

























C		G.I.10		Fire Detection and Alarm System	
	a	Supply, installation, testing & commissioning of Conventional Type optical Smoke Detector with inhibit scattered light measurement, rate of rise and fixed temperature based technology and LED indication should be on the centre of the detector with mounting base complete as required.	No.	5	5
	a.1	Supply, installation, testing & commissioning of addressable type smoke Detector with floating sensitivity. Complete with all accessories like base, base box, etc. to be installed under / above false ceiling, roof and concealed space, etc. complete as required.	No.	0	
	b	Supply, installation, testing & commissioning of addressable type Heat Detector (fixed cur-rate of rise type) with fix temperature at 78 o C complete with all fixing accessories like base, base box, etc. to be installed under / above false ceiling, roof and concealed space, etc. complete as required.	No.	0	
	c	Supply, installation, testing & commissioning of conventional Manual Call Point (break glass type) complete with push button enclosed in box with provision of conductible coupling. The unit to be painted fire red outside, while inside and written in case of fire break glass" or as required.	No.	2	2
	c.1	Supply, installation, testing & commissioning of addressable type manual call point (break glass type) complete with push button, enclosed in box with provision for cable or conduit coupling. The unit to be painted fire red outside, while inside and written in case of fire break glass.	No.	0	
	d	Supply, installation, testing & commissioning of Conventional Hooter cum Strobe complete as required. 110 cd light & 85 db adjustable at different locations complete with all fixing accessories etc under false ceiling, roof, wall etc. complete as required.	No.	2	2
	d.1	Supply, installation, testing & commissioning of hooters (Specification :- 110 cd light & 85 db with adjustable DB) at different locations complete with all fixing accessories, etc under false ceiling, roof, wall etc. complete as required.	No.	0	
	e	Supply, installation, testing & commissioning of 2 zone based conventional Fire alarm control panel with standard set complete as required.	Set	1	1
	e.1	Supplying, erecting, testing and commissioning the addressable type Fire Alarm Control Panel (FACP) with standard accessories complete	Set	0	
	f	Supplying and erecting PVC armoured cable 2 core 1.5 sq. mm FRLS copper conductor complete erected on wall / ceiling as per specification	Mtr.	80	75
	z	Supply, installation, testing and commissioning of Hood suppression system (Cafe fire or equivalent).	No.	1	
Sub Total of G.I.10	12.9	Fixing / fitting of following items with necessary arrangements as directed			
	a	Table top fitting	Each	0	
	b	Safety/Runner/Self lock/T Back	Each	4	1
	c	Mopney box Fixing	Each	1	
	d	Air Curtain with all fixing arrangement	Each	2	HOOD HANGING
	e	Suspension & hanging of Exhaust hood from ceiling	Each	1	1
	f	Speaker fitting	Each	6	
	g	Presso Dash	Each	3	
	h	Computer rack	Each	1	
	i	Strip curtain for oven hood	Job	1	1
	j	Strip curtain for cold room	Each	1	MAKELINE FIXING
	k	Makeline SS sink with basener	Yes	2	
	l	Loading/Unloading of truck (Domestic material/equipment)	Nos	2	
	m	Loading/Unloading & disposal of debris (per truck)	Nos	1	
	n	Loading / Unloading of Servo	Each	1	
	o	Water dispenser connection with fittings	Each	0	
	p	Fixing of Provided Extinguisher	Each	6	
	q	Pipe Door Stopper for Makeline Slap Table	Each	2	
	r	Fixing Wall Shelf above Slap Table Sink	Each	4	
	s	Fixing of Tissue Paper Holder /Aluminum Stand	Each	1	
	t	L.T Panel commissioning as per site requirement	Each	1	1
	u	Servo connections as per site requirement	RO	1	
	v	Housekeeping	RO	RO	
	w	Installation of Fresh air and Exhaust Unit	Each	RO	
	x	Sanitizer Stand	Each	RO	
	y	Blitz Fixing with providing mobil and labour charge	Each		
	z	Zigzag Led Light	Each		
	aa	Sensor Tap	Each	39	
	ab	Keyboard and Mouse	Each		
	ac	Fixing of Light Fixtures Provided by JFC (Hood Light in hood vendor scope)	Each		
	ad	Fixing of 1.5 AFT water proof light	Each	0	

Dinesh T. [Signature]  
07/05/24

X











**CCTV RA SHEET**

CCTV SYSTEM		Qty	Unit	RA QTY	SIGN
A	Supply, installation, testing & commissioning of Indoor IP IR Dome camera with minimum specifications 2MP, 1080P resolution @25FPS, 2.8 mm Lens, 15-20m IR distance with Auto ICR, H.264, TDN, HLC/DWDR/BLC, ONVIF Profile S, PoE, 12VDC complete with wall mount bracket and all fitting accessories a per site requirements.	6	Nos.	6.00	✓
1					
2	Supply, installation, testing & commissioning of 8 Channel Network Video Recorder , Multiplex recording schedule options: manual, alarm, motion detection, timing Multiplex operation: live view, record, play back, backup and remotely control the system simultaneously, HDMI and VGA output simultaneously at up to1080P resolutio, H.264 High profile decoding, 2 SATA HDD interface: 4TB storage capacity for each slot, ONVIF 2.0 compliant, Power: DC12V	1	Nos.	1.00	✓
3	Supply Installation of 4 TB HDD complete with all accessories as required Approved Make : Seagate/WD (As per Manufacturer)	1	Nos.	1.00	✓
4	Supply, installation, testing & commissioning of 32" LED Monitor complete with all accessories as required. Make : Samsung/LG	1	Nos.	1.00	✓
5	CPU/Server will be as per Jubilant IT team specification and co-ordinate at site	1	Nos.	1.00	✓

*Done by T. Sripada  
To 25/01/24*



**HVAC High side & Low side works BOQ**  
**Part A- HVAC Low side Works**  
**SITC of HIGH SIDE WORKS**

S/NO	DESCRIPTION	UOM	QTY	Duct Size	Length	Breath	Height	RA Qty	Sign
	<b>Supply of 3000 CFM AHU (ZEEO, EDGETECH, REVENT)</b>								
	SITC of Single Skin GI air handling Unit with 50 mm Static Pressure with Fire retarden canvas, 1.2mm GI base, Fan mounting with Vibration Isolator, Outer Skin: 22 gauge GI Powder Coated. Blower Make: Blawtech/Fanair/Nicotra/Kruger Filters: Aluminium wire mesh pre filter Motor: ABB/Crompton/Siemence/Hindustan Motor Type: IE2, coil having 4 row deep	Nos	1					1	✓
	<b>LOW SIDE WORK</b>								
2	<b>Ducting</b>								
	Supply, fabrication, installation and testing of 120 GSM galvanised GSS sheet metal ducts with insulation in accordance with the approved drawing complete with all accessories, bends, fittings, specials, chutes, vanes, necessary supports etc. as per specification. (Makes- Sall / Tata / Jindal)								
2.1	0.63 MM (24 Gauge) Square Duct	Sqm	70.0	0.65X0.65	7	2.6		18.2	✓
				0.65X0.65	6	2.6		15.6	✓
				0.65X0.65	6	2.6		15.6	✓
				0.65X0.65	6	2.6		15.6	✓
								65	✓
								12.6	✓
2.2	0.8 MM (22 Gauge) Square Duct	Sqm	10.0	0.45X0.45		1.8			✓
3	Duct Insulation Nitrile Rubber	Sqm	80					77.6	✓
4.1	Supply and Installation of MS pipe for Air Handling Unit	Rm	25	AUH FRAME				8	
				SUPPORT FROM TOP				2	
				EXTRA SUPPORT				2	
								18	✓
4.2	Supply and Installation of Ball/Butterfly Valve	Nos	2					2	✓
4.3	Supply and Installation of V-type Strainer	Nos	1					1	✓
4.4	Supply and Installation of flexible Connection for AHU	Nos	2					2	✓
5.1	Supply & Fixing of Supply air Aluminium Extruded Powder Coated Linear Grill with Collor damper with End Flanges in approved RAL Shade	sqm	1.5					1.5	✓
5.2	Supply & Fixing of Return air Aluminium Extruded Powder Coated Linear Grill without Collor damper with End Flanges in approved RAL Shade	sqm	2					2	✓
5.3	Supply & Fixing of Volume Control Collar	sqm	2					2	✓
5.4	Supply and Installation of Fire damper	Nos	1					1	✓
5.5	Control Panel for fire damper								
6	Supply Installation of Canvass connection								

*Dinesh Telpatti*  
 05/05/20



6.1	Canvass connection for AHU/fresh air unit/exhaust air unit /AW/Scrubber Unit to Duct complete work like G.I frame, nut bolts, gasket etc. as per requirement.	Nos.	3						3	✓
7	<b>DRAIN PIPING</b>									
7.1	Supply, installation HDPE condensate drain pipe with necessary fittings, supports, insulation, etc.									
	25 mm dia	Rmt	10						5	✓
8.1	Chilled Water Pipe Insulation	Rmt	25						39	✓
8.2	Pressure Gauge	Nos	2						2	✓
8.3	Temperature Gauge	Nos	2						2	✓
<b>Total Amount Part -A</b>										
<b>Total Amount without tax Part - (A)</b>										

Divesh T. Pathi  
 02/05/24



**DMB**

MATERIAL SPECIFICATION - EACH SECTION USED IN 40X40

SR NO.	POSITION	LOCATION	UNIT	LENGTH	BREATH	HEIGHT	QTY	TOTAL MTR	KSG/MTR	TOTAL KSG
1	VERTICAL FROM CEILING SUPPORT	DMB	METER	1.1			2	2.2	3.45	7.59
2	VERTICAL FOR FRAMING	DMB	METER	0.42			12	5.04	3.45	17.39
3	HORIZONTAL CONNECTING VERTICAL SUPPORT	DMB	METER	0.5			6	3	3.45	10.35
4	HORIZONTAL LONG PIPE	DMB	METER	3.54			3	10.62	3.45	36.64
<b>TOTAL</b>								<b>20.86</b>	<b>3.45</b>	<b>71.97</b>

**LOFT**

MATERIAL SPECIFICATION - 35X6 MM FLAT PATTI, 50X50 MS PIPE

SR NO.	POSITION	LOCATION	UNIT	LENGTH	BREATH	HEIGHT	QTY	TOTAL MTR	KSG/MTR	TOTAL KSG
1	FLAT PATTI	LOFT	METER	1.5			14	21	1.65	34.65
2	50X50 VERTICAL PIPE	LOFT	METER	1.04			4	4.16	4.25	17.68
3	50X50 HORIZONTAL PIPE	LOFT	METER	1.5			2	3	4.25	12.75
4	50X50 LOFT SUPPORT IN CEILING	SUPPORT	METER	0.6			4	2.4	4.25	10.20
<b>TOTAL</b>								<b>30.56</b>		<b>75.28</b>

**FRONT FAÇADE**

SR NO.	POSITION	LOCATION	UNIT	LENGTH	BREATH	HEIGHT	QTY	TOTAL MTR	KSG/MTR	TOTAL KSG
1	50X50 VERTICAL PIPE	FAÇADE LEFT, RIGHT, CENTER	METER			3.94	3	11.82	4.25	50.24
2	40X20 VERTICAL PIPE	GLASS AREA	METER			3	4	12	1.5	18
3	10 MM MS SHEET	FRONT MS SHEET	METER	3.87	0.32		1	1.24	78.5	97.21
4	25X25 ORDER PICKUP SINGAGE SECTION	FRONT SECTION	METER	3.87	0.32		1	1.24	1.84	2.28
5	50X50 TEE HORIZONTAL PIPE	AIRPORT CEILING JOINT	METER	5.148			1	5.148	4.25	21.879
6	15X15 MS PIPE	GLASS BACK SIDE PROTECTION	METER	2.1			2	4.2	1	4.2
7	40X20 HORIZONTAL PIPE	CONTER GLASS BOTTEM	METER	0.56			1	0.56	1.5	0.84
<b>TOTAL</b>										<b>194.65</b>

*Dinesh Toppalli*  
11/05/19/19



**BOH CEILING SECTION**

SR NO.	POSITION	LOCATION	UNIT	LENGTH	BREATH	HEIGHT	QTY	TOTAL MTR	KSG/MTR	TOTAL KSG
1	40X40 VERTICAL PIPE (2'X2') SECTIONS	CEILING	METER	2.1			6	12.6	3.30	41.58
2	40X40 HORIZONTAL PIPE (2'X2') SECTIONS	CEILING	METER	4.2			4	16.8	3.30	55.44
3	CEILING SUPPORT	SUPPORT	METER	0.94			6	5.64	3.30	18.61
<b>TOTAL</b>								<b>35.04</b>		<b>115.63</b>

**COLD STORE CEILING SECTION**

SR NO.	POSITION	LOCATION	UNIT	LENGTH	BREATH	HEIGHT	QTY	TOTAL MTR	KSG/MTR	TOTAL KSG
1	40X40 VERTICAL PIPE (2'X2') SECTIONS	CEILING	METER	4.65			9	41.85	3.45	144.38
2	40X40 HORIZONTAL PIPE (2'X2') SECTIONS	CEILING	METER	2.4			5	12	3.45	41.40
3	CEILING SUPPORT	SUPPORT	METER	0.94			4	3.76	3.45	12.97
4	CEILING DOWN (1 FEET)	SUPPORT	METER	1.21			4	4.84	3.45	16.70
<b>TOTAL</b>								<b>57.61</b>		<b>215.45</b>

**KITCHEN STORE CEILING SECTION**

SR NO.	POSITION	LOCATION	UNIT	LENGTH	BREATH	HEIGHT	QTY	TOTAL MTR	KSG/MTR	TOTAL KSG
1	40X40 VERTICAL PIPE (2'X2') SECTIONS	CEILING	METER	5.14			10	51.4	3.45	177.33
2	40X40 HORIZONTAL PIPE (2'X2') SECTIONS	CEILING	METER	5.36			10	53.6	3.45	184.92
3	CEILING SUPPORT	SUPPORT	METER	6.7			1	6.7	3.45	23.12
4	CEILING SUPPORT TEE JOINT IN AIRPORT GIRDERS	CENTER SUPPORT	METER	0.94			2	1.88	3.45	6.49
5	CEILING SUPPORT ALL SIDE IN AIRPORT GIRDERS	SUPPORT	METER	0.94			6	5.64	33.84	190.86
<b>TOTAL</b>								<b>111.7</b>		<b>582.71</b>

**HOOD SUPPORT**

SR NO.	POSITION	LOCATION	UNIT	LENGTH	BREATH	HEIGHT	QTY	TOTAL MTR	KSG/MTR	TOTAL KSG
1	40X40 VERTICAL PIPE	CEILING IN AIRPOT GIRDERS	METER	0.94			4	3.76	3.30	12.41
2	40X40 HORIZONTAL PIPE	CEILING IN AIRPOT GIRDERS	METER	0.6			4	2.4	3.30	7.92

*Guest Support*  
11/05/24









# Vsas Group

Doc. No.: VSAS/FBT/24-25/03

Date :29/04/2024

Name : DOMINO'S, LUCKNOW AIRPORT

CLIENT : SEMOLINA KITCHEN PVT. LTD.

GST NO.: \_\_\_\_\_

Divesh Tsiipathi

03/05/24

\_\_\_\_\_