BS-476 part 5, 6 & 7. Flexible Ducts of following sizes as per approved shop drawings, specifications:	resistant double resin sleeve as per the approved shop drawings.	Simply fahitration installation testing and positioning of Figure 1.		24 gauge galvanised sheet steel (0.63 mm)	DUCTWORK AND AIR DISTRIBUTION Supply. installation and testing of SITE Fabricated GI sheet metal ducts as per IS-655 Standard in accordance with the approved shop drawings as required by the specifications. Quoted price shall be inclusive of all necessary supports by MS structural steel if required, hangers, clamp supports from walls, floors and ceiling including cutting holes and chases in brick, R.C.C. work, making good the same to original condition complete in all respects with painting with one coat of primer and two coats of paint to supports of MS work Note:All exposed surfaces & duct shall be painted in black mat finish by the HVAC contractor.	11111	Particulars	Finishing work for Toilet & Pantry Work at CIP Lounge at Terminal-03, CCSI Airport, Lucknow	LKO INTNL ARPT LTD	ive Statement
		Sqm.	Mtr.	Mtr.	Mtr.	Mtr.		RMT	Sqm.	Sqm.	0			Units			
	,	3.50	,					8.00	100.00	370.00	270.00			Wo aty.			
	,	3.50	,			,		8.00 5.6	100.00 Tc	370.00 2 5 9	220 20 20 20 20 20 20 20 20 20 20 20 20			Site City			
		3,500	1,200	1,450	1,850	2,350		500		9 1,350				WO Rs			
	,	12,250	,	,			,	4,000	1,65,000	4,99,500				Amount			

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1.50 j.os 8,600 12,900

Fire Dampers (Fusible link)

a			15.1	15		14	Д	c	ь	a	13	р	C	ь	D)	12	4	10	6	co	7	6
25 mm thick	ss/application will be as per approved shop drawing notes.	Supply and Application of external thermal insulation of supply /return air ducting using closed cell elastomeric nitrile rubber insulation with class 'O' fire retardant properties as per the specifications and drawings. Quoted price shall be inclusive of adhesive, tapes as per specification, insulation shall be provided with aluminium foil, factory laminated.	THERMAL INSULATION FOR DUCTWORK	THERMAL INSULATION	Supply, Installation and testing of extruded aluminium powder coated air transfer grilles to be provided at the door of toilets/pantry.	Air Transfer Grilles	100 mm día.	150 mm dia.	200 mm dia.	300 mm dia.	Supply, Installation and Testing of Butterfly damper of aluminium sheet construction with two flap with sleeve as per thespecifications and shop drawings.	100 mm dia.	150 mm dia.	200 mm dia.	300 mm dia.	Supply, Installation and Testing of single piece GI round spigot made out of spinning process with 50mm height and having grooves on both sides and circular flanges. Spigots shall be installed on main ducts to facilitate connection of flexible ducts.	Supply, installation, testing and balancing of Powder coated/Anodised extruded aluminium construction Inlet air louvers with bird screen and volume damper for outside air as per specifications and approved shop drawings.	Supply, installation, testing and balancing of Powder coated/Anodised extruded aluminium construction. Louvers with bird screen for exhaust air as per specifications and approved drawings.	Supply, installation, testing and balancing of Powder coated extruded aluminium construction square / round shape Supply Air Diffusers with removable core & anti smudge ring & volume control dampers as per approved drawings and specifications.	Supply, installation, testing and balancing of Powder coated extruded aluminium construction square / round shape Return / Exhaust Air Diffusers with removable core & anti smudge ring & as per approved drawings and specifications.	Supply, installation, testing and balancing of powder coated extruded Aluminium Exhaust/Return Air Grilles without volume control dampers with adjustable double louvers.	Supply Installation, testing and balancing of powder coated Extruded Aluminium Supply Air Grilles with volume control dampers in accordance with the approved shop drawings and specifications.
To do					Sqm		Mtr.	Mtr.	Mtr.	Mtr.		Mtr.	Mtr.	Mtr.	Mtr.		Sqm.	Sqm.	Sqm.	Sqm.	Sqm.	Sqm.
					1.00	,	,						,						1.30	1.50	3.50	2.50
1			,		0.7			,									ı		1.30	1.50	2.45	2.50
1,500	1 500				7,600		1,200	1,650	2,100	2,500		1,200	1,500	1,800	2,100		6,500	6,500	6,500	6,500	6,500	8,600
			,		7,600		,				,				,				8,450	9,750	22,750	21,500

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1.2.1	b.	'n							_	B		ь.	'n		15.2	0,	a.	C.	b.
Supply, Installation, Testing and C intake section, electrostatic precipi fumes from exhaust air, as per the Specifications	IF-1	IF-1	No.	Fan	Fan Selection	Quoted prices shall be inclusically clamp supports from walls, flot paint to supports of MS work. In addition, 18G GI sheet can fans to be installed on terrace Note: Static Pressure for all fi	Supply, installation, te shown in drawings. E. screen, fixed louvers a inclusive of electronic lncase of 3 phase fant starter panel and fan. for indoor installations	INLINE FANS WITHOUT FILTER	VENTILATION FANS	VENTILATION	TOTAL FOR I	25mm thick lining	10mm thick lining	Supply and Ap insulation with Insulation mate the GI sheet.	ACOUSTIC LINING OF DUCTS	9 mm thick (S/Air duct in R/Air Contact)	13 mm thick (R/Air duct in non AC Area)	16 mm thick (S/Air duct in Non AC Area)	19 mm thick (F
ation, Testing a electrostatic p naust air, as pe	500	500	(Cfm)	Capacity	arrangement s	shall be inclus s from walls, fl ts of MS work G GI sheet car silled on terrace ressure for all	ation, testing a ngs. Each far nuvers and GI ctronic speed ase fans quote nd fan. Fans sullations.	WITHOUT FIL	FANS	FANS AND A	DUCTWORK /	ing	ing	plication of int density within erial shall be b	NING OF DUC	Air duct in R/A	NAir duct in no	3/Air duct in N	resh air Duct
and Commission recipitation techer the	14-15	14-15	(mmWG)	S.P	Fan Selection arrangement shall be as follows	ive of all neces: oors and ceiling nopy work and v	nd commission shall be comp sheet canopy for regulator and w d price shall be hall have low no	TER		VENTILATION FANS AND ARRANGEMENT	TOTAL FOR DUCTWORK AND AIR DISTRIBUTION			ernal acoustic I 140-180 Kg/m3 onded with the	STS	\ir Contact)	on AC Area)	on AC Area)	19 mm thick (Fresh air Duct in Non AC Area)
Supply, Installation, Testing and Commissioning of Dry Type Scrubber each comprising of extract air intake section, electrostatic precipitation technology, dry type air cleaner to remove oil, smoke and furnes from exhaust air, as per the Specifications.	Toilet	Electrical Room	to be exhausted	Area to	S:	Quoted prices shall be inclusive of all necessary supports by MS structural steel if required, hangers, clamp supports from walls, floors and ceiling with painting with one coat of primer and two coats of paint to supports of MS work. In addition, 18G GI sheet canopy work and vibration isolator pads to make installation vibration free for fans to be installed on terrace. Note: Static Pressure for all fans need to checked by the contractor after the installation of ducting.	Supply, installation, testing and commissioning of duct mounted. IN-LINE FANS for exhaust air as shown in drawings. Each fan shall be complete with motor, mounting flanges, accessories like bird screen, fixed louvers and GI sheet canopy for weather protection as required. Quoted price shall be inclusive of electronic speed regulator and wiring between fan & speed regulator for single phase fans. Incase of 3 phase fans quoted price shall be inclusive of DOL starter panel with cabling between starter panel and fan. Fans shall have low noise level in rage of 35-40dBA @3m and shall be suitable for indoor installations.				IBUTION			Supply and Application of internal acoustic lining of supply air ducting using open cell nitrile rubber insulation with density within 140-180 Kg/m3 as per the approved shop drawings and specifications. Insulation material shall be bonded with the ducts using metal screw and washers to facilitate grip to the GI sheet.					
	No	No										Sqm	Sqm			Sqm	Sqm	Sqm	Sqm
,	1.00	1.00												.,	,	270.00	50.00		
	1.00 0.7	1.00 0.7														270.00 189	50.00 35		
	65,000	65000										1,650	1,350			9 1,250		1,200	1,300
	65,000	65000									11,48,700			¥		3,37,500	47,500		

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	Price [A+B]	Taxes	Total Basic	Supply, installation, testing and commissioning of Air Curtain as shown in drawings. Unit consist of Blowers, motors & nozzles. It has velocity control switch & door sensors. Material of the Body is MS Powder Coated and having dB level in between 60-70.	AIR CURTAIN	sh Air 1500	Description CFM ESP (mm. of wg)	Axial flow fan for Normal Fresh air supply. Fan motor shall be suitable for 415 ± 10% volts, 50 cycles, 3 phase power supply with high efficiency, IE-3 type for normal application and fan total efficiency should not be less than 65%. The fan shall be equipped with mounting bracket & spring isolators for the installation of the fans. Fan static pressure shall be as indicated but actual duting & fan static pressure to be checked by vendor. Fan shall be with fire proof flexible connection at inlet and outlet. Noise level for normal application fans shall be less than 70 dbA @1 meter distance. If required, shall be included to meet the desired sound levels. All Fans shall be with back draft damper and cost will be included in the cost.	Supply. Installation. Testing & Commissioning of direct driven TUBE/VANE AXIAL FLOW FAN. Vane.	10	The Scrubber Machines (EAC) shall be of following duty parameters:	Operating Voltage: 220V, 50 Hz Ionizing Voltage: 12.5 to 13 KVDC Collector Cell Voltage: 6 to 6.5 KVDC Power Consumption: Not more than 50W per cell.	Electrostatic section shall be made of 16/18 gauge galvanised sheet, high baked epoxy powder coated, washable type aluminium mesh filters, stainless steel spiked ionizers to create high voltage DC field, aluminum collector plates which should be alternatively charged positive and negative with large collecting area with 14" deep cell, to work as magnet for charged smoke and oil particles. Average efficiency of 90-95% in single pass as per ASHRAE test method. Electrostatic Precipitator should be able to charge particles from 0.01 micron to 10 microns through solid state power supply. Collector cell should be of permanent type and incorporate silde out facility for easy removal for cleaning. Power supplies shall be 100% solid state UL Listed, Module of capacity above 3000 CFM shall be equipped with Pulse width modulating (PWM)The system should be fitted with interlock switch for safety. The system should allow connection to a fan section to achieve 500 FPM velocity across the air cleaner. Vendor to include cost of MCB & single phase wiring for AC supply to the Scrubber.
Mines Jahon	1					No			No				
7	-			,		1.00	,		1.00				
						1.00 O.T	,		1.00 0.1				
						1,65,000			1,95,000				
	19,33,666	2,94,966	16,38,700			1,65,000			1,95,000				

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