

**Price Comparative Statement**

Company Name : LKO INTNL ARPT LTD

Project Name : Finishing work for Toilet & Pantry Work at CIP Lounge at Terminal-03, CCSI Airport, Lucknow

Sr No	Particulars	Units	WO Qty.	Site Qty	WO Rs	Amount
A	<b>HVAC</b> <b>DUCTWORK AND AIR DISTRIBUTION</b>					
1	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.					
a	24 gauge galvanised sheet steel (0.63 mm)	Sqm.	370.00	370.00	259	1,350
b	22 gauge galvanised sheet steel (0.8 mm)	Sqm.	100.00	100.00	70	1,650
2	Supply, fabrication, installation, testing and commissioning of Flexible Canvas constructed of fire resistant double resin sleeve as per the approved shop drawings.	RMT	8.00	8.00	56	500
3	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 sandwiched 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 :					
a	300 mm dia.	Mtr.	-	-	-	2,350
b	200 mm dia.	Mtr.	-	-	-	1,850
c	150 mm dia.	Mtr.	-	-	-	1,450
d	100 mm dia.	Mtr.	-	-	-	1,200
4	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	Sqm.	3.50	3.50	2.45	3,500
5	Supply, installation, testing and commissioning of Fire damper from approved shop drawings, and as per specifications.	Sqm.	-	-	-	-
a	Fire Dampers (Fusible link)	Sqm.	1.50	1.50	105	8,600
						12,900

*Dinesh Talwar*  
08/05/24

6	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.	Sqm.	2.50	2.50 1.075	8,600	21,500
7	Supply, installation, testing and balancing of powder coated extruded Aluminium Exhaust/Return Air Grilles without volume control dampers with adjustable double louvers.	Sqm.	3.50	3.50 2.45	6,500	22,750
8	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.	Sqm.	1.50	1.50 1.05	6,500	9,750
9	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.	Sqm.	1.30	1.30 0.91	6,500	8,450
10	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.	Sqm.	-	-	6,500	-
11	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.	Sqm.	-	-	6,500	-
12	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.	Mtr.	-	-	2,100	-
a	300 mm dia.	Mtr.	-	-	1,800	-
b	200 mm dia.	Mtr.	-	-	1,500	-
c	150 mm dia.	Mtr.	-	-	1,200	-
d	100 mm dia.	Mtr.	-	-	-	-
13	Supply, installation and Testing of Butterfly damper of aluminium sheet construction with two flap with sieve as per the specifications and shop drawings.	-	-	-	-	-
a	300 mm dia.	Mtr.	-	-	2,500	-
b	200 mm dia.	Mtr.	-	-	2,100	-
c	150 mm dia.	Mtr.	-	-	1,650	-
d	100 mm dia.	Mtr.	-	-	1,200	-
14	Air Transfer Grilles	Sqm	1.00	1.00 0.7	7,600	7,600
15	Supply, installation and testing of extruded aluminium powder coated air transfer grilles to be provided at the door of toilets/pantry.	-	-	-	-	-
15.1	THERMAL INSULATION FOR DUCTWORK	-	-	-	-	-
a.	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.	Sqm	-	-	1,500	-
	Insulation thickness/application will be as per approved shop drawing notes.	-	-	-	-	-
	25 mm thick	-	-	-	1,500	-

Dinesh Tshpalm  
08/05/24



Electrostatic section shall be made of 16/18 gauge galvanised sheet, high baked epoxy powder coated, washable type aluminum 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 slide 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.

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.

The Scrubber Machines (EAC) shall be of following duty parameters :

M/c No Capacity (CFM)

No 1.00 1.00 1.00 1.95,000 1.95,000

AS-1 2000  
Supply, Installation, Testing & Commissioning of direct driven TUBEVANE AXIAL FLOW FAN. Vane 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 during & 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.

Description CFM ESP (mm. of wg)

Kitchen Fresh Air 1500 60

No 1.00 1.00 1.95,000 1,95,000

1.2

AIR CURTAIN

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.

A Total Basic  
B Taxes  
C Price [A+B]

16,38,700  
2,94,966  
19,33,666

*Direct - 10/10/2011*  
*08/05/2011*