

## **13.2 SCHEDULE OF RATES - MEP**

### **Mechanical, Electrical, Plumbing and Sanitary Works**

#### **Preambles for Schedule of Rates**

- 1 Rates are inclusive of delivery, supply, manufacture, installation, overheads (including on and off-site supervisory staff, allowances, consumables, etc.), engineering and administration time, re-production / re-printing of shop drawings, testing and commissioning, maintenance, etc and shall remain valid until the end of the Defects Liability Period.
- 2 Labour rates are applicable to all work between 8.30am and 5.30pm Monday to Saturday inclusive.
- 3 Labour rates for work which must be done between 5.30pm and 12 midnight Monday to Saturday shall be 1.5 times labour rates below. Labour rates for work which must be done between 12 midnight and 8.30am for all Sunday and Public holiday work shall be 2 times labour rates below.

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.1 SCHEDULE OF RATES - MEP (Dayworks)**

			Nov-24	
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE	
<b>1</b>	<b>LABOUR RATES</b>			
1.1	Unskilled Worker	hour	\$	19.00
1.2	Skilled Worker	hour	\$	24.50
1.3	Rigger	hour	\$	24.50
1.4	Pipe Fitter	hour	\$	27.50
1.5	Electrician	hour	\$	28.00
1.6	Welder	hour	\$	30.00
1.7	Licensed Plumber	hour	\$	54.00
1.8	Supervisor / Foreman	hour	\$	30.50
1.9	Technician	hour	\$	32.00
1.10	Drafter/modeler	hour	\$	43.00
1.11	Quantity Surveyor	hour	\$	43.00
1.12	Document Controller	hour	\$	43.00
1.13	Engineer	hour	\$	75.50
1.14	Airfield Engineer	hour	\$	107.50
1.15	Programmer	hour	\$	107.50
1.16	Senior Engineer	hour	\$	86.00
1.17	Site Coordinator	hour	\$	86.00
1.18	Site Manager	hour	\$	107.50
1.19	Qualified Professional (QP)	hour	\$	215.00
1.20	Licensed Electrical Worker (LEW)	hour	\$	200.00
1.20.1	Professional Engineer (Electrical)	hour	\$	215.00
1.20.2	Electrician	hour	\$	28.00
1.20.3	Technician	hour	\$	30.50
1.21	Certified Structural Cable Installer	hour	\$	32.50
1.22	Alarm System Electrician	hour	\$	32.50
1.23	Others (please specify)			
1.23.1		hour		NA
1.23.2		hour		NA
1.23.3		hour		NA

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1</b>	<b>AIR CONDITIONING EQUIPMENT</b>		
	<b>Fan Coil Unit (FCU)</b>		
<b>1.1</b>	Supply and installation of FCU inclusive of thermostat / fan switch or temperature sensor, control wirings, support, secondary drain pan and other associated ancillary accessories.		
<b>1.1.1</b>	<b>Direct Expansion Fan Coil Unit</b>		
<b>1.1.1.1</b>	Wall Mounted		
<b>a</b>	2.6 kW	no	\$ 1,160.00
<b>b</b>	3.5 kW	no	\$ 1,335.00
<b>c</b>	4.5 kW	no	\$ 1,481.50
<b>d</b>	5.3 kW	no	\$ 1,518.50
<b>e</b>	6.4 kW	no	\$ 1,670.00
<b>f</b>	7.8 kW	no	\$ 1,997.50
<b>g</b>	8.8 kW	no	\$ 2,090.50
<b>h</b>	10.3 kW	no	\$ 2,187.50
<b>i</b>	11.8 kW	no	\$ 2,297.50
<b>j</b>	13.0 kW	no	\$ 2,394.50
<b>k</b>	17.1 kW	no	\$ 3,108.50
<b>l</b>	23.5 kW	no	\$ 4,220.00
<b>m</b>	28.2 kW	no	\$ 5,038.50
<b>1.1.1.2</b>	Ceiling Suspended		
<b>a</b>	2.6 kW	no	\$ 1,231.50
<b>b</b>	3.5 kW	no	\$ 1,314.50
<b>c</b>	4.5 kW	no	\$ 1,740.00
<b>d</b>	5.3 kW	no	\$ 1,810.00
<b>e</b>	6.4 kW	no	\$ 2,040.00
<b>f</b>	7.8 kW	no	\$ 2,280.00
<b>g</b>	8.8 kW	no	\$ 2,370.00
<b>h</b>	10.3 kW	no	\$ 2,590.00
<b>i</b>	11.8 kW	no	\$ 2,790.00
<b>j</b>	13.0 kW	no	\$ 3,330.00
<b>k</b>	17.1 kW	no	\$ 3,446.00
<b>l</b>	23.5 kW	no	\$ 4,346.00
<b>m</b>	28.2 kW	no	\$ 4,346.00
<b>MCC</b>	<b>15.5kW</b>		
<b>1.1.1.3</b>	Ceiling Cassette		
<b>a</b>	2.6 kW	no	\$ 1,200.50
<b>b</b>	3.5 kW	no	\$ 1,304.00
<b>c</b>	4.5 kW	no	\$ 1,780.00
<b>d</b>	5.3 kW	no	\$ 1,848.50
<b>e</b>	6.4 kW	no	\$ 1,960.00
<b>f</b>	7.8 kW	no	\$ 2,120.00
<b>g</b>	8.8 kW	no	\$ 2,330.00
<b>h</b>	10.3 kW	no	\$ 2,510.00
<b>i</b>	11.8 kW	no	\$ 2,850.00
<b>j</b>	13.0 kW	no	\$ 3,360.00
<b>k</b>	17.1 kW	no	\$ 3,477.00
<b>l</b>	23.5 kW	no	\$ 4,553.00
<b>m</b>	28.2 kW	no	\$ 4,553.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.1.1.4</b>	Ducted Fan Coil Unit		
<b>1.1.1.4.1</b>	75 Pa External Static Pressure		
<b>a</b>	2.6 kW	no	\$ 1,880.00
<b>b</b>	3.5 kW	no	\$ 2,040.00
<b>c</b>	4.5 kW	no	\$ 2,210.00
<b>d</b>	5.3 kW	no	\$ 2,390.00
<b>e</b>	6.4 kW	no	\$ 2,560.00
<b>f</b>	7.8 kW	no	\$ 2,750.00
<b>g</b>	8.8 kW	no	\$ 3,130.00
<b>h</b>	10.3 kW	no	\$ 3,610.00
<b>i</b>	11.8 kW	no	\$ 3,850.00
<b>j</b>	13.0 kW	no	\$ 4,040.00
<b>k</b>	17.1 kW	no	\$ 4,630.00
<b>l</b>	23.5 kW	no	\$ 6,360.00
<b>m</b>	28.2 kW	no	\$ 7,080.00
<b>1.1.1.4.2</b>	100 Pa External Static Pressure		
<b>a</b>	2.6 kW	no	\$ 2,050.00
<b>b</b>	3.5 kW	no	\$ 2,220.00
<b>c</b>	4.5 kW	no	\$ 2,400.00
<b>d</b>	5.3 kW	no	\$ 2,500.00
<b>e</b>	6.4 kW	no	\$ 2,690.00
<b>f</b>	7.8 kW	no	\$ 3,200.00
<b>g</b>	8.8 kW	no	\$ 3,430.00
<b>h</b>	10.3 kW	no	\$ 3,670.00
<b>i</b>	11.8 kW	no	\$ 3,910.00
<b>j</b>	13.0 kW	no	\$ 4,110.00
<b>k</b>	17.1 kW	no	\$ 4,830.00
<b>l</b>	23.5 kW	no	\$ 6,480.00
<b>m</b>	28.2 kW	no	\$ 7,240.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.1.1.4.3</b>	150 Pa External Static Pressure		
<b>a</b>	2.6 kW	no	\$ 2,140.00
<b>b</b>	3.5 kW	no	\$ 2,320.00
<b>c</b>	4.5 kW	no	\$ 2,500.00
<b>d</b>	5.3 kW	no	\$ 2,700.00
<b>e</b>	6.4 kW	no	\$ 2,810.00
<b>f</b>	7.8 kW	no	\$ 3,180.00
<b>g</b>	8.8 kW	no	\$ 3,370.00
<b>h</b>	10.3 kW	no	\$ 3,620.00
<b>i</b>	11.8 kW	no	\$ 3,870.00
<b>j</b>	13.0 kW	no	\$ 4,180.00
<b>k</b>	17.1 kW	no	\$ 4,810.00
<b>l</b>	23.5 kW	no	\$ 6,950.00
<b>m</b>	28.2 kW	no	\$ 7,720.00
<b>1.1.1.5</b>	Floor Mounted		
<b>a</b>	2.6 kW	no	\$ 2,140.00
<b>b</b>	3.5 kW	no	\$ 2,320.00
<b>c</b>	4.5 kW	no	\$ 2,500.00
<b>d</b>	5.3 kW	no	\$ 2,700.00
<b>e</b>	6.4 kW	no	\$ 2,810.00
<b>f</b>	7.8 kW	no	\$ 3,402.00
<b>g</b>	8.8 kW	no	\$ 3,605.00
<b>h</b>	10.3 kW	no	\$ 3,872.00
<b>i</b>	11.8 kW	no	\$ 4,139.00
<b>j</b>	13.0 kW	no	\$ 4,471.00
<b>k</b>	17.1 kW	no	\$ 5,145.00
<b>l</b>	23.5 kW	no	\$ 7,434.00
<b>m</b>	28.2 kW	no	\$ 7,720.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.2</b>	<b>Condensing Unit (CU)</b> <b>Supply and installation of CU including support, filter dryer, sight glass and other associated ancillary accessories.</b>		
<b>1.2.1</b>	<b>Standard Inverter</b>		
<b>a</b>	Total cooling capacity - 2.6kW	no	\$ 1,340.00
<b>b</b>	Total cooling capacity - 3.5kW	no	\$ 1,630.00
<b>c</b>	Total cooling capacity - 5.3kW	no	\$ 2,350.00
<b>d</b>	Total cooling capacity - 7.0kW	no	\$ 3,140.00
<b>e</b>	Total cooling capacity - 8.8kW	no	\$ 3,199.00
<b>f</b>	Total cooling capacity - 10.3kW	no	\$ 3,527.50
<b>g</b>	Total cooling capacity - 11.8kW	no	\$ 3,901.50
<b>h</b>	Total cooling capacity - 13.0kW	no	\$ 4,449.50
<b>i</b>	Total cooling capacity - 17.1kW	no	\$ 5,484.50
<b>j</b>	Total cooling capacity - 23.5kW	no	\$ 7,502.00
<b>k</b>	Total cooling capacity - 28.2kW	no	\$ 8,982.00
<b>1.2.2</b>	<b>Variable Refrigerant Volume (VRV)</b>		
<b>a</b>	Total cooling capacity - 7.0kW	no	\$ 5,780.00
<b>b</b>	Total cooling capacity - 8.8kW	no	\$ 6,240.00
<b>c</b>	Total cooling capacity - 10.3kW	no	\$ 6,610.00
<b>d</b>	Total cooling capacity - 11.8kW	no	\$ 7,190.00
<b>e</b>	Total cooling capacity - 13.0kW	no	\$ 7,700.00
<b>f</b>	Total cooling capacity - 17.1kW	no	\$ 9,500.00
<b>g</b>	Total cooling capacity - 23.5kW	no	\$ 12,380.00
<b>h</b>	Total cooling capacity - 28.2kW	no	\$ 14,320.00
<b>1.3</b>	<b>Variable Air Volume (VAV) Box</b> <b>Supply and installation of VAV box inclusive of support, controller, control wiring, thermostat and other associated ancillary accessories.</b>		
<b>a</b>	less 750 CMH flow rate	no	\$ 1,120.00
<b>b</b>	750- 1080 CMH flow rate	no	\$ 1,400.00
<b>c</b>	1801 - 1440 CMH flow rate	no	\$ 1,650.00
<b>d</b>	1441 - 1800 CMH flow rate	no	\$ 1,840.00
<b>e</b>	1801 - 2160 CMH flow rate	no	\$ 1,950.00
<b>f</b>	More than 2160 CMH flow rate	no	\$ 2,170.00
<b>1.4</b>	<b>Constant Air Volume (CAV) Box</b> <b>Supply and installation of CAV box inclusive of support, controller, control wiring, thermostat and other associated ancillary accessories.</b>		
<b>a</b>	less 750 CMH flow rate	no	\$ 1,120.00
<b>b</b>	750- 1080 CMH flow rate	no	\$ 1,400.00
<b>c</b>	1801 - 1440 CMH flow rate	no	\$ 1,650.00
<b>d</b>	1441 - 1800 CMH flow rate	no	\$ 1,840.00
<b>e</b>	1801 - 2160 CMH flow rate	no	\$ 1,950.00
<b>f</b>	More than 2160 CMH flow rate	no	\$ 2,170.00

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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2</b>	<b>MECHANICAL VENTILATION</b>		
	<b>Ventilation Fans</b>		
<b>2.1</b>	<b>Supply and installation of mechanical fan inclusive of support, bellmouths, fan guards and all associated ancillary accessories.</b>		
<b>2.1.1</b>	<b>Centrifugal Flow Fan</b>		
<b>2.1.1.1</b>	<b>Normal</b>		
<b>2.1.1.1.1</b>	200 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 1,345.50
<b>b</b>	2,500 CMH	no	\$ 1,850.00
<b>c</b>	3,500 CMH	no	\$ 2,420.00
<b>d</b>	5,000 CMH	no	\$ 3,300.00
<b>e</b>	6,500 CMH	no	\$ 4,017.00
<b>f</b>	8,000 CMH	no	\$ 4,510.00
<b>g</b>	10,000 CMH	no	\$ 5,240.00
<b>h</b>	12,000 CMH	no	\$ 5,830.00
<b>i</b>	15,000 CMH	no	\$ 6,710.00
<b>j</b>	18,000 CMH	no	\$ 7,370.00
<b>k</b>	20,000 CMH	no	\$ 7,450.00
<b>l</b>	25,000 CMH	no	\$ 8,370.00
<b>m</b>	30,000 CMH	no	\$ 8,920.00
<b>n</b>	40,000 CMH	no	\$ 10,390.00
<b>2.1.1.1.2</b>	400 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 1,718.00
<b>b</b>	2,500 CMH	no	\$ 2,214.50
<b>c</b>	3,500 CMH	no	\$ 2,742.50
<b>d</b>	5,000 CMH	no	\$ 3,663.50
<b>e</b>	6,500 CMH	no	\$ 4,300.00
<b>f</b>	8,000 CMH	no	\$ 4,950.00
<b>g</b>	10,000 CMH	no	\$ 5,760.00
<b>h</b>	12,000 CMH	no	\$ 6,400.00
<b>i</b>	15,000 CMH	no	\$ 7,370.00
<b>j</b>	18,000 CMH	no	\$ 8,100.00
<b>k</b>	20,000 CMH	no	\$ 8,180.00
<b>l</b>	25,000 CMH	no	\$ 9,190.00
<b>m</b>	30,000 CMH	no	\$ 9,800.00
<b>n</b>	40,000 CMH	no	\$ 11,410.00
<b>2.1.1.1.3</b>	600 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 2,090.50
<b>b</b>	2,500 CMH	no	\$ 2,597.50
<b>c</b>	3,500 CMH	no	\$ 3,053.00
<b>d</b>	5,000 CMH	no	\$ 3,984.00
<b>e</b>	6,500 CMH	no	\$ 4,853.00
<b>f</b>	8,000 CMH	no	\$ 5,390.00
<b>g</b>	10,000 CMH	no	\$ 6,270.00
<b>h</b>	12,000 CMH	no	\$ 6,987.00
<b>i</b>	15,000 CMH	no	\$ 8,040.00
<b>j</b>	18,000 CMH	no	\$ 8,830.00
<b>k</b>	20,000 CMH	no	\$ 8,920.00
<b>l</b>	25,000 CMH	no	\$ 10,020.00
<b>m</b>	30,000 CMH	no	\$ 10,680.00
<b>n</b>	40,000 CMH	no	\$ 12,440.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.1.1.2</b>	<b>Fire Fighting Essential Fans (2 hrs fire rated for 250C, Class H Motor)</b>		
<b>2.1.1.2.1</b>	<b>200 Pa External Static Pressure, air flow rate:</b>		
<b>a</b>	1,500 CMH	no	\$ 1,086.50
<b>b</b>	2,500 CMH	no	\$ 1,449.00
<b>c</b>	3,500 CMH	no	\$ 1,852.50
<b>d</b>	5,000 CMH	no	\$ 2,411.00
<b>e</b>	6,500 CMH	no	\$ 2,846.00
<b>f</b>	8,000 CMH	no	\$ 3,177.00
<b>g</b>	10,000 CMH	no	\$ 3,560.00
<b>h</b>	12,000 CMH	no	\$ 4,025.50
<b>i</b>	15,000 CMH	no	\$ 4,708.50
<b>j</b>	18,000 CMH	no	\$ 5,288.00
<b>k</b>	20,000 CMH	no	\$ 5,474.00
<b>l</b>	25,000 CMH	no	\$ 6,343.50
<b>m</b>	30,000 CMH	no	\$ 7,016.00
<b>n</b>	40,000 CMH	no	\$ 8,547.50
<b>2.1.1.2.2</b>	<b>400 Pa External Static Pressure, air flow rate:</b>		
<b>a</b>	1,500 CMH	no	\$ 1,190.00
<b>b</b>	2,500 CMH	no	\$ 1,573.00
<b>c</b>	3,500 CMH	no	\$ 1,935.00
<b>d</b>	5,000 CMH	no	\$ 2,525.00
<b>e</b>	6,500 CMH	no	\$ 2,990.50
<b>f</b>	8,000 CMH	no	\$ 3,332.00
<b>g</b>	10,000 CMH	no	\$ 3,735.50
<b>h</b>	12,000 CMH	no	\$ 4,718.50
<b>i</b>	15,000 CMH	no	\$ 5,112.00
<b>j</b>	18,000 CMH	no	\$ 5,546.50
<b>k</b>	20,000 CMH	no	\$ 6,002.00
<b>l</b>	25,000 CMH	no	\$ 6,698.00
<b>m</b>	30,000 CMH	no	\$ 7,357.50
<b>n</b>	40,000 CMH	no	\$ 8,971.50



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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.1.1.2.3</b>	600 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 2,090.50
<b>b</b>	2,500 CMH	no	\$ 2,359.50
<b>c</b>	3,500 CMH	no	\$ 2,577.00
<b>d</b>	5,000 CMH	no	\$ 3,104.50
<b>e</b>	6,500 CMH	no	\$ 3,435.50
<b>f</b>	8,000 CMH	no	\$ 3,622.00
<b>g</b>	10,000 CMH	no	\$ 4,118.50
<b>h</b>	12,000 CMH	no	\$ 4,698.00
<b>i</b>	15,000 CMH	no	\$ 5,267.00
<b>j</b>	18,000 CMH	no	\$ 6,446.50
<b>k</b>	20,000 CMH	no	\$ 6,705.50
<b>l</b>	25,000 CMH	no	\$ 7,388.50
<b>m</b>	30,000 CMH	no	\$ 8,112.50
<b>n</b>	40,000 CMH	no	\$ 9,396.00
<b>2.1.2</b>	<b>Axial Flow Fan</b>		
<b>2.1.2.1</b>	Normal		
<b>2.1.2.1.1</b>	200 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 931.50
<b>b</b>	2,500 CMH	no	\$ 1,262.50
<b>c</b>	3,500 CMH	no	\$ 1,603.00
<b>d</b>	5,000 CMH	no	\$ 2,020.00
<b>e</b>	6,500 CMH	no	\$ 2,390.00
<b>f</b>	8,000 CMH	no	\$ 2,660.00
<b>g</b>	10,000 CMH	no	\$ 2,980.00
<b>h</b>	12,000 CMH	no	\$ 3,370.00
<b>i</b>	15,000 CMH	no	\$ 3,940.00
<b>j</b>	18,000 CMH	no	\$ 4,420.00
<b>k</b>	20,000 CMH	no	\$ 4,580.00
<b>l</b>	25,000 CMH	no	\$ 5,300.00
<b>m</b>	30,000 CMH	no	\$ 5,860.00
<b>n</b>	40,000 CMH	no	\$ 7,140.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.1.2.1.2</b>	400 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 1,014.50
<b>b</b>	2,500 CMH	no	\$ 1,345.50
<b>c</b>	3,500 CMH	no	\$ 1,687.00
<b>d</b>	5,000 CMH	no	\$ 2,194.00
<b>e</b>	6,500 CMH	no	\$ 2,510.00
<b>f</b>	8,000 CMH	no	\$ 2,790.00
<b>g</b>	10,000 CMH	no	\$ 3,237.00
<b>h</b>	12,000 CMH	no	\$ 3,620.00
<b>i</b>	15,000 CMH	no	\$ 4,140.00
<b>j</b>	18,000 CMH	no	\$ 4,640.00
<b>k</b>	20,000 CMH	no	\$ 4,810.00
<b>l</b>	25,000 CMH	no	\$ 5,560.00
<b>m</b>	30,000 CMH	no	\$ 6,150.00
<b>n</b>	40,000 CMH	no	\$ 7,500.00
<b>2.1.2.1.3</b>	600 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 3,110.00
<b>b</b>	2,500 CMH	no	\$ 3,400.00
<b>c</b>	3,500 CMH	no	\$ 3,790.00
<b>d</b>	5,000 CMH	no	\$ 4,190.00
<b>e</b>	6,500 CMH	no	\$ 4,530.00
<b>f</b>	8,000 CMH	no	\$ 4,890.00
<b>g</b>	10,000 CMH	no	\$ 5,110.00
<b>h</b>	12,000 CMH	no	\$ 5,430.00
<b>i</b>	15,000 CMH	no	\$ 5,930.00
<b>j</b>	18,000 CMH	no	\$ 6,400.00
<b>k</b>	20,000 CMH	no	\$ 6,480.00
<b>l</b>	25,000 CMH	no	\$ 7,243.50
<b>m</b>	30,000 CMH	no	\$ 7,827.50
<b>n</b>	40,000 CMH	no	\$ 8,930.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.1.2.2</b>	<b>Fire-rated</b>		
<b>2.1.2.2.1</b>	200 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 2,587.00
<b>b</b>	2,500 CMH	no	\$ 3,000.00
<b>c</b>	3,500 CMH	no	\$ 3,500.00
<b>d</b>	5,000 CMH	no	\$ 4,427.50
<b>e</b>	6,500 CMH	no	\$ 4,922.50
<b>f</b>	8,000 CMH	no	\$ 5,470.00
<b>g</b>	10,000 CMH	no	\$ 6,070.00
<b>h</b>	12,000 CMH	no	\$ 6,927.50
<b>i</b>	15,000 CMH	no	\$ 7,227.50
<b>j</b>	18,000 CMH	no	\$ 7,835.00
<b>k</b>	20,000 CMH	no	\$ 7,935.00
<b>l</b>	25,000 CMH	no	\$ 9,387.50
<b>m</b>	30,000 CMH	no	\$ 10,442.50
<b>n</b>	40,000 CMH	no	\$ 12,970.00
<b>2.1.2.2.2</b>	400 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 3,200.00
<b>b</b>	2,500 CMH	no	\$ 3,800.00
<b>c</b>	3,500 CMH	no	\$ 4,200.00
<b>d</b>	5,000 CMH	no	\$ 5,000.00
<b>e</b>	6,500 CMH	no	\$ 6,000.00
<b>f</b>	8,000 CMH	no	\$ 7,000.00
<b>g</b>	10,000 CMH	no	\$ 7,107.50
<b>h</b>	12,000 CMH	no	\$ 9,500.00
<b>i</b>	15,000 CMH	no	\$ 8,752.50
<b>j</b>	18,000 CMH	no	\$ 11,530.00
<b>k</b>	20,000 CMH	no	\$ 9,952.50
<b>l</b>	25,000 CMH	no	\$ 11,492.50
<b>m</b>	30,000 CMH	no	\$ 12,777.50
<b>n</b>	40,000 CMH	no	\$ 14,905.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.1.2.2.3</b>	600 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 4,000.00
<b>b</b>	2,500 CMH	no	\$ 4,350.00
<b>c</b>	3,500 CMH	no	\$ 4,900.00
<b>d</b>	5,000 CMH	no	\$ 6,000.00
<b>e</b>	6,500 CMH	no	\$ 7,142.50
<b>f</b>	8,000 CMH	no	\$ 7,640.00
<b>g</b>	10,000 CMH	no	\$ 8,240.00
<b>h</b>	12,000 CMH	no	\$ 9,442.50
<b>i</b>	15,000 CMH	no	\$ 9,942.50
<b>j</b>	18,000 CMH	no	\$ 11,335.00
<b>k</b>	20,000 CMH	no	\$ 12,085.00
<b>l</b>	25,000 CMH	no	\$ 13,025.00
<b>m</b>	30,000 CMH	no	\$ 14,227.50
<b>n</b>	40,000 CMH	no	\$ 17,294.00
<b>2.1.3</b>	<b>Jet Fans</b>		
	Supply and installation of mechanical fan inclusive of support, bellmouthss, fan guards and all associated ancilliary accessories (please specify)		
<b>2.1.3.1</b>			
<b>i</b>		no	\$ 1,600.00
<b>ii</b>		no	\$ 1,800.00
<b>iii</b>		no	\$ 2,400.00
<b>2.1.4</b>	<b>Bifurcated Fan</b>		
<b>2.1.4.1</b>	400 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 3,725.50
<b>b</b>	2,500 CMH	no	\$ 4,200.00
<b>c</b>	3,500 CMH	no	\$ 4,800.00
<b>d</b>	5,000 CMH	no	\$ 5,900.00
<b>e</b>	6,500 CMH	no	\$ 6,797.50
<b>f</b>	8,000 CMH	no	\$ 7,445.00
<b>g</b>	10,000 CMH	no	\$ 8,095.00
<b>h</b>	12,000 CMH	no	\$ 9,345.00
<b>i</b>	15,000 CMH	no	\$ 9,870.00
<b>j</b>	18,000 CMH	no	\$ 10,587.50
<b>k</b>	20,000 CMH	no	\$ 11,122.50
<b>l</b>	25,000 CMH	no	\$ 12,245.00
<b>m</b>	30,000 CMH	no	\$ 13,765.00
<b>n</b>	40,000 CMH	no	\$ 15,945.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
	<b>500 Pa External Static Pressure, air flow rate:</b>		
MBC	756 CMH-4,860 CMH	no	
MBC	5,436 CMH-7,848 CMH	no	
MBC	8,280 CMH-11,664 CMH	no	
<b>2.1.4.2</b>	<b>800 Pa External Static Pressure, air flow rate:</b>		
a	1,500 CMH	no	\$ 4,656.50
b	2,500 CMH	no	\$ 5,125.00
c	3,500 CMH	no	\$ 5,900.00
d	5,000 CMH	no	\$ 6,900.00
e	6,500 CMH	no	\$ 7,900.00
f	8,000 CMH	no	\$ 9,000.00
g	10,000 CMH	no	\$ 10,195.00
h	12,000 CMH	no	\$ 11,590.00
i	15,000 CMH	no	\$ 12,240.00
j	18,000 CMH	no	\$ 13,685.00
k	20,000 CMH	no	\$ 14,435.00
l	25,000 CMH	no	\$ 15,230.00
m	30,000 CMH	no	\$ 18,385.00
n	40,000 CMH	no	\$ 20,730.00
MBC	54,240 CMH		
<b>2.1.4.3</b>	<b>1200 Pa External Static Pressure, air flow rate:</b>		
a	1,500 CMH	no	\$ 5,691.50
b	2,500 CMH	no	\$ 6,125.00
c	3,500 CMH	no	\$ 6,900.00
d	5,000 CMH	no	\$ 7,900.00
e	6,500 CMH	no	\$ 8,900.00
f	8,000 CMH	no	\$ 10,500.00
g	10,000 CMH	no	\$ 11,947.50
h	12,000 CMH	no	\$ 13,200.00
i	15,000 CMH	no	\$ 14,200.00
j	18,000 CMH	no	\$ 15,500.00
k	20,000 CMH	no	\$ 17,200.00
l	25,000 CMH	no	\$ 18,500.00
m	30,000 CMH	no	\$ 22,000.00
n	40,000 CMH	no	\$ 24,636.50
<b>2.1.5</b>	<b>Propeller Fan</b>		
a	1,500 CMH	no	\$ 680.00
b	2,500 CMH	no	\$ 1,020.00
c	3,500 CMH	no	\$ 1,300.00
d	5,000 CMH	no	\$ 1,690.00
e	6,500 CMH	no	\$ 2,000.00
f	8,000 CMH	no	\$ 2,230.00
g	10,000 CMH	no	\$ 2,500.00
h	12,000 CMH	no	\$ 2,660.00
i	15,000 CMH	no	\$ 2,900.00
<b>2.1.6</b>	<b>Window Mounted Exhaust Fan complete with shutters, air flow rate:</b>		
a	500 CMH	no	\$ 725.00
b	1,000 CMH	no	\$ 1,500.00
c	1,500 CMH	no	\$ 2,300.00
d	2,000 CMH	no	\$ 3,200.00
e	2,500 CMH	no	\$ 3,850.00
f	3,000 CMH	no	\$ 4,500.00
g	3,500 CMH	no	\$ 5,000.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.1.7</b>	<b>Smoke Extract Fan</b>		
<b>2.1.7.1</b>	200 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 2,587.00
<b>b</b>	2,500 CMH	no	\$ 2,950.00
<b>c</b>	3,500 CMH	no	\$ 3,500.00
<b>d</b>	5,000 CMH	no	\$ 4,325.00
<b>e</b>	6,500 CMH	no	\$ 4,900.00
<b>f</b>	8,000 CMH	no	\$ 5,600.00
<b>g</b>	10,000 CMH	no	\$ 6,400.00
<b>h</b>	12,000 CMH	no	\$ 6,925.00
<b>i</b>	15,000 CMH	no	\$ 7,575.00
<b>j</b>	18,000 CMH	no	\$ 9,300.00
<b>k</b>	20,000 CMH	no	\$ 9,500.00
<b>l</b>	25,000 CMH	no	\$ 11,300.00
<b>m</b>	30,000 CMH	no	\$ 12,500.00
<b>n</b>	40,000 CMH	no	\$ 14,500.00
<b>2.1.7.2</b>	400 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 3,192.50
<b>b</b>	2,500 CMH	no	\$ 3,800.00
<b>c</b>	3,500 CMH	no	\$ 4,175.00
<b>d</b>	5,000 CMH	no	\$ 4,600.00
<b>e</b>	6,500 CMH	no	\$ 5,600.00
<b>f</b>	8,000 CMH	no	\$ 6,300.00
<b>g</b>	10,000 CMH	no	\$ 6,975.00
<b>h</b>	12,000 CMH	no	\$ 7,575.00
<b>i</b>	15,000 CMH	no	\$ 10,550.00
<b>j</b>	18,000 CMH	no	\$ 11,530.00
<b>k</b>	20,000 CMH	no	\$ 12,300.00
<b>l</b>	25,000 CMH	no	\$ 14,600.00
<b>m</b>	30,000 CMH	no	\$ 16,000.00
<b>n</b>	40,000 CMH	no	\$ 17,200.00
<b>2.1.7.3</b>	600 Pa External Static Pressure, air flow rate:		
<b>a</b>	1,500 CMH	no	\$ 4,000.00
<b>b</b>	2,500 CMH	no	\$ 4,250.00
<b>c</b>	3,500 CMH	no	\$ 4,660.00
<b>d</b>	5,000 CMH	no	\$ 5,800.00
<b>e</b>	6,500 CMH	no	\$ 6,400.00
<b>f</b>	8,000 CMH	no	\$ 6,800.00
<b>g</b>	10,000 CMH	no	\$ 7,425.00
<b>h</b>	12,000 CMH	no	\$ 10,500.00
<b>i</b>	15,000 CMH	no	\$ 11,500.00
<b>j</b>	18,000 CMH	no	\$ 12,400.00
<b>k</b>	20,000 CMH	no	\$ 13,900.00
<b>l</b>	25,000 CMH	no	\$ 15,000.00
<b>m</b>	30,000 CMH	no	\$ 16,300.00
<b>n</b>	40,000 CMH	no	\$ 18,500.00
<b>MBC</b>	28,800 CMH		
<b>MBC</b>	32,400 CMH		
<b>MBC</b>	64,800 CMH		

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>3</b>	<b>DUCTWORK AND INSULATION</b>		
<b>3.1</b>	<b>Ductwork</b>		
<b>3.1.1</b>	<b>Rectangular Ductwork</b>		
<b>3.1.1.1</b>	Galvanised Steel without insulation		
a	Gauge 26 SWG (0.5 mm)	m2	\$ 64.00
b	Gauge 24 SWG (0.6 mm)	m2	\$ 67.50
c	Gauge 22 SWG (0.75 mm)	m2	\$ 78.00
d	Gauge 20 SWG (0.9 mm)	m2	\$ 88.00
e	Gauge 18 SWG (1.2 mm)	m2	\$ 96.00
f	Gauge 16 SWG (1.5 mm)	m2	\$ 114.00
<b>3.1.1.2</b>	Stainless Steel 316 without insulation		
a	Gauge 26 SWG (0.5 mm)	m2	\$ 156.50
b	Gauge 24 SWG (0.6 mm)	m2	\$ 184.50
c	Gauge 22 SWG (0.75 mm)	m2	\$ 222.50
d	Gauge 20 SWG (0.9 mm)	m2	\$ 263.00
e	Gauge 18 SWG (1.2 mm)	m2	\$ 298.50
f	Gauge 16 SWG (1.5 mm)	m2	\$ 336.50
<b>3.1.1.3</b>	Stainless Steel 304 without insulation		
a	Gauge 26 SWG (0.5 mm)	m2	\$ 131.50
b	Gauge 24 SWG (0.6 mm)	m2	\$ 155.50
c	Gauge 22 SWG (0.75 mm)	m2	\$ 186.50
d	Gauge 20 SWG (0.9 mm)	m2	\$ 220.50
e	Gauge 18 SWG (1.2 mm)	m2	\$ 250.50
f	Gauge 16 SWG (1.5 mm)	m2	\$ 281.50
<b>3.1.2</b>	<b>Circular Ductwork</b>		
<b>3.1.2.1</b>	Circular duct without insulation		
a	Up to 300mm	m	\$ 43.50
b	301 to 450mm	m	\$ 56.00
c	451 to 750mm	m	\$ 114.00
d	751 to 1000mm	m	\$ 150.50
e	1001 to 1200mm	m	\$ 222.50
f	1201 to 1500mm	m	\$ 270.50
g	1501 to 2100mm	m	\$ 412.00
h	2101 to 2400mm	m	\$ 376.00
i	Over 2400mm	m	\$ 450.50
<b>3.1.2.2</b>	Flexible duct with insulation		
a	150mm dia	m	\$ 20.00
b	175mm dia	m	\$ 22.00
c	200mm dia	m	\$ 24.00
d	225mm dia	m	\$ 26.00
e	250mm dia	m	\$ 27.00
f	300mm dia	m	\$ 29.00
g	350mm dia	m	\$ 34.50
h	400mm dia	m	\$ 38.50
i	450mm dia	m	\$ 42.50
j	500mm dia	m	\$ 53.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>3.1.3</b>	<b>Access Panel</b> <b>Access panel for ducts complete with gaskets, hinges, sash locks etc</b>		
<b>a</b>	600mm x 300mm; uninsulated	no.	\$ 110.00
<b>b</b>	600mm x 450mm; uninsulated	no.	\$ 113.50
<b>c</b>	600mm x 600mm; uninsulated	no.	\$ 114.00
<b>d</b>	600mm x 300mm; insulated	no.	\$ 114.00
<b>e</b>	600mm x 450mm; insulated	no.	\$ 121.50
<b>f</b>	600mm x 600mm; insulated	no.	\$ 123.50
<b>3.2</b>	<b>Insulation Inclusive of vapour barrier and fixing pins</b>		
<b>3.2.1</b>	<b>Internal Insulation / Lining</b>		
<b>a</b>	25mm thick - 48 kg/m <sup>3</sup> in duct	m2	\$ 44.50
<b>b</b>	25mm thick - 64 kg/m <sup>3</sup> in duct	m2	\$ 43.00
<b>c</b>	50mm thick - 48 kg/m <sup>3</sup> in duct	m2	\$ 52.00
<b>d</b>	50mm thick - 64 kg/m <sup>3</sup> in duct	m2	\$ 52.00
<b>e</b>	50mm thick - 84 kg/m <sup>3</sup> in duct	m2	\$ 64.50
<b>f</b>	50mm thick - 120 kg/m <sup>3</sup> in duct	m2	\$ 64.50
<b>g</b>	75mm thick - 60 kg/m <sup>3</sup> in duct	m2	\$ 83.00
<b>h</b>	75mm thick - 80 kg/m <sup>3</sup> in duct	m2	\$ 83.00
<b>i</b>	100mm thick - 48 kg/m <sup>3</sup> in duct	m2	\$ 114.00
<b>j</b>	100mm thick - 100 kg/m <sup>3</sup> in duct	m2	\$ 114.00
<b>3.2.2</b>	<b>External Insulation</b>		
<b>a</b>	25mm thick - 48 kg/m <sup>3</sup> in duct	m2	\$ 38.00
<b>b</b>	25mm thick - 64 kg/m <sup>3</sup> in duct	m2	\$ 38.00
<b>c</b>	50mm thick - 48 kg/m <sup>3</sup> in duct	m2	\$ 42.00
<b>d</b>	50mm thick - 64 kg/m <sup>3</sup> in duct	m2	\$ 43.50
<b>e</b>	50mm thick - 84 kg/m <sup>3</sup> in duct	m2	\$ 56.00
<b>f</b>	50mm thick - 120 kg/m <sup>3</sup> in duct	m2	\$ 56.00
<b>g</b>	75mm thick - 60 kg/m <sup>3</sup> in duct	m2	\$ 75.00
<b>h</b>	75mm thick - 80 kg/m <sup>3</sup> in duct	m2	\$ 75.00
<b>i</b>	100mm thick - 48 kg/m <sup>3</sup> in duct	m2	\$ 95.50
<b>j</b>	100mm thick - 100 kg/m <sup>3</sup> in duct	m2	\$ 95.50
<b>3.3</b>	<b>Fire-Rated Material</b>		
<b>a</b>	1 hr rated	m2	\$ 155.50
<b>b</b>	2 hr rated	m2	\$ 181.00
<b>c</b>	4 hr rated	m2	\$ 250.00
<b>3.4</b>	<b>Plastering</b>	m2	\$ 26.00
<b>3.5</b>	<b>Painting</b>	m2	\$ 16.00
<b>4</b>	<b>DAMPERS</b> <b>Supply and installation of damper inclusive of frame and other associated ancillary accessories.</b>		
<b>4.1</b>	<b>Fire Damper</b>		
<b>4.1.1</b>	<b>Wall-Mounted Type, 2 hr [wall thickness up to 200mm]</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 3,922.00
<b>b</b>	Area 0.21 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 1,387.00
<b>c</b>	Area 0.51 m <sup>2</sup> to 1.0 m <sup>2</sup>	m2	\$ 1,200.00
<b>d</b>	Area 1.01 m <sup>2</sup> to 1.5 m <sup>2</sup>	m2	\$ 1,200.00



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>4.1.2</b>	<b>Wall-Mounted Type, 4 hr [wall thickness up to 200mm]</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup> (Minimum FD Size : 150x150mm)	m2	\$ 5,200.00
<b>b</b>	Area 0.21 m <sup>2</sup> to 0.5 m <sup>2</sup> (From FD Size : 151x151mm to 450x450mm)	m2	\$ 2,050.00
<b>c</b>	Area 0.51 m <sup>2</sup> to 1.0 m <sup>2</sup> (From FD Size : 451x451mm to 700x700mm)	m2	\$ 1,600.00
<b>d</b>	Area 1.01 m <sup>2</sup> to 1.5 m <sup>2</sup> (From FD Size : 701x701mm to 1000x1000mm)	m2	\$ 1,300.00
<b>e</b>	Area 1.51 m <sup>2</sup> to 2.25 m <sup>2</sup> (From FD Size : 1001x1001mm to 1500x1500mm)	m2	\$ 1,100.00
MCC	(FD Size : 1000x300mm)	m2	
MCC	(FD Size : 1000x350mm)	m2	
MCC	(FD Size : 1200x300mm)	m2	
MCC	(FD Size : 1200x450mm)	m2	
<b>4.1.3</b>	<b>Floor-Mounted Type, 2 hr [wall thickness up to 200mm]</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 6,442.00
<b>b</b>	Area 0.21 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 1,595.00
<b>c</b>	Area 0.51 m <sup>2</sup> to 1.0 m <sup>2</sup>	m2	\$ 1,346.00
<b>d</b>	Area 1.01 m <sup>2</sup> to 1.5 m <sup>2</sup>	m2	\$ 993.00
<b>4.1.4</b>	<b>Floor-Mounted Type, 4 hr [wall thickness up to 200mm]</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup> (Minimum FD Size : 150 x 150mm)	m2	\$ 7,000.00
<b>b</b>	Area 0.21 m <sup>2</sup> to 0.5 m <sup>2</sup> (From FD Size : 151 x 151mm to 450 x 450mm)	m2	\$ 2,280.00
<b>c</b>	Area 0.51 m <sup>2</sup> to 1.0 m <sup>2</sup> (From FD Size : 451 x 451mm to 700 x 700mm)	m2	\$ 1,780.00
<b>d</b>	Area 1.01 m <sup>2</sup> to 1.5 m <sup>2</sup> (From FD Size : 701 x 701mm to 1000 x 1000mm)	m2	\$ 1,440.00
<b>e</b>	Area 1.51 m <sup>2</sup> to 2.25 m <sup>2</sup> (From FD Size : 1001 x 1001mm to 1500 x 1500mm)	m2	\$ 1,220.00
MCC	(FD Size : 1000x300mm)	m2	
MCC	(FD Size : 1000x350mm)	m2	
MCC	(FD Size : 1200x300mm)	m2	
MCC	(FD Size : 1200x450mm)	m2	
<b>4.2</b>	<b>Motorised Damper</b>		
	<b>Motorised dampers complete with motors and actuators</b>		
<b>4.2.1</b>	<b>Open/Close Type</b>		
<b>a</b>	Area up to 0.36 m <sup>2</sup> (From Damper Size : 151 x 151mm to 600 x 600mm)	m2	\$ 2,500.00
<b>b</b>	Area 0.37 m <sup>2</sup> to 1.32 m <sup>2</sup> (From Damper Size : 601 x 601mm to 1150 x 1150mm)	m2	\$ 1,400.00
<b>c</b>	Area 1.33 m <sup>2</sup> to 2.25 m <sup>2</sup> (From Damper Size : 1151 x 1151mm to 1500 x 1500mm)	m2	\$ 1,280.00
MCC	Less than 0.36 m <sup>2</sup> (Damper Size : less than 150 x 150mm)	m2	
MCC	(Damper Size : 800x300mm)	m2	

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>4.2.2</b>	<b>Modulating Type</b>		
<b>a</b>	Area up to 0.36 m <sup>2</sup> (From Damper Size : 151 x 151mm to 600 x 600mm)	m2	\$ 4,500.00
<b>b</b>	Area 0.37 m <sup>2</sup> to 1.32 m <sup>2</sup> (From Damper Size : 601 x 601mm to 1150 x 1150mm)	m2	\$ 1,800.00
<b>c</b>	Area 1.33 m <sup>2</sup> to 2.25 m <sup>2</sup> (From Damper Size : 1151 x 1151mm to 1500 x 1500mm)	m2	\$ 1,600.00
<b>4.2.3</b>	<b>Smoke Damper</b>		
<b>a</b>	Area up to 0.36 m <sup>2</sup> (From MSD Size : 301 x 301mm to 600 x 600mm)	m2	\$ 5,000.00
<b>b</b>	Area 0.37 m <sup>2</sup> to 0.81 m <sup>2</sup> (From MSD Size : 601 x 601mm to 900 x 900mm)	m2	\$ 6,500.00
<b>c</b>	Area 0.82 m <sup>2</sup> to 1.44 m <sup>2</sup> (From MSD Size : 901 x 901mm to 1200 x 1200mm)	m2	\$ 7,500.00
<b>4.3</b>	<b>Volume Control Damper (c/w manual lever)</b>		
<b>a</b>	Area 0.36 m <sup>2</sup> (From Damper Size : 151 x 151mm to 600 x 600mm)	m2	\$ 700.00
<b>b</b>	Area 0.37 m <sup>2</sup> to 1.32 m <sup>2</sup> (From Damper Size : 601 x 601mm to 1150 x 1150mm)	m2	\$ 850.00
<b>c</b>	Area 1.33 m <sup>2</sup> to 2.25 m <sup>2</sup> (From Damper Size : 1151 x 1151mm to 1500 x 1500mm)	m2	\$ 850.00
<b>MCC</b>	<b>No size indicated</b>	<b>m2</b>	
<b>4.4</b>	<b>Non-Return Damper</b>		
<b>a</b>	Area up to 0.5 m <sup>2</sup> (From NRD Size : 151 x 151mm to 450 x 450mm)	m2	\$ 2,200.00
<b>b</b>	Area 0.51 m <sup>2</sup> to 1.0 m <sup>2</sup> (From NRD Size : 451 x 451mm to 700 x 700mm)	m2	\$ 2,500.00
<b>c</b>	Area 1.01 m <sup>2</sup> to 1.5 m <sup>2</sup> (From NRD Size : 701 x 701mm to 1000 x 1000mm)	m2	\$ 3,000.00
<b>d</b>	Area 1.51 m <sup>2</sup> to 2.25 m <sup>2</sup> (From NRD Size : 1001 x 1001mm to 1500 x 1500mm)	m2	\$ 3,000.00
<b>5</b>	<b>DIFFUSERS, GRILLES, REGISTERS &amp; LOUVERS</b>		
	<b>Grilles and Register</b>		
<b>5.1</b>	<b>Supply and installation of grilles and registers inclusive of associated ancillary accessories</b>		
<b>5.1.1</b>	<b>Fixed Blade c/w VCD</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 1,930.00
<b>b</b>	Area 0.2 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 640.00
<b>c</b>	Area larger than 0.5 m <sup>2</sup>	m2	\$ 400.00
<b>5.1.2</b>	<b>Fixed Blade w/o VCD</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 1,610.00
<b>b</b>	Area 0.2 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 470.00
<b>c</b>	Area larger than 0.5 m <sup>2</sup>	m2	\$ 320.00
<b>5.1.3</b>	<b>Single Deflection c/w VCD</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 1,930.00
<b>b</b>	Area 0.2 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 640.00
<b>c</b>	Area larger than 0.5 m <sup>2</sup>	m2	\$ 400.00
<b>5.1.4</b>	<b>Double Deflection c/w VCD</b>		

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 2,240.00
<b>b</b>	Area 0.2 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 820.00
<b>c</b>	Area larger than 0.5 m <sup>2</sup>	m2	\$ 510.00
<b>5.1.5</b>	<b>Egg Crate w/o VCD</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 1,610.00
<b>b</b>	Area 0.2 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 470.00
<b>c</b>	Area larger than 0.5 m <sup>2</sup>	m2	\$ 259.00
<b>5.2</b>	<b>Diffuser</b>		
<b>5.2.1</b>	<b>4-Ways Square Diffuser</b>		
<b>a</b>	150 x 150 mm	no	\$ 300.00
<b>b</b>	200 x 200 mm	no	\$ 300.00
<b>c</b>	250 x 250 mm	no	\$ 350.00
<b>d</b>	300 x 300 mm	no	\$ 350.00
<b>e</b>	350 x 350 mm	no	\$ 350.00
<b>f</b>	400 x 400 mm	no	\$ 450.00
<b>g</b>	450 x 450 mm	no	\$ 450.00
<b>h</b>	500 x 500 mm	no	\$ 450.00
<b>i</b>	550 x 550 mm	no	\$ 450.00
<b>j</b>	600 x 600 mm	no	\$ 500.00
<b>MCC</b>	800 x 800 mm (Single Defection Grill)	no	
<b>MCC</b>	1000 x 300 mm	no	
<b>MCC</b>	1000 x 350 mm	no	
<b>MCC</b>	1200 x 400 mm	no	
<b>MCC</b>	1200 x 450 mm	no	
<b>MCC</b>	1600 x 600 mm	no	
<b>MCC</b>	500 x 500 mm (c/w VCD)	no	
<b>5.3</b>	<b>Circular Ceiling Air Diffuser</b>		
<b>a</b>	ø250 mm	no	\$ 290.00
<b>b</b>	ø300 mm	no	\$ 360.00
<b>c</b>	ø400 mm	no	\$ 400.00
<b>d</b>	ø450 mm	no	\$ 440.00
<b>e</b>	ø500 mm	no	\$ 480.00
<b>f</b>	ø600 mm	no	\$ 560.00
<b>g</b>	ø750 mm	no	\$ 580.00
<b>5.4</b>	<b>Jet Diffuser</b>		
<b>a</b>	ø250 mm	no	\$ 228.00
<b>b</b>	ø300 mm	no	\$ 290.00
<b>c</b>	ø400 mm	no	\$ 404.00
<b>d</b>	ø450 mm	no	\$ 476.00
<b>e</b>	ø500 mm	no	\$ 559.00
<b>f</b>	ø600 mm	no	\$ 704.00
<b>g</b>	ø750 mm	no	\$ 990.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.5</b>	<b>Linear Diffusers</b>		
<b>5.5.1</b>	<b>Without Plenum Box (For return air and dummy)</b>		
<b>5.5.1.1</b>	20mm slot width		
<b>5.5.1.1.1</b>	1 slot		
a	600mm	no	\$ 180.00
b	900mm	no	\$ 210.00
c	1200mm	no	\$ 260.00
d	1500mm	no	\$ 300.00
<b>5.5.1.1.2</b>	2 slot		
a	600mm	no	\$ 200.00
b	900mm	no	\$ 230.00
c	1200mm	no	\$ 290.00
d	1500mm	no	\$ 330.00
<b>5.5.1.1.3</b>	3 slot		
a	600mm	no	\$ 250.00
b	900mm	no	\$ 280.00
c	1200mm	no	\$ 328.00
d	1500mm	no	\$ 368.00
<b>5.5.1.1.4</b>	4 slot		
a	600mm	no	\$ 300.00
b	900mm	no	\$ 350.00
c	1200mm	no	\$ 390.00
d	1500mm	no	\$ 420.00
<b>5.5.1.2</b>	25mm slot width		
<b>5.5.1.2.1</b>	1 slot		
a	600mm	no	\$ 420.00
b	900mm	no	\$ 500.00
c	1200mm	no	\$ 590.00
d	1500mm	no	\$ 670.00
<b>5.5.1.2.2</b>	2 slot		
a	600mm	no	\$ 500.00
b	900mm	no	\$ 590.00
c	1200mm	no	\$ 670.00
d	1500mm	no	\$ 750.00
<b>5.5.1.2.3</b>	3 slot		
a	600mm	no	\$ 550.00
b	900mm	no	\$ 600.00
c	1200mm	no	\$ 720.00
d	1500mm	no	\$ 760.00
<b>5.5.1.2.4</b>	4 slot		
a	600mm	no	\$ 670.00
b	900mm	no	\$ 750.00
c	1200mm	no	\$ 840.00
d	1500mm	no	\$ 920.00
<b>5.5.2</b>	<b>Inclusive of Plenum Box</b>		
<b>5.5.2.1</b>	20mm slot width		
<b>5.5.2.1.1</b>	1 slot		
a	600mm	no	\$ 220.00
b	900mm	no	\$ 240.00
c	1200mm	no	\$ 300.00
d	1500mm	no	\$ 350.00
<b>5.5.2.1.2</b>	2 slot		

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
a	600mm	no	\$ 300.00
b	900mm	no	\$ 340.00
c	1200mm	no	\$ 400.00
d	1500mm	no	\$ 450.00
<b>5.5.2.1.3</b>	3 slot		
a	600mm	no	\$ 400.00
b	900mm	no	\$ 480.00
c	1200mm	no	\$ 530.00
d	1500mm	no	\$ 620.00
<b>5.5.2.1.4</b>	4 slot		
a	600mm	no	\$ 480.00
b	900mm	no	\$ 580.00
c	1200mm	no	\$ 640.00
d	1500mm	no	\$ 700.00
<b>5.5.2.2</b>	25mm slot width		
<b>5.5.2.2.1</b>	1 slot		
a	600mm	no	\$ 420.00
b	900mm	no	\$ 500.00
c	1200mm	no	\$ 590.00
d	1500mm	no	\$ 670.00
<b>5.5.2.2.2</b>	2 slot		
a	600mm	no	\$ 500.00
b	900mm	no	\$ 590.00
c	1200mm	no	\$ 670.00
d	1500mm	no	\$ 750.00
<b>5.5.2.2.3</b>	3 slot		
a	600mm	no	\$ 580.00
b	900mm	no	\$ 650.00
c	1200mm	no	\$ 770.00
d	1500mm	no	\$ 820.00
<b>5.5.2.2.4</b>	4 slot		
a	600mm	no	\$ 670.00
b	900mm	no	\$ 750.00
c	1200mm	no	\$ 840.00
d	1500mm	no	\$ 920.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.6</b>	<b>Linear Bar Grille</b>		
<b>5.6.1</b>	<b>Without Plenum Box</b>		
<b>a</b>	50 mm	m	\$ 190.00
<b>b</b>	75 mm	m	\$ 210.00
<b>c</b>	100 mm	m	\$ 230.00
<b>d</b>	125 mm	m	\$ 240.00
<b>e</b>	150 mm	m	\$ 270.00
<b>f</b>	175 mm	m	\$ 280.00
<b>g</b>	200 mm	m	\$ 310.00
<b>h</b>	225 mm	m	\$ 340.00
<b>i</b>	250 mm	m	\$ 380.00
<b>j</b>	275 mm	m	\$ 420.00
<b>k</b>	300 mm	m	\$ 460.00
<b>5.6.2</b>	<b>Inclusive of Plenum Box</b>		
<b>a</b>	50 mm	m	\$ 340.00
<b>b</b>	75 mm	m	\$ 380.00
<b>c</b>	100 mm	m	\$ 420.00
<b>d</b>	125 mm	m	\$ 430.00
<b>e</b>	150 mm	m	\$ 470.00
<b>f</b>	175 mm	m	\$ 500.00
<b>g</b>	200 mm	m	\$ 530.00
<b>h</b>	225 mm	m	\$ 580.00
<b>i</b>	250 mm	m	\$ 640.00
<b>j</b>	275 mm	m	\$ 700.00
<b>k</b>	300 mm	m	\$ 770.00
<b>5.7</b>	<b>External Louvers Inclusive of Insect Screen</b>		
<b>5.7.1</b>	<b>External Non-Weatherproof Louvers</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 2,000.00
<b>b</b>	Area 0.2 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 642.50
<b>c</b>	Area larger than 0.5 m <sup>2</sup>	m2	\$ 507.50
<b>5.7.2</b>	<b>External Weatherproof Louvers</b>		
<b>a</b>	Area less than 0.2 m <sup>2</sup>	m2	\$ 2,140.00
<b>b</b>	Area 0.2 m <sup>2</sup> to 0.5 m <sup>2</sup>	m2	\$ 690.00
<b>c</b>	Area larger than 0.5 m <sup>2</sup>	m2	\$ 548.50
<b>MCC</b>	250mm x 250mm	m2	
<b>MCC</b>	300mm x 300mm	m2	
<b>6</b>	<b>AIR CURTAIN</b>		
<b>6.1</b>	<b>Supply and installation of air curtain including support and all associated ancilliary accessories</b>		
<b>a</b>	900mm	no	\$ 1,200.00
<b>b</b>	1200mm	no	\$ 1,500.00
<b>c</b>	1500mm	no	\$ 1,800.00
<b>d</b>	1800mm	no	\$ 2,000.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>7</b>	<b>PIPEWORK AND INSULATION</b>		
	<b>Pipework</b>		
<b>7.1</b>	<b>Supply and installation of pipes inclusive of all necessary fittings, brackets, bends, elbows, hangers, supports, wall chasing, painting etc</b>		
<b>7.1.1</b>	<b>Condenser Water Pipe</b>		
<b>7.1.1.1</b>	<b>Galvanised Steel Medium Gauge</b>		
<b>a</b>	ø20 mm	m	\$ 70.50
<b>b</b>	ø25 mm	m	\$ 78.00
<b>c</b>	ø32 mm	m	\$ 83.00
<b>d</b>	ø40 mm	m	\$ 100.50
<b>e</b>	ø50 mm	m	\$ 123.50
<b>f</b>	ø65 mm	m	\$ 142.00
<b>g</b>	ø80 mm	m	\$ 205.00
<b>h</b>	ø100 mm	m	\$ 232.00
<b>i</b>	ø150 mm	m	\$ 338.50
<b>j</b>	ø200 mm	m	\$ 360.00
<b>k</b>	ø250 mm	m	\$ 382.00
<b>l</b>	ø300 mm	m	\$ 410.00
<b>m</b>	ø350 mm	m	\$ 428.00
<b>n</b>	ø400 mm	m	\$ 437.00
<b>o</b>	ø450 mm	m	\$ 473.00
<b>p</b>	ø500 mm	m	\$ 491.00
<b>q</b>	ø600 mm	m	\$ 510.00
<b>r</b>	ø700 mm	m	\$ 537.00
<b>s</b>	ø800 mm	m	\$ 637.00
<b>7.1.1.2</b>	<b>Galvanised Steel Heavy Gauge</b>		
<b>a</b>	ø20 mm	m	\$ 75.00
<b>b</b>	ø25 mm	m	\$ 88.00
<b>c</b>	ø32 mm	m	\$ 102.50
<b>d</b>	ø40 mm	m	\$ 111.00
<b>e</b>	ø50 mm	m	\$ 139.00
<b>f</b>	ø65 mm	m	\$ 160.50
<b>g</b>	ø80 mm	m	\$ 221.50
<b>h</b>	ø100 mm	m	\$ 259.00
<b>i</b>	ø150 mm	m	\$ 352.00
<b>j</b>	ø200 mm	m	\$ 364.00
<b>k</b>	ø250 mm	m	\$ 382.00
<b>l</b>	ø300 mm	m	\$ 396.00
<b>m</b>	ø350 mm	m	\$ 410.00
<b>n</b>	ø400 mm	m	\$ 473.00
<b>o</b>	ø450 mm	m	\$ 501.00
<b>p</b>	ø500 mm	m	\$ 564.00
<b>q</b>	ø600 mm	m	\$ 592.00
<b>r</b>	ø700 mm	m	\$ 610.00
<b>s</b>	ø800 mm	m	\$ 619.00
<b>7.1.2</b>	<b>Refrigerant Copper Pipe</b>		
	<b>Refrigerant copper pipe c/w insulation &amp; trunking</b>		
<b>a</b>	ø11 mm	m	\$ 80.00
<b>b</b>	ø15 mm	m	\$ 92.00
<b>c</b>	ø25 mm	m	\$ 105.00
<b>d</b>	ø32 mm	m	\$ 120.00
<b>e</b>	ø40 mm	m	\$ 180.00
<b>f</b>	ø50 mm	m	\$ 220.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>MCC</b>	<b>ø20 mm</b>		
<b>7.1.3</b>	<b>Condensate Drain Pipe</b> <b>Condensate drain pipe with Insulation Inclusive of support and all other associated ancillary accessories</b>		
<b>7.1.3.1</b>	Galvanised Steel		
<b>a</b>	ø20 mm	m	\$ 50.00
<b>b</b>	ø25 mm	m	\$ 53.00
<b>c</b>	ø32 mm	m	\$ 58.00
<b>d</b>	ø40 mm	m	\$ 65.00
<b>e</b>	ø50 mm	m	\$ 80.00
<b>f</b>	ø65 mm	m	\$ 95.00
<b>g</b>	ø80 mm	m	\$ 120.00
<b>h</b>	ø100 mm	m	\$ 161.00
<b>i</b>	ø150 mm	m	\$ 214.00
<b>7.1.3.2</b>	Copper		
<b>a</b>	ø20 mm	m	\$ 70.00
<b>b</b>	ø25 mm	m	\$ 88.00
<b>c</b>	ø32 mm	m	\$ 100.00
<b>d</b>	ø40 mm	m	\$ 120.00
<b>e</b>	ø50 mm	m	\$ 150.00
<b>f</b>	ø65 mm	m	\$ 200.00
<b>g</b>	ø80 mm	m	\$ 230.00
<b>h</b>	ø100 mm	m	\$ 260.00
<b>i</b>	ø150 mm	m	\$ 300.00
<b>7.1.3.3</b>	uPVC		
<b>a</b>	ø20 mm	m	\$ 17.00
<b>b</b>	ø25 mm	m	\$ 20.00
<b>c</b>	ø32 mm	m	\$ 24.00
<b>d</b>	ø40 mm	m	\$ 30.00
<b>e</b>	ø50 mm	m	\$ 36.00
<b>f</b>	ø65 mm	m	\$ 43.00
<b>g</b>	ø80 mm	m	\$ 59.00
<b>h</b>	ø100 mm	m	\$ 70.00
<b>i</b>	ø150 mm	m	\$ 86.00



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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>8</b>	<b>VALVES AND FITTINGS</b>		
	<b>Valves</b>		
<b>8.1</b>	<b>Supply and installation of valves inclusive of necessary joints and supports (w/o insulation)</b>		
<b>8.1.1</b>	<b>Gate Valve</b>		
<b>a</b>	ø20 mm	no	\$ 45.00
<b>b</b>	ø25 mm	no	\$ 58.50
<b>c</b>	ø32 mm	no	\$ 73.00
<b>d</b>	ø40 mm	no	\$ 95.00
<b>e</b>	ø50 mm	no	\$ 117.00
<b>f</b>	ø65 mm	no	\$ 256.00
<b>g</b>	ø80 mm	no	\$ 341.50
<b>h</b>	ø100 mm	no	\$ 480.50
<b>i</b>	ø150 mm	no	\$ 1,136.50
<b>j</b>	ø200 mm	no	\$ 1,628.50
<b>k</b>	ø250 mm	no	\$ 856.00
<b>l</b>	ø300 mm	no	\$ 963.00
<b>m</b>	ø350 mm	no	\$ 1,284.00
<b>n</b>	ø400 mm	no	\$ 1,498.00
<b>8.1.2</b>	<b>Globe Valve</b>		
<b>a</b>	ø20 mm	no	\$ 42.50
<b>b</b>	ø25 mm	no	\$ 59.00
<b>c</b>	ø32 mm	no	\$ 84.00
<b>d</b>	ø40 mm	no	\$ 102.00
<b>e</b>	ø50 mm	no	\$ 150.00
<b>f</b>	ø65 mm	no	\$ 341.50
<b>g</b>	ø80 mm	no	\$ 373.00
<b>h</b>	ø100 mm	no	\$ 586.00
<b>i</b>	ø150 mm	no	\$ 920.00
<b>j</b>	ø200 mm	no	\$ 1,055.50
<b>k</b>	ø250 mm	no	\$ 2,020.00
<b>l</b>	ø300 mm	no	\$ 2,200.00
<b>m</b>	ø350 mm	no	\$ 2,500.00
<b>n</b>	ø400 mm	no	\$ 2,800.00
<b>8.1.3</b>	<b>Check Valve / Non-Return Valve</b>		
<b>a</b>	ø20 mm	no	\$ 52.00
<b>b</b>	ø25 mm	no	\$ 62.50
<b>c</b>	ø32 mm	no	\$ 93.50
<b>d</b>	ø40 mm	no	\$ 113.50
<b>e</b>	ø50 mm	no	\$ 150.00
<b>f</b>	ø65 mm	no	\$ 197.00
<b>g</b>	ø80 mm	no	\$ 269.50
<b>h</b>	ø100 mm	no	\$ 414.00
<b>i</b>	ø150 mm	no	\$ 630.00
<b>j</b>	ø200 mm	no	\$ 930.00
<b>k</b>	ø250 mm	no	\$ 1,520.00
<b>l</b>	ø300 mm	no	\$ 2,080.00
<b>m</b>	ø350 mm	no	\$ 2,353.00
<b>n</b>	ø400 mm	no	\$ 2,674.00
<b>o</b>	ø450 mm	no	\$ 2,781.00
<b>p</b>	ø500 mm	no	\$ 2,995.00
<b>q</b>	ø600 mm	no	\$ 3,209.00
<b>r</b>	ø700 mm	no	\$ 3,423.00
<b>s</b>	ø800 mm	no	\$ 3,744.00
<b>8.1.4</b>	<b>Butterfly Valve</b>		
<b>a</b>	ø80 mm	no	\$ 217.50

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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>b</b>	ø100 mm	no	\$ 300.50
<b>c</b>	ø150 mm	no	\$ 424.50
<b>d</b>	ø200 mm	no	\$ 642.00
<b>e</b>	ø250 mm	no	\$ 900.50
<b>f</b>	ø300 mm	no	\$ 1,221.50
<b>g</b>	ø350 mm	no	\$ 2,069.50
<b>h</b>	ø400 mm	no	\$ 2,752.50
<b>i</b>	ø450 mm	no	\$ 5,300.00
<b>j</b>	ø500 mm	no	\$ 5,890.00
<b>k</b>	ø600 mm	no	\$ 6,610.00
<b>l</b>	ø700 mm	no	\$ 7,487.00
<b>m</b>	ø800 mm	no	\$ 7,701.00
<b>8.1.5</b>	<b>Regulating Valve</b>		
<b>8.1.5.1</b>	<b>Bronzed Screwed</b>		
<b>a</b>	ø20 mm	no	\$ 61.00
<b>b</b>	ø25 mm	no	\$ 71.00
<b>c</b>	ø32 mm	no	\$ 87.00
<b>d</b>	ø40 mm	no	\$ 101.00
<b>e</b>	ø50 mm	no	\$ 156.00
<b>8.1.5.2</b>	<b>Cast Iron Flanged</b>		
<b>a</b>	ø65 mm	no	\$ 214.00
<b>b</b>	ø80 mm	no	\$ 228.00
<b>c</b>	ø100 mm	no	\$ 283.00
<b>d</b>	ø150 mm	no	\$ 665.00
<b>e</b>	ø200 mm	no	\$ 746.00
<b>f</b>	ø250 mm	no	\$ 865.00
<b>g</b>	ø300 mm	no	\$ 1,091.00
<b>h</b>	ø350 mm	no	\$ 1,200.00
<b>8.1.6</b>	<b>Ball Valve</b>		
<b>a</b>	ø20 mm	no	\$ 52.00
<b>b</b>	ø25 mm	no	\$ 72.50
<b>c</b>	ø32 mm	no	\$ 93.50
<b>d</b>	ø40 mm	no	\$ 103.50
<b>e</b>	ø50 mm	no	\$ 155.50

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>8.1.7</b>	<b>Balancing Valve Including Measuring Ports</b>		
a	ø20 mm	no	\$ 160.00
b	ø25 mm	no	\$ 180.00
c	ø32 mm	no	\$ 210.00
d	ø40 mm	no	\$ 270.00
e	ø50 mm	no	\$ 320.00
f	ø65 mm	no	\$ 710.00
g	ø80 mm	no	\$ 910.00
h	ø100 mm	no	\$ 1,190.00
i	ø150 mm	no	\$ 2,217.00
j	ø200 mm	no	\$ 3,644.00
k	ø250 mm	no	\$ 6,773.00
l	ø300 mm	no	\$ 8,834.00
m	ø350 mm	no	\$ 10,350.00
n	ø400 mm	no	\$ 12,560.00
o	ø450 mm	no	\$ 15,670.00
p	ø500 mm	no	\$ 17,450.00
q	ø600 mm	no	\$ 20,980.00
r	ø700 mm	no	\$ 22,000.00
s	ø800 mm	no	\$ 25,000.00
<b>8.1.8</b>	<b>Y-Strainer</b>		
a	ø20 mm	no	\$ 53.00
b	ø25 mm	no	\$ 76.00
c	ø32 mm	no	\$ 96.00
d	ø40 mm	no	\$ 122.00
e	ø50 mm	no	\$ 184.50
f	ø65 mm	no	\$ 216.00
g	ø80 mm	no	\$ 276.00
h	ø100 mm	no	\$ 410.00
i	ø150 mm	no	\$ 740.00
j	ø200 mm	no	\$ 1,080.00
k	ø250 mm	no	\$ 1,720.00
l	ø300 mm	no	\$ 2,410.00
m	ø350 mm	no	\$ 2,600.00
n	ø400 mm	no	\$ 2,750.00
o	ø450 mm	no	\$ 2,900.00
p	ø500 mm	no	\$ 3,200.00
q	ø600 mm	no	\$ 3,500.00
r	ø700 mm	no	\$ 3,851.00
s	ø800 mm	no	\$ 4,065.00
<b>8.1.9</b>	<b>Motorised On/Off Valve (Electric)</b>		
a	ø20 mm	no	\$ 480.00
b	ø25 mm	no	\$ 540.00
c	ø32 mm	no	\$ 600.00
d	ø40 mm	no	\$ 710.00
e	ø50 mm	no	\$ 780.00
f	ø65 mm	no	\$ 820.00
g	ø80 mm	no	\$ 870.00
h	ø100 mm	no	\$ 960.00
i	ø150 mm	no	\$ 1,850.00
j	ø200 mm	no	\$ 2,220.00
k	ø250 mm	no	\$ 2,930.00
l	ø300 mm	no	\$ 3,600.00
m	ø350 mm	no	\$ 4,000.00
n	ø400 mm	no	\$ 4,200.00
o	ø450 mm	no	\$ 4,500.00

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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>8.1.10</b>	<b>Motorised Modulating 2-Way Control Valve (Electric)</b>		
<b>a</b>	ø20 mm	no	\$ 1,569.00
<b>b</b>	ø25 mm	no	\$ 1,751.00
<b>c</b>	ø32 mm	no	\$ 1,953.00
<b>d</b>	ø40 mm	no	\$ 2,170.00
<b>e</b>	ø50 mm	no	\$ 2,425.00
<b>f</b>	ø65 mm	no	\$ 2,443.00
<b>g</b>	ø80 mm	no	\$ 2,475.00
<b>h</b>	ø100 mm	no	\$ 2,538.00
<b>i</b>	ø150 mm	no	\$ 3,000.00
<b>j</b>	ø200 mm	no	\$ 3,420.00
<b>k</b>	ø250 mm	no	\$ 4,047.00
<b>l</b>	ø300 mm	no	\$ 4,694.00
<b>m</b>	ø350 mm	no	\$ 5,210.00
<b>n</b>	ø400 mm	no	\$ 6,250.00
<b>o</b>	ø450 mm	no	\$ 7,500.00
<b>p</b>	ø500 mm	no	\$ 9,000.00
<b>q</b>	ø600 mm	no	\$ 10,800.00
<b>r</b>	ø700 mm	no	\$ 13,000.00
<b>s</b>	ø800 mm	no	\$ 15,600.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>8.1.11</b>	<b>Constant Flow Valve</b>		
a	ø20 mm	no	\$ 176.00
b	ø25 mm	no	\$ 205.00
c	ø32 mm	no	\$ 344.00
d	ø40 mm	no	\$ 363.00
e	ø50 mm	no	\$ 424.00
f	ø65 mm	no	\$ 732.00
g	ø80 mm	no	\$ 797.00
h	ø100 mm	no	\$ 1,479.50
i	ø150 mm	no	\$ 2,955.00
j	ø200 mm	no	\$ 4,445.00
k	ø250 mm	no	\$ 6,554.00
l	ø300 mm	no	\$ 9,340.00
m	ø350 mm	no	\$ 10,000.00
n	ø400 mm	no	\$ 11,500.00
o	ø450 mm	no	\$ 13,000.00
<b>8.1.12</b>	<b>Ball Float Valve</b>		
a	ø20 mm	no	\$ 318.00
b	ø25 mm	no	\$ 375.00
c	ø32 mm	no	\$ 742.00
d	ø40 mm	no	\$ 887.00
e	ø50 mm	no	\$ 1,217.00
f	ø65 mm	no	\$ 1,587.00
g	ø80 mm	no	\$ 2,223.00
h	ø100 mm	no	\$ 2,757.00
i	ø150 mm	no	\$ 3,713.00
j	ø200 mm	no	\$ 6,300.00
<b>8.1.13</b>	<b>Pressure Relief Valve</b>		
a	ø20 mm	no	\$ 450.00
b	ø25 mm	no	\$ 450.00
c	ø32 mm	no	\$ 480.00
d	ø40 mm	no	\$ 500.00
e	ø50 mm	no	\$ 500.00
f	ø65 mm	no	\$ 632.00
g	ø80 mm	no	\$ 674.00
h	ø100 mm	no	\$ 910.00
i	ø150 mm	no	\$ 1,070.00
<b>8.1.14</b>	<b>Automatic Air Release Valve</b>		
a	ø20 mm	no	\$ 210.00
b	ø25 mm	no	\$ 210.00
c	ø32 mm	no	\$ 250.00
d	ø40 mm	no	\$ 300.00
e	ø50 mm	no	\$ 343.00
f	ø65 mm	no	\$ 375.00
g	ø80 mm	no	\$ 423.00
h	ø100 mm	no	\$ 535.00
i	ø150 mm	no	\$ 803.00
<b>8.1.15</b>	<b>Rubber Expansion Joint / Flexible Connection</b>		
a	ø15 mm	no	\$ 71.50
b	ø25 mm	no	\$ 75.00
c	ø32 mm	no	\$ 98.00
d	ø40 mm	no	\$ 117.00
e	ø50 mm	no	\$ 154.00
f	ø65 mm	no	\$ 187.00
g	ø80 mm	no	\$ 239.00
h	ø100 mm	no	\$ 306.00

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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
i	ø150 mm	no	\$ 500.00
j	ø200 mm	no	\$ 646.00
k	ø250 mm	no	\$ 977.00
l	ø300 mm	no	\$ 1,261.00
m	ø350 mm	no	\$ 1,658.00
n	ø400 mm	no	\$ 1,800.00
o	ø450 mm	no	\$ 1,900.00
p	ø500 mm	no	\$ 2,100.00
q	ø600 mm	no	\$ 2,300.00
r	ø700 mm	no	\$ 2,500.00
s	ø800 mm	no	\$ 2,800.00
<b>8.1.16</b>	<b>Stainless Steel Expansion Joint / Flexible Connection</b>		
a	ø32 mm	no	\$ 107.00
b	ø40 mm	no	\$ 128.50
c	ø50 mm	no	\$ 164.00
d	ø65 mm	no	\$ 197.00
e	ø80 mm	no	\$ 252.00
f	ø100 mm	no	\$ 334.50
g	ø150 mm	no	\$ 532.00
h	ø200 mm	no	\$ 711.00
i	ø250 mm	no	\$ 1,075.50
j	ø300 mm	no	\$ 1,388.00
k	ø350 mm	no	\$ 1,829.50
l	ø400 mm	no	\$ 2,139.00
m	ø450 mm	no	\$ 2,460.00
n	ø500 mm	no	\$ 2,781.00
o	ø600 mm	no	\$ 3,102.00
p	ø700 mm	no	\$ 3,423.00
q	ø800 mm	no	\$ 3,744.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>8.2</b>	<b>Valve Insulation</b>		
<b>8.2.1</b>	<b>without Cladding</b>		
<b>a</b>	ø15 mm	no	\$ 35.00
<b>b</b>	ø25 mm	no	\$ 33.50
<b>c</b>	ø32 mm	no	\$ 33.50
<b>d</b>	ø40 mm	no	\$ 43.50
<b>e</b>	ø50 mm	no	\$ 50.00
<b>f</b>	ø65 mm	no	\$ 60.50
<b>g</b>	ø80 mm	no	\$ 60.50
<b>h</b>	ø100 mm	no	\$ 81.00
<b>i</b>	ø150 mm	no	\$ 143.00
<b>j</b>	ø200 mm	no	\$ 174.00
<b>k</b>	ø250 mm	no	\$ 205.00
<b>l</b>	ø300 mm	no	\$ 257.00
<b>m</b>	ø350 mm	no	\$ 350.00
<b>n</b>	ø400 mm	no	\$ 412.00
<b>o</b>	ø450 mm	no	\$ 441.00
<b>p</b>	ø500 mm	no	\$ 528.00
<b>q</b>	ø600 mm	no	\$ 652.00
<b>r</b>	ø700 mm	no	\$ 803.00
<b>s</b>	ø800 mm	no	\$ 963.00
<b>8.2.2</b>	<b>Inclusive Cladding</b>		
<b>a</b>	ø15 mm	no	\$ 41.00
<b>b</b>	ø25 mm	no	\$ 41.50
<b>c</b>	ø32 mm	no	\$ 41.50
<b>d</b>	ø40 mm	no	\$ 52.00
<b>e</b>	ø50 mm	no	\$ 62.50
<b>f</b>	ø65 mm	no	\$ 72.50
<b>g</b>	ø80 mm	no	\$ 72.50
<b>h</b>	ø100 mm	no	\$ 93.50
<b>i</b>	ø150 mm	no	\$ 155.50
<b>j</b>	ø200 mm	no	\$ 186.50
<b>k</b>	ø250 mm	no	\$ 217.50
<b>l</b>	ø300 mm	no	\$ 269.50
<b>m</b>	ø350 mm	no	\$ 362.50
<b>n</b>	ø400 mm	no	\$ 424.50
<b>o</b>	ø450 mm	no	\$ 466.00
<b>p</b>	ø500 mm	no	\$ 569.50
<b>q</b>	ø600 mm	no	\$ 704.00
<b>r</b>	ø700 mm	no	\$ 856.00
<b>s</b>	ø800 mm	no	\$ 1,070.00
	<b>AIR FILTERS</b>		
<b>9</b>	<b>Filter inclusive of frame, casing and necessary accessories</b>		
<b>9.1</b>	<b>Washable Panel Filters</b>		
<b>a</b>	600 x 300 mm	no	\$ 62.50
<b>b</b>	600 x 600 mm	no	\$ 72.50
<b>9.2</b>	<b>Disposable Primary</b>		
<b>a</b>	600 x 300 mm	no	\$ 43.50
<b>b</b>	600 x 600 mm	no	\$ 51.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>9.3</b>	<b>Disposable Medium Efficiency</b>		
a	600 x 300 mm	no	\$ 60.00
b	600 x 600 mm	no	\$ 72.00
<b>9.4</b>	<b>Bag</b>		
a	600 x 300 mm	no	\$ 80.00
b	600 x 600 mm	no	\$ 95.00
<b>9.5</b>	<b>High Efficiency</b>		
a	600 x 300 mm	no	\$ 90.00
b	600 x 600 mm	no	\$ 110.00
<b>9.6</b>	<b>Electronic</b>		
a	600 x 300 mm	no	\$ 2,500.00
b	600 x 600 mm	no	\$ 2,800.00
<b>9.7</b>	<b>Carbon Filter</b>		
a	600 x 300 mm	no	\$ 124.50
b	600 x 600 mm	no	\$ 155.50
<b>9.8</b>	<b>MERV6+14 Filter</b>		
a	150 x 150 mm	no	\$ 200.00
b	200 x 200 mm	no	\$ 250.00



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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>10</b>	<b>ACOUSTIC TREATMENT AND VIBRATION ISOLATOR</b>		
<b>10.1</b>	<b>Sound Attenuators</b>		
<b>10.1.1</b>	<b>Supply and Install Cylindrical with Pod Type Sound Attenuators</b>		
<b>10.1.1.1</b>	500 mm dia		
<b>a</b>	1 diameter length	no	\$ 652.00
<b>b</b>	2 diameter length	no	\$ 1,260.00
<b>10.1.1.2</b>	1000 mm dia		
<b>a</b>	1 diameter length	no	\$ 1,990.00
<b>b</b>	2 diameter length	no	\$ 3,980.00
<b>10.1.1.3</b>	1500 mm dia		
<b>a</b>	1 diameter length	no	\$ 4,100.00
<b>b</b>	2 diameter length	no	\$ 8,200.00
<b>10.1.2</b>	<b>Supply and Install Rectangle Type Sound Attenuators</b>		
<b>a</b>	Length of silencer up through 600mm	m2	\$ 798.00
<b>b</b>	Length of silencer 601mm - 900mm	m2	\$ 909.00
<b>c</b>	Length of silencer 901mm - 1200mm	m2	\$ 1,135.50
<b>d</b>	Length of silencer 1201mm - 1500mm	m2	\$ 1,420.00
<b>e</b>	Length of silencer 1501mm - 1800mm	m2	\$ 1,600.50
<b>10.1.3</b>	<b>Acoustic Enclosure Supply and Installation Including Supports, Sleeves, Hangers, Fittings etc</b>		
<b>a</b>	50 kg/m <sup>3</sup> rockwool insulation with 12mm thick gypsum board, 1.2mm thick galvanise sheet metal and 0.7mm thick perforated galvanise steel sheet construction	m2	\$ 924.00
<b>b</b>	80 kg/m <sup>3</sup> rockwool insulation with 15mm thick gypsum board, 1.2mm thick galvanise sheet metal and 0.7mm thick perforated galvanise steel sheet construction	m2	\$ 1,244.00
<b>10.2</b>	<b>Vibration Isolator</b>		
<b>10.2.1</b>	<b>Unhoused Steel Spring</b>		
<b>10.2.1.1</b>	25mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 66.50
<b>b</b>	capacity 51 - 200 kg	no	\$ 72.50
<b>c</b>	capacity 201 - 500 kg	no	\$ 159.50
<b>d</b>	capacity 501 - 1000 kg	no	\$ 276.50
<b>e</b>	Over 1001 kg	no	\$ 340.50
<b>10.2.1.2</b>	50mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 112.50
<b>b</b>	capacity 51 - 200 kg	no	\$ 126.50
<b>c</b>	capacity 201 - 500 kg	no	\$ 153.50
<b>d</b>	capacity 501 - 1000 kg	no	\$ 234.00
<b>e</b>	Over 1001 kg	no	\$ 319.00
<b>10.2.1.3</b>	75mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 174.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 180.50
<b>c</b>	capacity 201 - 500 kg	no	\$ 291.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 346.00
<b>e</b>	Over 1001 kg	no	\$ 457.50
<b>10.2.1.4</b>	100mm deflection		

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>a</b>	capacity 0 - 50 kg	no	\$ 432.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 441.00
<b>c</b>	capacity 201 - 500 kg	no	\$ 604.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 753.00
<b>e</b>	Over 1001 kg	no	\$ 866.00
<b>10.2.2</b>	<b>Restrained Steel Spring</b>		
<b>10.2.2.1</b>	25mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 235.50
<b>b</b>	capacity 51 - 200 kg	no	\$ 245.00
<b>c</b>	capacity 201 - 500 kg	no	\$ 258.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 288.00
<b>e</b>	Over 1001 kg	no	\$ 421.50
<b>10.2.2.2</b>	50mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 266.50
<b>b</b>	capacity 51 - 200 kg	no	\$ 303.50
<b>c</b>	capacity 201 - 500 kg	no	\$ 331.50
<b>d</b>	capacity 501 - 1000 kg	no	\$ 373.00
<b>e</b>	Over 1001 kg	no	\$ 557.00
<b>10.2.2.3</b>	75mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 418.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 426.00
<b>c</b>	capacity 201 - 500 kg	no	\$ 456.50
<b>d</b>	capacity 501 - 1000 kg	no	\$ 575.50
<b>e</b>	Over 1001 kg	no	\$ 988.50
<b>10.2.2.4</b>	100mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 998.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 1,004.00
<b>c</b>	capacity 201 - 500 kg	no	\$ 1,247.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 1,347.00
<b>e</b>	Over 1001 kg	no	\$ 1,746.00
<b>10.2.3</b>	<b>Neoprene Hangers And Mounts</b>		
<b>10.2.3.1</b>	8mm - 12mm		
<b>a</b>	capacity 0 - 50 kg	no	\$ 48.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 69.00
<b>c</b>	capacity 201 - 500 kg	no	\$ 84.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 128.50
<b>e</b>	Over 1001 kg	no	\$ 248.00

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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>10.2.4</b>	<b>Spring-in-series With Neoprene Hangers</b>		
<b>10.2.4.1</b>	25mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 54.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 79.00
<b>c</b>	capacity 201 - 500 kg	no	\$ 101.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 128.50
<b>e</b>	Over 1001 kg	no	\$ 269.00
<b>10.2.4.2</b>	50mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 67.50
<b>b</b>	capacity 51 - 200 kg	no	\$ 89.00
<b>c</b>	capacity 201 - 500 kg	no	\$ 131.50
<b>d</b>	capacity 501 - 1000 kg	no	\$ 237.00
<b>e</b>	Over 1001 kg	no	\$ 330.00
<b>10.2.4.3</b>	75mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 114.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 186.50
<b>c</b>	capacity 201 - 500 kg	no	\$ 238.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 370.00
<b>e</b>	Over 1001 kg	no	\$ 530.00
<b>10.2.4.4</b>	100mm deflection		
<b>a</b>	capacity 0 - 50 kg	no	\$ 197.00
<b>b</b>	capacity 51 - 200 kg	no	\$ 248.50
<b>c</b>	capacity 201 - 500 kg	no	\$ 290.00
<b>d</b>	capacity 501 - 1000 kg	no	\$ 420.00
<b>e</b>	Over 1001 kg	no	\$ 620.00
<b>11</b>	<b>APPARATUS</b>		
<b>11.1</b>	<b>Water instruments &amp; fittings Inclusive of associated ancillary accessories</b>		
<b>11.1.1</b>	<b>BTU meter</b>		
<b>a</b>	ø15 mm	no	\$ 1,800.00
<b>b</b>	ø25 mm	no	\$ 1,800.00
<b>c</b>	ø32 mm	no	\$ 1,800.00
<b>d</b>	ø40 mm	no	\$ 1,800.00
<b>e</b>	ø50 mm	no	\$ 1,800.00
<b>f</b>	ø65 mm	no	\$ 1,800.00
<b>g</b>	ø80 mm	no	\$ 1,800.00
<b>h</b>	ø100 mm	no	\$ 1,800.00
<b>i</b>	ø150 mm	no	\$ 1,800.00
<b>j</b>	ø200 mm	no	\$ 1,800.00
<b>k</b>	ø250 mm	no	\$ 1,800.00
<b>l</b>	ø300 mm	no	\$ 1,800.00
<b>11.1.2</b>	<b>Direct read flow meter (Magnetic Type)</b>		
<b>a</b>	ø15 mm	no	\$ 1,627.00
<b>b</b>	ø25 mm	no	\$ 1,627.00
<b>c</b>	ø32 mm	no	\$ 1,650.00
<b>d</b>	ø40 mm	no	\$ 1,673.00
<b>e</b>	ø50 mm	no	\$ 1,698.00
<b>f</b>	ø65 mm	no	\$ 1,720.00
<b>g</b>	ø80 mm	no	\$ 1,744.00
<b>h</b>	ø100 mm	no	\$ 1,818.00
<b>i</b>	ø150 mm	no	\$ 1,859.00
<b>j</b>	ø200 mm	no	\$ 2,091.00
<b>k</b>	ø250 mm	no	\$ 2,325.00
<b>l</b>	ø300 mm	no	\$ 2,557.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>m</b>	ø350 mm	no	\$ 2,441.00
<b>n</b>	ø400 mm	no	\$ 4,532.00
<b>o</b>	ø450 mm	no	\$ 4,998.00
<b>p</b>	ø500 mm	no	\$ 6,158.00
<b>11.1.3</b>	<b>Direct read flow meter (Ultrasonic Type)</b>		
<b>a</b>	ø15 mm	no	\$ 3,213.00
<b>b</b>	ø25 mm	no	\$ 3,213.00
<b>c</b>	ø32 mm	no	\$ 3,485.00
<b>d</b>	ø40 mm	no	\$ 3,485.00
<b>e</b>	ø50 mm	no	\$ 4,131.00
<b>f</b>	ø65 mm	no	\$ 4,131.00
<b>g</b>	ø80 mm	no	\$ 6,333.00
<b>h</b>	ø100 mm	no	\$ 6,333.00
<b>i</b>	ø150 mm	no	\$ 8,075.00
<b>j</b>	ø200 mm	no	\$ 8,075.00
<b>k</b>	ø250 mm	no	\$ 9,605.00
<b>l</b>	ø300 mm	no	\$ 9,605.00
<b>m</b>	ø350 mm	no	\$ 10,370.00
<b>n</b>	ø400 mm	no	\$ 11,091.00
<b>o</b>	ø450 mm	no	\$ 11,091.00
<b>p</b>	ø500 mm	no	\$ 11,091.00
<b>11.1.4</b>	Temperature sensor	no	\$ 163.00
<b>11.1.5</b>	Thermometer	no	\$ 184.00
<b>11.1.6</b>	Thermometer well	no	\$ 204.00
<b>11.1.7</b>	Pressure sensor	no	\$ 408.00
<b>11.1.8</b>	Pressure gauge	no	\$ 247.00
<b>11.1.9</b>	Flow switch	no	\$ 350.00
<b>11.1.10</b>	Test plug	no	\$ 107.00

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>11.2</b>	<b>Air Instruments and Fittings</b>		
11.2.1	Carbon dioxide sensor	no	\$ 255.00
11.2.2	Carbon monoxide sensor	no	\$ 398.00
11.2.3	Differential pressure switch	no	\$ 146.00
11.2.4	Dirty filter alarm and sensor	no	\$ 91.00
11.2.5	Flow meter	no	\$ 268.00
11.2.6	Flow switch	no	\$ 110.00
11.2.7	Humidity indicator	no	\$ 237.00
11.2.8	Humidity sensor	no	\$ 273.00
11.2.9	Pressure gauge	no	\$ 88.00
11.2.10	Pressure switch	no	\$ 128.00
11.2.11	Smoke detector	no	\$ 319.00
11.2.12	Static pressure sensor	no	\$ 383.00
11.2.13	Temperature indicator	no	\$ 197.00
11.2.14	Temperature sensor	no	\$ 153.00
11.2.15	Thermostat	no	\$ 210.00
11.2.16	Thermostat inclusive 3-speed fan switch	no	\$ 228.00
11.2.17	3-speed fan switch	no	\$ 195.00
11.2.18	Timer control	no	\$ 178.00
11.2.19	Drip Pan (galvanised steel)	no	\$ 250.00
11.2.20	Test hole plug	no	\$ 54.00
11.2.21	Gas Detector	no	\$ 800.00
11.2.22	Siren with Strobe Light	no	\$ 1,500.00
<b>12</b>	<b>WATER LEAK DETECTION SYSTEM</b>		
a	Control panel (2 Zone)	no	\$ 3,500.00
b	Detecting point	no	\$ 800.00
c	Detecting cable	no	\$ 9.00
<b>13</b>	<b>BUILDING MANAGEMENT SYSTEM</b>		
<b>13.1</b>	<b>Central Control Equipment</b>		
a	PC based central processor c/w keyboard & mouse	no	\$ 4,656.50
b	20-Inch colour monitor	no	\$ 466.00
c	High speed printer	no	\$ 1,035.00
d	Colour printer	no	\$ 1,035.00
e	Generation of one (1) BMS colour graphic	no	\$ 12,000.00
f	Direct digital controllers complete with processor and back-up RAM for 20 BMS	no	\$ 5,000.00
g	Direct digital controllers complete with processor and back-up RAM for 30 BMS	no	\$ 6,208.50
h	Direct digital controllers complete with processor and back-up RAM for 50 BMS	no	\$ 7,864.50
i	Network control unit	no	\$ 1,035.00
<b>13.2</b>	<b>Field Control Equipment</b>		
a	Carbon monoxide controller	no	\$ 673.00
b	Portable programmers terminal	no	\$ 517.50
c	Service contactors	no	\$ 129.50
d	Overcurrent relays	no	\$ 259.00
e	Earth fault relays	no	\$ 259.00
f	Current transformers	no	\$ 362.50
g	Temperature sensor	no	\$ 500.00
h	Pressure sensor	no	\$ 500.00
i	Ammeters	no	\$ 228.00
j	Voltmeters	no	\$ 228.00
k	Isolators	no	\$ 155.50

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
I	Alarm bells	no	\$ 180.00
13.3	<b>BMS Points</b>	pt	\$ 600.00
13.4	<b>Interfacing</b> <b>Interfacing with other services / systems inclusive all necessary trunkings / conduit wirings, field processing units, hardware, software including graphics generation, modification of software, testing and commissioning of programmes etc</b>		
a	Digital Input	no	\$ 600.00
b	Digital Output	no	\$ 600.00
c	Analogy Input	no	\$ 600.00
d	Analogy Output	no	\$ 600.00
13.5	<b>Control Cables</b> <b>Supply and installation of control cables (115V and below) complete with conduits, trays, shaddles etc. The rate per point shall include the total number of cores and earth cables required per control point</b>		
a	Indication signal	pt	\$ 600.00
b	On/Off & modulate control	pt	\$ 600.00
c	Temperature control	pt	\$ 600.00
d	Alarm signal	pt	\$ 600.00
e	Pressure control	pt	\$ 600.00
f	Others	pt	

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14</b>	<b>ELECTRICAL WORKS</b>		
	<b>Cables</b>		
<b>14.1</b>	<b>Supply and installation of cables on vertical and/or horizontal cable support system (exclude cable support system) inclusive of CPC, cable ties, fixing cleats, cable lugs, terminations, jointing and associated ancillary accessories.</b>		
<b>14.1.1</b>	<b>PVC Insulated Cable</b>		
<b>14.1.1.1</b>	(without CPC)		
<b>14.1.1.1.1</b>	1 x 1C		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 3.80
<b>b</b>	4 mm <sup>2</sup>	m	\$ 4.80
<b>c</b>	6 mm <sup>2</sup>	m	\$ 6.50
<b>d</b>	10 mm <sup>2</sup>	m	\$ 7.70
<b>e</b>	16 mm <sup>2</sup>	m	\$ 9.60
<b>14.1.2</b>	<b>PVC/PVC Insulated Cable</b>		
<b>14.1.2.1</b>	(without CPC)		
<b>14.1.2.1.1</b>	1 x 1C		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 4.20
<b>b</b>	4 mm <sup>2</sup>	m	\$ 5.30
<b>c</b>	6 mm <sup>2</sup>	m	\$ 7.20
<b>d</b>	10 mm <sup>2</sup>	m	\$ 8.50
<b>e</b>	16 mm <sup>2</sup>	m	\$ 11.90
<b>f</b>	25 mm <sup>2</sup>	m	\$ 15.30
<b>g</b>	35 mm <sup>2</sup>	m	\$ 19.80
<b>h</b>	50 mm <sup>2</sup>	m	\$ 23.20
<b>i</b>	70 mm <sup>2</sup>	m	\$ 28.10
<b>j</b>	95 mm <sup>2</sup>	m	\$ 34.10
<b>k</b>	120 mm <sup>2</sup>	m	\$ 41.00
<b>l</b>	150 mm <sup>2</sup>	m	\$ 48.00
<b>m</b>	185 mm <sup>2</sup>	m	\$ 54.80
<b>n</b>	240 mm <sup>2</sup>	m	\$ 73.80
<b>o</b>	300 mm <sup>2</sup>	m	\$ 89.80
<b>p</b>	400 mm <sup>2</sup>	m	\$ 109.50
<b>q</b>	500 mm <sup>2</sup>	m	\$ 132.90
<b>r</b>	630 mm <sup>2</sup>	m	\$ 163.10
<b>14.1.2.2</b>	(with CPC)		
<b>14.1.2.2.1</b>	1 x 2C		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 4.60
<b>b</b>	4 mm <sup>2</sup>	m	\$ 6.50
<b>c</b>	6 mm <sup>2</sup>	m	\$ 7.80
<b>14.1.2.2.2</b>	1 x 3C		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 5.00
<b>b</b>	4 mm <sup>2</sup>	m	\$ 7.00
<b>c</b>	6 mm <sup>2</sup>	m	\$ 9.00
<b>d</b>	10 mm <sup>2</sup>	m	\$ 12.00
<b>e</b>	16 mm <sup>2</sup>	m	\$ 18.00
<b>f</b>	25 mm <sup>2</sup>	m	\$ 26.00
<b>g</b>	35 mm <sup>2</sup>	m	\$ 34.00
<b>h</b>	50 mm <sup>2</sup>	m	\$ 42.00
<b>i</b>	70 mm <sup>2</sup>	m	\$ 57.00
<b>j</b>	95 mm <sup>2</sup>	m	\$ 76.00
<b>k</b>	120 mm <sup>2</sup>	m	\$ 92.00
<b>l</b>	150 mm <sup>2</sup>	m	\$ 113.00
<b>m</b>	185 mm <sup>2</sup>	m	\$ 143.00
<b>n</b>	240 mm <sup>2</sup>	m	\$ 189.60

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>o</b>	300 mm <sup>2</sup>	m	\$ 238.80
<b>p</b>	400 mm <sup>2</sup>	m	\$ 297.30
<b>14.1.2.2.3</b>	1 x 4C		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 7.00
<b>b</b>	4 mm <sup>2</sup>	m	\$ 9.00
<b>c</b>	6 mm <sup>2</sup>	m	\$ 11.00
<b>d</b>	10 mm <sup>2</sup>	m	\$ 15.00
<b>e</b>	16 mm <sup>2</sup>	m	\$ 24.00
<b>f</b>	25 mm <sup>2</sup>	m	\$ 34.00
<b>g</b>	35 mm <sup>2</sup>	m	\$ 45.00
<b>h</b>	50 mm <sup>2</sup>	m	\$ 56.00
<b>i</b>	70 mm <sup>2</sup>	m	\$ 76.00
<b>j</b>	95 mm <sup>2</sup>	m	\$ 94.00
<b>k</b>	120 mm <sup>2</sup>	m	\$ 114.40
<b>l</b>	150 mm <sup>2</sup>	m	\$ 140.80
<b>m</b>	185 mm <sup>2</sup>	m	\$ 178.00
<b>n</b>	240 mm <sup>2</sup>	m	\$ 252.80
<b>o</b>	300 mm <sup>2</sup>	m	\$ 318.40
<b>p</b>	400 mm <sup>2</sup>	m	\$ 396.40



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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14.1.3</b>	<b>XPLE/PVC Insulated Cable</b>		
<b>14.1.3.1</b>	<b>(without CPC)</b>		
<b>14.1.3.1.1</b>	<b>1 x 1C</b>		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 4.20
<b>b</b>	4 mm <sup>2</sup>	m	\$ 5.30
<b>c</b>	6 mm <sup>2</sup>	m	\$ 7.20
<b>d</b>	10 mm <sup>2</sup>	m	\$ 8.50
<b>e</b>	16 mm <sup>2</sup>	m	\$ 11.90
<b>f</b>	25 mm <sup>2</sup>	m	\$ 15.30
<b>g</b>	35 mm <sup>2</sup>	m	\$ 19.80
<b>h</b>	50 mm <sup>2</sup>	m	\$ 23.20
<b>i</b>	70 mm <sup>2</sup>	m	\$ 28.10
<b>j</b>	95 mm <sup>2</sup>	m	\$ 34.10
<b>k</b>	120 mm <sup>2</sup>	m	\$ 39.40
<b>l</b>	150 mm <sup>2</sup>	m	\$ 46.00
<b>m</b>	185 mm <sup>2</sup>	m	\$ 59.00
<b>n</b>	240 mm <sup>2</sup>	m	\$ 79.00
<b>o</b>	300 mm <sup>2</sup>	m	\$ 97.00
<b>p</b>	400 mm <sup>2</sup>	m	\$ 118.00
<b>q</b>	500 mm <sup>2</sup>	m	\$ 143.00
<b>r</b>	630 mm <sup>2</sup>	m	\$ 175.00
<b>14.1.3.2</b>	<b>(with CPC)</b>		
<b>14.1.3.2.1</b>	<b>1 x 2C</b>		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 4.35
<b>b</b>	4 mm <sup>2</sup>	m	\$ 5.65
<b>c</b>	6 mm <sup>2</sup>	m	\$ 7.35
<b>14.1.3.2.2</b>	<b>1 x 3C</b>		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 5.00
<b>b</b>	4 mm <sup>2</sup>	m	\$ 6.00
<b>c</b>	6 mm <sup>2</sup>	m	\$ 8.00
<b>d</b>	10 mm <sup>2</sup>	m	\$ 10.50
<b>e</b>	16 mm <sup>2</sup>	m	\$ 16.20
<b>f</b>	25 mm <sup>2</sup>	m	\$ 23.40
<b>g</b>	35 mm <sup>2</sup>	m	\$ 31.50
<b>h</b>	50 mm <sup>2</sup>	m	\$ 39.00
<b>i</b>	70 mm <sup>2</sup>	m	\$ 53.10
<b>j</b>	95 mm <sup>2</sup>	m	\$ 70.20
<b>k</b>	120 mm <sup>2</sup>	m	\$ 85.80
<b>l</b>	150 mm <sup>2</sup>	m	\$ 105.60
<b>m</b>	185 mm <sup>2</sup>	m	\$ 133.50
<b>n</b>	240 mm <sup>2</sup>	m	\$ 189.60
<b>o</b>	300 mm <sup>2</sup>	m	\$ 238.80
<b>p</b>	400 mm <sup>2</sup>	m	\$ 297.30
<b>14.1.3.2.3</b>	<b>1 x 4C</b>		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 6.00
<b>b</b>	4 mm <sup>2</sup>	m	\$ 8.00
<b>c</b>	6 mm <sup>2</sup>	m	\$ 10.00
<b>d</b>	10 mm <sup>2</sup>	m	\$ 14.00
<b>e</b>	16 mm <sup>2</sup>	m	\$ 21.60
<b>f</b>	25 mm <sup>2</sup>	m	\$ 31.20
<b>g</b>	35 mm <sup>2</sup>	m	\$ 42.00
<b>h</b>	50 mm <sup>2</sup>	m	\$ 52.00
<b>i</b>	70 mm <sup>2</sup>	m	\$ 70.80
<b>j</b>	95 mm <sup>2</sup>	m	\$ 93.60
<b>k</b>	120 mm <sup>2</sup>	m	\$ 114.40
<b>l</b>	150 mm <sup>2</sup>	m	\$ 140.80

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**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>m</b>	185 mm <sup>2</sup>	m	\$ 178.00
<b>n</b>	240 mm <sup>2</sup>	m	\$ 252.80
<b>o</b>	300 mm <sup>2</sup>	m	\$ 318.40
<b>p</b>	400 mm <sup>2</sup>	m	\$ 396.40
<b>14.1.4</b>	<b>PVC/SWA/PVC Cable</b>		
<b>14.1.4.1</b>	(with CPC)		
<b>14.1.4.1.1</b>	1 x 2C		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 12.70
<b>b</b>	4 mm <sup>2</sup>	m	\$ 14.70
<b>c</b>	6 mm <sup>2</sup>	m	\$ 20.50
<b>14.1.4.1.2</b>	1 x 3C		
<b>a</b>	2.5 mm <sup>2</sup>	m	\$ 14.30
<b>b</b>	4 mm <sup>2</sup>	m	\$ 16.66
<b>c</b>	6 mm <sup>2</sup>	m	\$ 23.60
<b>d</b>	10 mm <sup>2</sup>	m	\$ 29.14
<b>e</b>	16 mm <sup>2</sup>	m	\$ 37.40
<b>f</b>	25 mm <sup>2</sup>	m	\$ 49.00
<b>g</b>	35 mm <sup>2</sup>	m	\$ 59.00
<b>h</b>	50 mm <sup>2</sup>	m	\$ 67.00
<b>i</b>	70 mm <sup>2</sup>	m	\$ 83.00
<b>j</b>	95 mm <sup>2</sup>	m	\$ 103.00
<b>l</b>	120 mm <sup>2</sup>	m	\$ 124.00
<b>k</b>	150 mm <sup>2</sup>	m	\$ 142.00
<b>m</b>	185 mm <sup>2</sup>	m	\$ 171.00
<b>n</b>	240 mm <sup>2</sup>	m	\$ 207.00
<b>o</b>	300 mm <sup>2</sup>	m	\$ 260.00
<b>p</b>	400 mm <sup>2</sup>	m	\$ 350.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14.1.5</b>	<b>XPLE/SWA/PVC Cable</b>		
<b>14.1.5.1</b>	<b>(with CPC)</b>		
<b>14.1.5.1.1</b>	<b>1 x 2C</b>		
a	2.5 mm <sup>2</sup>	m	\$ 12.70
b	4 mm <sup>2</sup>	m	\$ 14.70
c	6 mm <sup>2</sup>	m	\$ 20.50
<b>14.1.5.1.2</b>	<b>1 x 3C</b>		
a	2.5 mm <sup>2</sup>	m	\$ 14.30
b	4 mm <sup>2</sup>	m	\$ 16.66
c	6 mm <sup>2</sup>	m	\$ 23.60
d	10 mm <sup>2</sup>	m	\$ 29.14
e	16 mm <sup>2</sup>	m	\$ 37.40
f	25 mm <sup>2</sup>	m	\$ 45.46
g	35 mm <sup>2</sup>	m	\$ 55.00
h	50 mm <sup>2</sup>	m	\$ 62.30
i	70 mm <sup>2</sup>	m	\$ 77.60
j	95 mm <sup>2</sup>	m	\$ 95.60
k	120 mm <sup>2</sup>	m	\$ 115.20
l	150 mm <sup>2</sup>	m	\$ 132.00
m	185 mm <sup>2</sup>	m	\$ 159.00
n	240 mm <sup>2</sup>	m	\$ 198.00
o	300 mm <sup>2</sup>	m	\$ 260.00
p	400 mm <sup>2</sup>	m	\$ 350.00
<b>14.1.6</b>	<b>Fire-Rated Cable</b>		
<b>14.1.6.1</b>	<b>(without CPC)</b>		
<b>14.1.6.1.1</b>	<b>1 x 1C (without sheath)</b>		
a	2.5 mm <sup>2</sup>	m	\$ 5.20
b	4 mm <sup>2</sup>	m	\$ 6.10
c	6 mm <sup>2</sup>	m	\$ 10.90
d	10 mm <sup>2</sup>	m	\$ 12.50
e	16 mm <sup>2</sup>	m	\$ 15.00
<b>14.1.6.1.2</b>	<b>1 x 1C (with sheath)</b>		
a	2.5 mm <sup>2</sup>	m	\$ 10.10
b	4 mm <sup>2</sup>	m	\$ 11.60
c	6 mm <sup>2</sup>	m	\$ 17.00
d	10 mm <sup>2</sup>	m	\$ 19.40
e	16 mm <sup>2</sup>	m	\$ 23.60
f	25 mm <sup>2</sup>	m	\$ 27.70
g	35 mm <sup>2</sup>	m	\$ 34.60
h	50 mm <sup>2</sup>	m	\$ 40.30
i	70 mm <sup>2</sup>	m	\$ 49.62
j	95 mm <sup>2</sup>	m	\$ 60.76
k	120 mm <sup>2</sup>	m	\$ 71.54
l	150 mm <sup>2</sup>	m	\$ 82.90
m	185 mm <sup>2</sup>	m	\$ 97.86
n	240 mm <sup>2</sup>	m	\$ 121.96
o	300 mm <sup>2</sup>	m	\$ 152.60
p	400 mm <sup>2</sup>	m	\$ 200.40
q	500 mm <sup>2</sup>	m	\$ 226.60
r	630 mm <sup>2</sup>	m	\$ 395.20
<b>14.1.6.1.3</b>	<b>1 x 2C</b>		
a	2.5 mm <sup>2</sup>	m	\$ 13.70
b	4 mm <sup>2</sup>	m	\$ 15.80
c	6 mm <sup>2</sup>	m	\$ 21.80
<b>14.1.6.1.4</b>	<b>1 x 3C</b>		
a	2.5 mm <sup>2</sup>	m	\$ 12.60

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>b</b>	4 mm <sup>2</sup>	m	\$ 14.30
<b>c</b>	6 mm <sup>2</sup>	m	\$ 15.20
<b>d</b>	10 mm <sup>2</sup>	m	\$ 18.30
<b>e</b>	16 mm <sup>2</sup>	m	\$ 23.00
<b>f</b>	25 mm <sup>2</sup>	m	\$ 29.80
<b>g</b>	35 mm <sup>2</sup>	m	\$ 38.40
<b>h</b>	50 mm <sup>2</sup>	m	\$ 48.00
<b>i</b>	70 mm <sup>2</sup>	m	\$ 65.00
<b>j</b>	95 mm <sup>2</sup>	m	\$ 84.10
<b>k</b>	120 mm <sup>2</sup>	m	\$ 104.10
<b>l</b>	150 mm <sup>2</sup>	m	\$ 124.00
<b>m</b>	185 mm <sup>2</sup>	m	\$ 157.60
<b>n</b>	240 mm <sup>2</sup>	m	\$ 208.20
<b>o</b>	300 mm <sup>2</sup>	m	\$ 271.40
<b>14.1.6.1.5</b>	1 x 4C		
<b>a</b>	1 mm <sup>2</sup>	m	\$ 13.30
<b>b</b>	1.5 mm <sup>2</sup>	m	\$ 16.75
<b>c</b>	2.5 mm <sup>2</sup>	m	\$ 18.93
<b>d</b>	4 mm <sup>2</sup>	m	\$ 21.77
<b>e</b>	6 mm <sup>2</sup>	m	\$ 30.40
<b>f</b>	10 mm <sup>2</sup>	m	\$ 36.88
<b>g</b>	16 mm <sup>2</sup>	m	\$ 49.25
<b>h</b>	25 mm <sup>2</sup>	m	\$ 59.34
<b>i</b>	35 mm <sup>2</sup>	m	\$ 78.10
<b>j</b>	50 mm <sup>2</sup>	m	\$ 92.18
<b>k</b>	70 mm <sup>2</sup>	m	\$ 119.21
<b>l</b>	95 mm <sup>2</sup>	m	\$ 149.97
<b>m</b>	120 mm <sup>2</sup>	m	\$ 183.83
<b>n</b>	150 mm <sup>2</sup>	m	\$ 210.24
<b>o</b>	185 mm <sup>2</sup>	m	\$ 256.55
<b>p</b>	240 mm <sup>2</sup>	m	\$ 314.72
<b>q</b>	300 mm <sup>2</sup>	m	\$ 383.89
<b>r</b>	400 mm <sup>2</sup>	m	\$ 480.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14.1.7</b>	<b>PVC Control Cable (Twisted Screen)</b>		
<b>14.1.7.1</b>	<b>1 x 1C</b>		
<b>a</b>	0.75 mm <sup>2</sup>	m	\$ 6.40
<b>b</b>	1 mm <sup>2</sup>	m	\$ 7.00
<b>c</b>	1.25 mm <sup>2</sup>	m	\$ 8.10
<b>d</b>	1.5 mm <sup>2</sup>	m	\$ 9.00
<b>e</b>	2.5 mm <sup>2</sup>	m	\$ 11.30
<b>14.1.7.2</b>	<b>1 x 2C</b>		
<b>a</b>	0.75 mm <sup>2</sup>	m	\$ 12.00
<b>b</b>	1 mm <sup>2</sup>	m	\$ 12.60
<b>c</b>	1.25 mm <sup>2</sup>	m	\$ 14.30
<b>d</b>	1.5 mm <sup>2</sup>	m	\$ 15.20
<b>e</b>	2.5 mm <sup>2</sup>	m	\$ 18.30
<b>14.1.7.3</b>	<b>1 x 3C</b>		
<b>a</b>	0.75 mm <sup>2</sup>	m	\$ 12.00
<b>b</b>	1 mm <sup>2</sup>	m	\$ 12.60
<b>c</b>	1.25 mm <sup>2</sup>	m	\$ 14.30
<b>d</b>	1.5 mm <sup>2</sup>	m	\$ 15.20
<b>e</b>	2.5 mm <sup>2</sup>	m	\$ 18.30
<b>14.1.7.4</b>	<b>1 x 4C</b>		
<b>a</b>	0.75 mm <sup>2</sup>	m	\$ 9.20
<b>b</b>	1 mm <sup>2</sup>	m	\$ 9.80
<b>c</b>	1.25 mm <sup>2</sup>	m	\$ 11.20
<b>d</b>	1.5 mm <sup>2</sup>	m	\$ 12.10
<b>e</b>	2.5 mm <sup>2</sup>	m	\$ 14.80
<b>14.1.7.5</b>	<b>1 x 5C</b>		
<b>a</b>	0.75 mm <sup>2</sup>	m	\$ 10.10
<b>b</b>	1 mm <sup>2</sup>	m	\$ 10.80
<b>c</b>	1.25 mm <sup>2</sup>	m	\$ 12.30
<b>d</b>	1.5 mm <sup>2</sup>	m	\$ 13.30
<b>e</b>	2.5 mm <sup>2</sup>	m	\$ 16.30
<b>14.2</b>	<b>Cable Containment</b>		
	<b>Supply and installation of cable trunking, ladder, tray and surface/conceal conduit inclusive of supporting brackets, fixing cleats, junction boxes, brass bushes, saddles, adapters, earthing link and all necessary accessories</b>		
<b>14.2.1</b>	<b>Conduit</b>		
<b>14.2.1.1</b>	<b>Surface</b>		
<b>14.2.1.1.1</b>	<b>Galvanised Steel</b>		
<b>a</b>	ø20	m	\$ 10.10
<b>b</b>	ø25	m	\$ 12.80
<b>c</b>	ø32	m	\$ 16.40
<b>14.2.1.1.2</b>	<b>High Impact uPVC</b>		
<b>a</b>	ø20	m	\$ 7.00
<b>b</b>	ø25	m	\$ 9.00
<b>c</b>	ø32	m	\$ 10.00
<b>14.2.1.1.3</b>	<b>Flexible With uPVC Over-Sheath</b>		
<b>a</b>	ø20	m	\$ 7.00
<b>b</b>	ø25	m	\$ 9.00
<b>c</b>	ø32	m	\$ 11.00
<b>14.2.1.2</b>	<b>Concealed (In Wall, Slab, Partition and RC)</b>		
<b>14.2.1.2.1</b>	<b>Galvanised Steel</b>		
<b>a</b>	ø20	m	\$ 10.10
<b>b</b>	ø25	m	\$ 12.80

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
c	ø32	m	\$ 16.40
14.2.1.2.2	High Impact uPVC		
a	ø20	m	\$ 7.00
b	ø25	m	\$ 9.00
c	ø32	m	\$ 10.00
14.2.2	Trunking		
14.2.2.1	Hot Dipped Galvanised Mild Steel		
a	50mm x 25mm	m	\$ 22.20
b	50mm x 50mm	m	\$ 32.20
c	75mm x 50mm	m	\$ 37.10
d	75mm x 75mm	m	\$ 44.20
e	100mm x 50mm	m	\$ 44.20
f	100mm x 75mm	m	\$ 46.10
g	100mm x 100mm	m	\$ 52.20
h	150mm x 75mm	m	\$ 46.10
i	150mm x 100mm	m	\$ 67.10
j	200mm x 75mm	m	\$ 67.10
k	200mm x 100mm	m	\$ 72.20
l	225mm x 100mm	m	\$ 80.10
m	225mm x 150mm	m	\$ 100.10
n	300mm x 150mm	m	\$ 123.20

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14.2.2.2</b>	Mild Steel Epoxy Coated		
<b>a</b>	50mm x 25mm	m	\$ 20.10
<b>b</b>	50mm x 50mm	m	\$ 29.20
<b>c</b>	75mm x 50mm	m	\$ 33.70
<b>d</b>	75mm x 75mm	m	\$ 40.10
<b>e</b>	100mm x 50mm	m	\$ 40.10
<b>f</b>	100mm x 75mm	m	\$ 41.90
<b>g</b>	100mm x 100mm	m	\$ 50.00
<b>h</b>	150mm x 75mm	m	\$ 45.00
<b>i</b>	150mm x 100mm	m	\$ 61.00
<b>j</b>	200mm x 75mm	m	\$ 65.00
<b>k</b>	200mm x 100mm	m	\$ 70.00
<b>l</b>	225mm x 100mm	m	\$ 78.00
<b>m</b>	225mm x 150mm	m	\$ 91.00
<b>n</b>	300mm x 150mm	m	\$ 112.00
<b>14.2.2.3</b>	High Impact uPVC		
<b>a</b>	50mm x 25mm	m	\$ 16.00
<b>b</b>	50mm x 50mm	m	\$ 22.00
<b>c</b>	75mm x 50mm	m	\$ 25.00
<b>d</b>	75mm x 75mm	m	\$ 28.10
<b>e</b>	100mm x 50mm	m	\$ 28.10
<b>f</b>	100mm x 75mm	m	\$ 31.00
<b>g</b>	100mm x 100mm	m	\$ 33.20
<b>h</b>	150mm x 75mm	m	\$ 32.00
<b>i</b>	150mm x 100mm	m	\$ 42.70
<b>j</b>	200mm x 75mm	m	\$ 42.70
<b>k</b>	200mm x 100mm	m	\$ 46.00
<b>l</b>	225mm x 100mm	m	\$ 51.00
<b>m</b>	225mm x 150mm	m	\$ 63.70
<b>n</b>	300mm x 150mm	m	\$ 78.40
<b>14.2.3</b>	<b>Cable Tray</b>		
<b>14.2.3.1</b>	Hot Dipped Galvanised Mild Steel		
<b>a</b>	50mm wide	m	\$ 22.00
<b>b</b>	100mm wide	m	\$ 25.00
<b>c</b>	150mm wide	m	\$ 31.00
<b>d</b>	200mm wide	m	\$ 38.10
<b>e</b>	250mm wide	m	\$ 44.90
<b>f</b>	300mm wide	m	\$ 54.60
<b>g</b>	450mm wide	m	\$ 72.40
<b>h</b>	600mm wide	m	\$ 87.00
<b>i</b>	750mm wide	m	\$ 104.00
<b>j</b>	800mm wide	m	\$ 113.00
<b>k</b>	900mm wide	m	\$ 121.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14.2.3.2</b>	Mild Steel Epoxy Coated		
<b>a</b>	50mm wide	m	\$ 21.00
<b>b</b>	100mm wide	m	\$ 24.00
<b>c</b>	150mm wide	m	\$ 31.00
<b>d</b>	200mm wide	m	\$ 38.00
<b>e</b>	250mm wide	m	\$ 42.00
<b>f</b>	300mm wide	m	\$ 49.60
<b>g</b>	450mm wide	m	\$ 65.80
<b>h</b>	600mm wide	m	\$ 83.00
<b>i</b>	750mm wide	m	\$ 95.00
<b>j</b>	800mm wide	m	\$ 102.00
<b>k</b>	900mm wide	m	\$ 110.00
<b>14.2.4</b>	<b>Cable Ladder</b>		
<b>14.2.4.1</b>	Hot Dipped Galvanised Mild Steel		
<b>a</b>	300mm	m	\$ 110.60
<b>b</b>	450mm	m	\$ 127.40
<b>c</b>	600mm	m	\$ 136.50
<b>d</b>	750mm	m	\$ 143.80
<b>e</b>	900mm	m	\$ 154.70
<b>f</b>	1000mm	m	\$ 165.00
<b>14.2.4.2</b>	Mild Steel Epoxy Coated		
<b>a</b>	300mm	m	\$ 121.70
<b>b</b>	450mm	m	\$ 140.20
<b>c</b>	600mm	m	\$ 150.20
<b>d</b>	750mm	m	\$ 158.20
<b>e</b>	900mm	m	\$ 170.20
<b>f</b>	1000mm	m	\$ 181.50
	<b>Isolator</b>		
<b>14.3</b>	<b>Supply and installation of isolator inclusive accessories etc</b>		
<b>14.3.1</b>	<b>Indoor</b>		
<b>14.3.1.1</b>	DP		
<b>a</b>	16 A	no	\$ 72.00
<b>b</b>	20 A	no	\$ 72.00
<b>c</b>	32 A	no	\$ 78.00
<b>14.3.1.2</b>	TPN		
<b>a</b>	16 A	no	\$ 78.00
<b>b</b>	20 A	no	\$ 78.00
<b>c</b>	32 A	no	\$ 91.00
<b>d</b>	40 A	no	\$ 143.00
<b>e</b>	50 A	no	\$ 143.00
<b>f</b>	60 A	no	\$ 153.00
<b>g</b>	63 A	no	\$ 153.00
<b>h</b>	80 A	no	\$ 350.00
<b>i</b>	100 A	no	\$ 350.00
<b>j</b>	150 A	no	\$ 870.00
<b>k</b>	200 A	no	\$ 962.00
<b>l</b>	250 A	no	\$ 1,076.00
<b>m</b>	300 A	no	\$ 1,295.00
<b>n</b>	400 A	no	\$ 1,430.00
<b>o</b>	500 A	no	\$ 1,590.00
<b>p</b>	600 A	no	\$ 1,835.00
<b>r</b>	800 A	no	\$ 2,500.00



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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14.3.2</b>	<b>Outdoor (Weatherproof)</b>		
<b>14.3.2.1</b>	<b>DP</b>		
<b>a</b>	16 A	no	\$ 72.00
<b>b</b>	20 A	no	\$ 78.00
<b>14.3.2.2</b>	<b>TPN</b>		
<b>a</b>	16 A	no	\$ 84.00
<b>b</b>	20 A	no	\$ 84.00
<b>c</b>	32 A	no	\$ 97.50
<b>d</b>	40 A	no	\$ 153.00
<b>e</b>	50 A	no	\$ 153.00
<b>f</b>	60 A	no	\$ 153.00
<b>g</b>	63 A	no	\$ 153.00
<b>h</b>	80 A	no	\$ 350.00
<b>i</b>	100 A	no	\$ 375.00
<b>j</b>	150 A	no	\$ 870.00
<b>k</b>	200 A	no	\$ 962.00
<b>l</b>	250 A	no	\$ 1,076.00
<b>m</b>	300 A	no	\$ 1,295.00
<b>n</b>	400 A	no	\$ 1,430.00
<b>o</b>	500 A	no	\$ 1,590.00
<b>p</b>	600 A	no	\$ 1,835.00
<b>r</b>	800 A	no	\$ 2,500.00
	<b>Starters</b>		
<b>14.4</b>	<b>Motor starters complete with overload, single-phasing and under-voltage protection, fuses, auxiliary contacts, 'Start/Stop' pushbuttons and Manual/Off/Auto selector switch</b>		
<b>a</b>	up to 2.25 kW (DOL)	no	\$ 3,933.00
<b>b</b>	3 kW (Star Delta)	no	\$ 3,933.00
<b>c</b>	3.75 kW (Star Delta)	no	\$ 3,933.00
<b>d</b>	5.63 kW (Star Delta)	no	\$ 3,933.00
<b>e</b>	7.5 kW (Star Delta)	no	\$ 3,933.00
<b>f</b>	11.25 kW (Star Delta)	no	\$ 3,933.00
<b>g</b>	15 kW (Star Delta)	no	\$ 3,975.00
<b>h</b>	18.75 kW (Star Delta)	no	\$ 4,017.00
<b>i</b>	22.5 kW (Star Delta)	no	\$ 4,517.00
<b>j</b>	30 kW (Star Delta)	no	\$ 4,800.00
<b>k</b>	37.5 kW (Star Delta)	no	\$ 4,800.00
<b>l</b>	56.25 kW (Auto-transformer)	no	\$ 5,350.00
<b>m</b>	75 kW (Auto-transformer)	no	\$ 5,633.00
<b>n</b>	113 kW (Auto-transformer)	no	\$ 7,192.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.2 SCHEDULE OF RATES - MEP (Air-Conditioning and Mechanical Ventilation Works)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14.5</b>	<b>Variable Speed Drive</b>		
<b>a</b>	0.75kW	no	\$ 8,167.00
<b>b</b>	1.5kW	no	\$ 8,167.00
<b>c</b>	2.2kW	no	\$ 8,167.00
<b>d</b>	3.7kW	no	\$ 8,167.00
<b>e</b>	5.5kW	no	\$ 8,167.00
<b>f</b>	7.5kW	no	\$ 8,167.00
<b>g</b>	11kW	no	\$ 9,333.00
<b>h</b>	15kW	no	\$ 10,500.00
<b>i</b>	18.5kW	no	\$ 11,917.00
<b>j</b>	22kW	no	\$ 14,000.00
<b>k</b>	30kW	no	\$ 16,667.00
<b>l</b>	37kW	no	\$ 16,667.00
<b>m</b>	45kW	no	\$ 19,333.00
<b>o</b>	55kW	no	\$ 22,583.00
<b>p</b>	75kW	no	\$ 26,000.00
<b>q</b>	90kW	no	\$ 30,583.00
<b>r</b>	110kW	no	\$ 33,250.00
<b>MBC</b>	4 kW	no	
<b>MBC</b>	19.2 kW	no	
<b>MBC</b>	45 kW	no	
	<b>Control Panels</b>		
<b>14.6</b>	<b>Supply and installation of LMCP c/w MCBs, MCCBs, busbar, ampere / voltage meters, indicators, relays,</b>		
<b>a</b>	below 2.2 kW	no	\$ 2,500.00
<b>b</b>	2.2 kW	no	\$ 2,800.00
<b>c</b>	3.75 kW	no	\$ 3,500.00
<b>d</b>	5.5 kW	no	\$ 4,500.00
<b>e</b>	7.5 kW	no	\$ 6,500.00
<b>f</b>	12 kW	no	\$ 8,000.00
<b>g</b>	15 kW	no	\$ 10,000.00
<b>h</b>	30 kW	no	\$ 13,500.00
<b>i</b>	50 kW	no	\$ 16,500.00
<b>j</b>	75 kW	no	\$ 20,000.00
<b>k</b>	100 kW	no	\$ 25,000.00
<b>MBC</b>	5.7 kW	no	
<b>MBC</b>	20 kW	no	
<b>MBC</b>	42 kW	no	
<b>MCC</b>	Centralised Control Panel	no	\$ 19,884.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1</b>	<b>ELECTRICAL EQUIPMENT AND COMPONENTS</b>		
<b>1.1</b>	<b>HV Switchgear</b>		
<b>1.1.1</b>	<b>Panel complete with protection devices, batteries, chargers and necessary accessories</b>		
1.1.1.1	Incoming panel inclusive authority metering CTs, VTs and etc.	no	\$ 91,348.00
1.1.1.2	Transformer feeder panel	no	\$ 64,486.00
1.1.1.3	Outgoing feeder panel	no	\$ 64,775.50
1.1.1.4	Bus-section panel	no	\$ 87,292.00
1.1.1.5	Authority metering panel	no	\$ 5,019.00
<b>1.1.2</b>	<b>Transducer (4-20mA output)</b>		
1.1.2.1	Current	no	\$ 1,040.00
1.1.2.2	Voltage	no	\$ 1,040.00
1.1.2.3	Reactive power	no	\$ 1,560.00
1.1.2.4	Power factor	no	\$ 1,560.00
1.1.2.5	kWhr	no	\$ 1,560.00
<b>1.1.3</b>	<b>Digital Protection Relay</b>	no	\$ 5,324.00
<b>1.1.4</b>	<b>Miscellaneous</b>		
1.1.4.1	Remote control panels	no	\$ 2,101.00
1.1.4.2	110V charging system with battery charger, batteries and DCDB as spacificied.	no	\$ 28,750.00
1.1.4.3	22kv Battery & Battery Charger satellite substation (30V DC)	no	\$ 60,036.50
1.1.4.4	Marshalling Panel with PLC	no	\$ 6,450.00
1.1.4.5	PMS Rack 600(W) x 650(D) with Fibre Switch and fibre termination (Temp CSR x 2)	no	\$ 32,205.00
	PMS Rack (1200mm(W) x 600mm(D) x 2000mm(H)) with Fibre Switch and fibre termination	no	
<b>1.2</b>	<b>Transformer</b>		
<b>1.2.1</b>	<b>Dry type</b>		
a	630 kVA	no	\$ 40,684.00
b	800 kVA	no	\$ 55,000.00
c	1000 kVA	no	\$ 75,000.00
d	1500 kVA	no	\$ 80,000.00
e	2000 kVA	no	\$ 85,000.00
f	2500 kVA	no	\$ 95,000.00
g	3000 kVA	no	\$ 105,000.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
h	4000 kVA	no	\$ 130,000.00
<b>1.2.2</b>	<b>Oil type</b>		
a	630 kVA	no	\$ 39,000.00
b	800 kVA	no	\$ 54,000.00
c	1000 kVA	no	\$ 76,000.00
d	1500 kVA	no	\$ 85,000.00
e	2000 kVA	no	\$ 88,000.00
f	2500 kVA	no	\$ 103,000.00
g	3000 kVA	no	\$ 107,000.00
h	4000 kVA	no	\$ 120,000.00
<b>T4SOR</b>	<b>500 kVA</b>	no	
<b>1.2.3</b>	<b>Biodegradable FR3 Oil type</b>		
a	630 kVA	no	\$ 43,459.50
b	800 kVA	no	\$ 58,981.00
c	1000 kVA	no	\$ 81,343.00
d	1500 kVA	no	\$ 90,541.00
e	2000 kVA	no	\$ 92,093.00
f	2500 kVA	no	\$ 113,381.00
g	3000 kVA	no	\$ 113,822.50
h	4000 kVA	no	\$ 139,691.50
<b>MBC</b>	<b>3500 kVA</b>		
<b>1.2.3</b>	<b>Isolating Transformer</b>		
a	15 W	no	\$ 963.00
b	25 W	no	\$ 5,000.00
c	35 W	no	\$ 12,500.00
d	45 W	no	\$ 13,000.00
e	50 W	no	\$ 14,000.00
f	60 W	no	\$ 15,000.00
g	75 W	no	\$ 16,000.00
h	90 W	no	\$ 16,500.00
i	100 W	no	\$ 18,000.00
j	150 W	no	\$ 20,000.00
k	200 W	no	\$ 22,506.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.3</b>	<b>Standby Generator</b>		
	<b>Indoor Type</b>		
<b>1.3.1</b>	<b>Indoor type generator inclusive of control panel, day tank, pipework and associated accessories.</b>		
a	750 kVA	no	\$ 235,290.00
b	1000 kVA	no	\$ 347,060.00
c	1250 kVA	no	\$ 385,020.00
d	1500 kVA	no	\$ 459,885.00
e	1600 kVA	no	\$ 518,708.00
f	2000 kVA	no	\$ 604,268.00
g	2500 kVA	no	\$ 721,913.00
h	3000 kVA	no	\$ 1,395,000.00
<b>T4 SOR</b>	<b>500 kVA</b>		
<b>MBC</b>	<b>3500 kVA</b>		
<b>MCC</b>	<b>Mobile Generator connection box</b>		
<b>1.3.2</b>	<b>Outdoor Type</b>		
	<b>Outdoor type generator inclusive sound proof &amp; weatherproof</b>		
a	750 kVA	no	\$ 256,680.00
b	1000 kVA	no	\$ 352,950.00
c	1250 kVA	no	\$ 406,410.00
d	1500 kVA	no	\$ 491,970.00
e	1600 kVA	no	\$ 550,793.00
f	2000 kVA	no	\$ 636,353.00
g	2500 kVA	no	\$ 759,345.00
h	3000 kVA	no	\$ 1,450,000.00
<b>1.3.1.3</b>	<b><u>Diesel Storage Tank</u></b>		
	Diesel Storage Tank (within 50m away from GENSET.) Supply and installation, inclusive of support, leak proofing coating, floor mounted spring isolator and all associated ancillary accessories.		
a	Diesel Storage Tank 3000L	no	\$ 20,000.00
b	Diesel Storage Tank 4000L	no	\$ 21,180.00
c	Diesel Storage Tank 5000L	no	\$ 21,390.00
d	Diesel Storage Tank 8000L	no	\$ 35,000.00
e	Underground Concrete Diesel Storage Tank 3000L	no	\$ 64,800.00
f	Underground Concrete Diesel Storage Tank 4000L	no	\$ 82,400.00
g	Underground Concrete Diesel Storage Tank 5000L	no	\$ 100,000.00
h	Underground Concrete Diesel Storage Tank 8000L	no	\$ 136,000.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.4</b>	<b>Underground Fuel Tank</b> <b>Underground Fuel Tank inclusive of fuel pump control panel, fuel pumps (duty/standby), fuel infill panel, valves, accessories, PE endorsement including pipes and all other accessories.</b>		
<b>1.4.1</b>	<b>Underground Fuel Tank</b>		
a	3500L	no	\$ 200,000.00
b	5000L	no	\$ 200,000.00
c	7000L	no	\$ 230,000.00
d	7000L (Double Wall)	no	\$ 230,000.00
e	8000L	no	\$ 230,000.00
f	8000L (Double Wall)	no	\$ 230,000.00
g	8500L	no	\$ 245,985.00
h	10000L (Double Wall)	no	\$ 278,070.00
i	13500L	no	\$ 299,460.00
MBC	30000L ( Double Wall)		
MBC	40000L ( Double Wall)		
MBC	50000L ( Double Wall)		
MBC	60000L ( Double Wall)		
1.4.2	50mm dia fuel pipe (2-hr Fire rated)	m	\$ 450.00
1.4.3	75mm dia HDPE pipe	m	\$ 800.00
1.4.4	1000L Fuel Day Tank	no	\$ 20,000.00
MCC	Generator AMF Panel (FHPH)		
MCC	Generator Room Distribution Board for Fuel Pump and Battery Charging		
MCC	Fuel Transfer Pumpset in Fuel Pump Room		
MCC	Fuel/Vent Pipe		
	SCH40		
	100 dia	m	
	80 dia	m	
	50 dia	m	
MCC	Control Cable Fuel Pump to Tanks	m	
MCC	Filling Pipe w/ quick Release Coupling	no	
MCC	Fuel Infill point monitoring panel w/ outdoor SS Enclosure	no	
<b>1.5</b>	<b>Distribution Board</b> <b>MCB distribution board inclusive enclosure, neutral &amp; earth terminal block clamping rails, comb bar (exclude MCB and protective devices) etc.</b>		
<b>1.5.1</b>	<b>60A DP Main Switch</b>		
a	6 ways	no	\$ 38.50
b	8 ways	no	\$ 38.50
c	10 ways	no	\$ 38.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

				Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE	
d	12 ways	no	\$	38.50
e	18 ways	no	\$	38.50
1.5.2	60A TPN Main Switch			
a	12 ways	no	\$	56.00
b	18 ways	no	\$	56.00
c	24 ways	no	\$	56.00
d	36 ways	no	\$	56.00
1.5.3	100A DP Main Switch			
a	6 ways	no	\$	65.50
b	8 ways	no	\$	65.50
c	10 ways	no	\$	65.50
d	12 ways	no	\$	65.50
e	18 ways	no	\$	65.50
1.5.4	100A TPN Main Switch			
a	12 ways	no	\$	70.50
b	18 ways	no	\$	70.50
c	24 ways	no	\$	70.50
d	36 ways	no	\$	70.50
1.5.5	200A TPN Main Switch			
a	12 ways	no	\$	141.00
b	18 ways	no	\$	141.00
c	24 ways	no	\$	141.00
d	36 ways	no	\$	141.00
1.5.6	300A TPN Main Switch			
a	12 ways	no	\$	160.50
b	18 ways	no	\$	160.50
c	24 ways	no	\$	160.50
d	36 ways	no	\$	160.50
1.5.7	400A TPN Main Switch			
a	12 ways	no	\$	160.50
b	18 ways	no	\$	160.50
c	24 ways	no	\$	160.50
d	36 ways	no	\$	160.50
1.5.8	500A TPN Main Switch			
a	12 ways	no	\$	310.50
b	18 ways	no	\$	310.50
c	24 ways	no	\$	310.50
d	36 ways	no	\$	310.50

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.6</b>	<b>Metering Panels / Boards / Instruments</b>		
	<b>Metering Panel</b>		
<b>1.6.1</b>	<b>Metering panel inclusive MCB, isolator, panel and space for meter to Singapore Power Grid approved type</b>		
<b>1.6.1.1</b>	<b>1-phase</b>		
a	60A	no	\$ 341.50
b	100A	no	\$ 373.00
<b>T4 SOR</b>	<b>40A</b>	<b>no</b>	
<b>1.6.1.2</b>	<b>3-phase</b>		
a	60A	no	\$ 488.50
b	100A	no	\$ 510.50
c	200A	no	\$ 1,961.00
d	300A	no	\$ 2,328.50
e	500A	no	\$ 4,015.00
<b>1.6.2</b>	<b>Indicating Instruments</b>		
<b>1.6.2.1</b>	<b>Analogue Meter</b>		
i	Ammeter inclusive selector switch & CTs	no	\$ 196.00
ii	Voltmeter inclusive selector switch	no	\$ 93.50
<b>1.6.2.2</b>	<b>Digital Meter</b>		
i	Power meter	no	\$ 1,000.00
ii	Power quality meter	no	\$ 3,000.00
<b>1.6.2.3</b>	<b>Over-ground (OG) Switch Panel (<u>Enclosure Only</u>)</b>		
i	63A TPN	no	\$ 973.00
ii	100A TPN	no	\$ 941.00
iii	150A TPN	no	\$ 941.00
iv	200A TPN	no	\$ 941.00
v	250A TPN	no	\$ 941.00
vi	300A TPN	no	\$ 1,164.50
vii	400A TPN	no	\$ 1,164.50
viii	630A TPN	no	\$ 1,164.50
ix	800A TPN	no	\$ 1,397.00
x	1000A TPN	no	\$ 1,397.00
xi	1250A TPN	no	\$ 3,770.00
<b>MCC</b>	<b>OG box (800A)</b>	<b>no</b>	
<b>MCC</b>	<b>OG box (630A)</b>	<b>no</b>	
<b>MCC</b>	<b>OG box (100A)</b>	<b>no</b>	



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.7</b>	<b>Cable Tap-Off Boxes</b>		
	<b>Cable tap off box including 4 nos HRC fuses, circuit breakers and 3 nos four way branching connectors</b>		
a	200A	no	\$ 642.00
b	250A	no	\$ 642.00
c	300A	no	\$ 971.00
d	350A	no	\$ 971.00
e	400A	no	\$ 1,312.50
f	500A	no	\$ 1,552.50
g	600A	no	\$ 1,583.50
h	700A	no	\$ 2,499.00
i	800A	no	\$ 2,499.00
j	1000A	no	\$ 3,038.50
<b>1.8</b>	<b>Transfer Switches</b>		
<b>1.8.1</b>	<b>Manual Transfer Switch (MTS)</b>		
<b>1.8.1.1</b>	<b>Breaking Capacity of 50kA</b>		
a	300 A	no	\$ 850.00
b	500 A	no	\$ 1,071.00
c	800 A	no	\$ 1,938.50
d	1000 A	no	\$ 2,415.50
e	1250 A	no	\$ 2,415.50
f	3000 A	no	\$ 7,773.50
g	3200 A	no	\$ 7,773.50
<b>1.8.1.2</b>	<b>Breaking Capacity of 80kA</b>		
a	300 A	no	\$ 1,518.00
b	500 A	no	\$ 1,943.00
c	800 A	no	\$ 3,220.00
d	1000 A	no	\$ 4,243.00
e	1250 A	no	\$ 4,278.00
f	3000 A	no	\$ 12,000.00
g	3200 A	no	\$ 12,834.00
<b>1.8.2</b>	<b>Automatic Transfer Switch (ATS)</b>		
<b>1.8.2.1</b>	<b>Breaking Capacity of 50kA</b>		
a	300 A	no	\$ 3,888.00
b	500 A	no	\$ 5,445.00
c	800 A	no	\$ 11,290.50
d	1000 A	no	\$ 11,798.50
e	1250 A	no	\$ 12,374.00
f	3000 A	no	\$ 18,625.50
g	3200 A	no	\$ 18,625.50
<b>1.8.2.2</b>	<b>Breaking Capacity of 80kA</b>		

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13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
a	300 A	no	\$ 4,393.00
b	500 A	no	\$ 5,822.00
c	800 A	no	\$ 12,896.50
d	1000 A	no	\$ 13,524.50
e	1250 A	no	\$ 14,270.50
f	3000 A	no	\$ 21,298.50
g	3200 A	no	\$ 21,298.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.9</b>	<b>Moulded Case Circuit Breaker (MCCB)</b> <b>In any switchboard, distribution board inclusive of thermal/magnetic trip, all connections, additional casing space, etc.</b>		
<b>1.9.1.1</b>	<b>Breaking Capacity of 25kA DP</b>		
a	16 A	no	\$ 48.00
b	20 A	no	\$ 48.00
c	32 A	no	\$ 48.00
d	40 A	no	\$ 48.00
e	50 A	no	\$ 48.00
f	63 A	no	\$ 48.00
g	80 A	no	\$ 48.00
h	100 A	no	\$ 48.00
<b>1.9.1.2</b>	<b>Breaking Capacity of 25kA TP</b>		
a	16 A	no	\$ 69.50
b	20 A	no	\$ 69.50
c	32 A	no	\$ 69.50
d	40 A	no	\$ 69.50
e	50 A	no	\$ 69.50
f	63 A	no	\$ 69.50
g	80 A	no	\$ 69.50
h	100 A	no	\$ 97.50
i	125 A	no	\$ 97.50
j	150 A	no	\$ 165.00
k	200 A	no	\$ 165.00
l	250 A	no	\$ 165.00
m	300 A	no	\$ 547.50
n	350 A	no	\$ 572.50
o	400 A	no	\$ 597.50
<b>1.9.1.3</b>	<b>Breaking Capacity of 25kA 4P</b>		
a	16 A	no	\$ 86.00
b	20 A	no	\$ 86.00
c	32 A	no	\$ 86.00
d	40 A	no	\$ 86.00
e	50 A	no	\$ 86.00
f	63 A	no	\$ 86.00
g	80 A	no	\$ 86.00
h	100 A	no	\$ 143.00
i	125 A	no	\$ 143.00
j	150 A	no	\$ 143.00
k	200 A	no	\$ 143.00
l	250 A	no	\$ 143.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
m	300 A	no	\$ 561.50
n	350 A	no	\$ 572.50
o	400 A	no	\$ 597.50
<b>1.9.1.4 Breaking Capacity of 36kA DP</b>			
a	63 A	no	\$ 98.00
b	80 A	no	\$ 144.00
c	100 A	no	\$ 218.00
d	125 A	no	\$ 217.00
e	150 A	no	\$ 230.00
f	200 A	no	\$ 234.00
g	250 A	no	\$ 234.00
h	300 A	no	\$ 650.00
i	350 A	no	\$ 650.00
j	400 A	no	\$ 650.00
k	500 A	no	\$ 947.00
l	600 A	no	\$ 947.00
m	700 A	no	\$ 1,236.00
n	800 A	no	\$ 1,236.00
o	1000 A	no	\$ 1,492.50
p	1250 A	no	\$ 1,694.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.9.1.5</b>	Breaking Capacity of 36kA TP		
a	63 A	no	\$ 94.50
b	80 A	no	\$ 139.00
c	100 A	no	\$ 226.00
d	125 A	no	\$ 225.00
e	150 A	no	\$ 226.00
f	200 A	no	\$ 226.00
g	250 A	no	\$ 226.00
h	300 A	no	\$ 673.00
i	350 A	no	\$ 673.00
j	400 A	no	\$ 673.00
k	500 A	no	\$ 980.00
l	600 A	no	\$ 980.00
m	700 A	no	\$ 1,411.00
n	800 A	no	\$ 1,411.00
o	1000 A	no	\$ 1,486.00
p	1250 A	no	\$ 1,875.00
<b>T4SOR</b>	<b>225A</b>		
<b>1.9.1.6</b>	Breaking Capacity of 36kA 4P		
a	63 A	no	\$ 135.00
b	80 A	no	\$ 221.50
c	100 A	no	\$ 221.50
d	125 A	no	\$ 221.50
e	150 A	no	\$ 221.50
f	200 A	no	\$ 381.00
g	250 A	no	\$ 381.00
h	300 A	no	\$ 668.00
i	350 A	no	\$ 688.00
j	400 A	no	\$ 718.00
k	500 A	no	\$ 864.00
l	600 A	no	\$ 888.00
m	700 A	no	\$ 1,507.00
n	800 A	no	\$ 1,507.00
o	1000 A	no	\$ 1,779.00
p	1250 A	no	\$ 2,455.00
<b>1.9.1.7</b>	Breaking Capacity of 50kA DP		
a	200 A	no	\$ 516.00
b	250 A	no	\$ 516.00
c	300 A	no	\$ 516.00
d	350 A	no	\$ 516.00
e	400 A	no	\$ 516.00
f	500 A	no	\$ 552.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
g	600 A	no	\$ 552.00
h	700 A	no	\$ 1,059.00
i	800 A	no	\$ 1,059.00
j	1000 A	no	\$ 1,178.00
k	1250 A	no	\$ 1,500.00
l	1600 A	no	\$ 2,376.00
m	2000 A	no	\$ 3,131.00
<b>1.9.1.8</b>	<b>Breaking Capacity of 50kA TP</b>		
a	200 A	no	\$ 534.00
b	250 A	no	\$ 534.00
c	300 A	no	\$ 534.00
d	350 A	no	\$ 534.00
e	400 A	no	\$ 534.00
f	500 A	no	\$ 534.00
g	600 A	no	\$ 534.00
h	700 A	no	\$ 1,096.00
i	800 A	no	\$ 1,096.00
j	1000 A	no	\$ 1,219.00
k	1250 A	no	\$ 1,552.50
l	1600 A	no	\$ 2,459.00
m	2000A	no	\$ 3,240.00
<b>T4SOR</b>	<b>225A</b>	<b>no</b>	

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.9.1.9</b>	Breaking Capacity of 50kA 4P		
a	200 A	no	\$ 468.00
b	250 A	no	\$ 652.00
c	300 A	no	\$ 652.00
d	350 A	no	\$ 652.00
e	400 A	no	\$ 652.00
f	500 A	no	\$ 830.00
g	600 A	no	\$ 830.00
h	700 A	no	\$ 1,387.00
i	800 A	no	\$ 1,387.00
j	1000 A	no	\$ 1,637.00
k	1250 A	no	\$ 2,259.00
l	1600 A	no	\$ 3,636.50
m	2000A	no	\$ 5,526.00
<b>1.10</b>	<b>Miniature Circuit Breaker (MCB)</b> <b>In any switchboard, distribution board inclusive of thermal/magnetic trip, all connections, additional casing space, etc.</b>		
<b>1.10.1.1</b>	Breaking Capacity of 6kA SP		
a	6 A	no	\$ 4.50
b	10 A	no	\$ 4.50
c	16 A	no	\$ 4.50
d	20 A	no	\$ 4.50
e	32 A	no	\$ 4.50
f	40 A	no	\$ 6.50
g	50 A	no	\$ 16.00
h	63 A	no	\$ 16.00
i	80 A	no	\$ 63.50
j	100 A	no	\$ 69.50
<b>1.10.1.2</b>	Breaking Capacity of 6kA DP		
a	6 A	no	\$ 17.00
b	10 A	no	\$ 17.00
c	16 A	no	\$ 17.00
d	20 A	no	\$ 17.00
e	32 A	no	\$ 17.00
f	40 A	no	\$ 17.00
g	50 A	no	\$ 31.50
h	63 A	no	\$ 25.00
i	80 A	no	\$ 75.50
j	100 A	no	\$ 80.50
<b>1.10.1.3</b>	Breaking Capacity of 6kA TP		

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
a	16 A	no	\$ 26.00
b	20 A	no	\$ 26.00
c	32 A	no	\$ 26.00
d	40 A	no	\$ 26.00
e	50 A	no	\$ 42.50
f	63 A	no	\$ 42.50
g	80 A	no	\$ 109.00
h	100 A	no	\$ 114.00
i	125 A	no	\$ 128.00
<b>1.10.1.4</b>	<b>Breaking Capacity of 6kA 4P</b>		
a	16 A	no	\$ 59.00
b	20 A	no	\$ 59.00
c	32 A	no	\$ 59.00
d	40 A	no	\$ 59.00
e	50 A	no	\$ 66.50
f	63 A	no	\$ 66.50
g	80 A	no	\$ 160.00
h	100 A	no	\$ 172.50
i	125 A	no	\$ 205.00



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.10.1.5</b>	Breaking Capacity of 10kA SP		
a	6 A	no	\$ 6.50
b	10 A	no	\$ 6.50
c	16 A	no	\$ 6.50
d	20 A	no	\$ 6.50
e	32 A	no	\$ 6.50
f	40 A	no	\$ 9.50
g	50 A	no	\$ 19.00
h	63 A	no	\$ 19.00
i	80 A	no	\$ 22.00
j	100 A	no	\$ 30.50
<b>1.10.1.6</b>	Breaking Capacity of 10kA DP		
a	6 A	no	\$ 18.00
b	10 A	no	\$ 18.00
c	16 A	no	\$ 18.00
d	20 A	no	\$ 18.00
e	32 A	no	\$ 18.00
f	40 A	no	\$ 22.00
g	50 A	no	\$ 27.00
h	63 A	no	\$ 27.00
i	80 A	no	\$ 29.00
j	100 A	no	\$ 34.50
<b>1.10.1.7</b>	Breaking Capacity of 10kA TP		
a	16 A	no	\$ 27.00
b	20 A	no	\$ 27.00
c	32 A	no	\$ 27.00
d	40 A	no	\$ 27.00
e	50 A	no	\$ 57.00
f	63 A	no	\$ 46.00
g	80 A	no	\$ 57.00
h	100 A	no	\$ 66.50
i	125 A	no	\$ 85.00
<b>1.10.1.8</b>	Breaking Capacity of 10kA 4P		
a	16 A	no	\$ 82.00
b	20 A	no	\$ 82.00
c	32 A	no	\$ 82.00
d	40 A	no	\$ 82.00
e	50 A	no	\$ 106.00
f	63 A	no	\$ 106.00
g	80 A	no	\$ 108.00
h	100 A	no	\$ 126.50
i	125A	no	\$ 141.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.10.1.9</b>	Breaking Capacity of 15kA SP		
a	6 A	no	\$ 9.50
b	10 A	no	\$ 9.50
c	16 A	no	\$ 9.50
d	20 A	no	\$ 12.50
e	32 A	no	\$ 23.00
f	40 A	no	\$ 23.00
g	50 A	no	\$ 23.00
h	63 A	no	\$ 23.00
i	80 A	no	\$ 26.00
j	100 A	no	\$ 33.50
<b>1.10.1.10</b>	Breaking Capacity of 15kA DP		
a	6 A	no	\$ 27.00
b	10 A	no	\$ 27.00
c	16 A	no	\$ 27.00
d	20 A	no	\$ 27.00
e	32 A	no	\$ 27.00
f	40 A	no	\$ 39.50
g	50 A	no	\$ 59.00
h	63 A	no	\$ 61.50
i	80 A	no	\$ 64.50
j	100 A	no	\$ 65.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.10.1.11</b>	<b>Breaking Capacity of 15kA TP</b>		
a	16 A	no	\$ 41.50
b	20 A	no	\$ 41.50
c	32 A	no	\$ 42.50
d	40 A	no	\$ 42.50
e	50 A	no	\$ 71.50
f	63 A	no	\$ 71.50
g	80 A	no	\$ 75.00
h	100 A	no	\$ 80.00
i	125A	no	\$ 101.50
<b>1.10.1.12</b>	<b>Breaking Capacity of 15kA 4P</b>		
a	16 A	no	\$ 100.50
b	20 A	no	\$ 100.50
c	32 A	no	\$ 100.50
d	40 A	no	\$ 100.50
e	50 A	no	\$ 116.00
f	63 A	no	\$ 116.00
g	80 A	no	\$ 158.50
h	100 A	no	\$ 168.00
i	125A	no	\$ 284.00
<b>1.11</b>	<b>Residual Current Circuit Breakers (RCCB)</b>		
	<b>In any switchboard, distribution board inclusive of all</b>		
<b>1.11.1</b>	<b>Breaking Capacity of 15kA 4P</b>		
<b>1.11.1.1</b>	<b>30 mA Sensitivity</b>		
a	40 A, 2-pole, 230V	no	\$ 26.00
b	63 A, 2-pole, 230V	no	\$ 33.50
c	100 A, 2-pole, 230V	no	\$ 59.00
d	40 A, 4-pole, 400V	no	\$ 42.50
e	63 A, 4-pole, 400V	no	\$ 64.50
f	100 A, 4-pole, 400V	no	\$ 155.50
ii	<b>100 mA Sensitivity</b>		
a	40 A, 2-pole, 230V	no	\$ 46.00
b	63 A, 2-pole, 230V	no	\$ 53.00
c	100 A, 2-pole, 230V	no	\$ 98.50
d	40 A, 4-pole, 400V	no	\$ 46.00
e	63 A, 4-pole, 400V	no	\$ 76.00
f	100 A, 4-pole, 400V	no	\$ 98.50
<b>1.11.1.2</b>	<b>300 mA Sensitivity</b>		
	IRCD		
a	40 A, 2-pole, 230V	no	\$ 36.50
b	63 A, 2-pole, 230V	no	\$ 47.00
c	100 A, 2-pole, 230V	no	\$ 99.50
d	40 A, 4-pole, 400V	no	\$ 114.00
e	63 A, 4-pole, 400V	no	\$ 114.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
f	100 A, 4-pole, 400V	no	\$ 213.50
<b>1.12</b>	<b>Air Circuit Breakers (ACB)</b> <b>ACB (400V) in cubicle panel inclusive accessories, shunt trip, locking devices, relays, indicating lights, fuses, meter, etc.</b>		
<b>1.12.1</b>	<b>Breaking Capacity 50kA TPN</b>		
a	1000 A	no	\$ 4,395.00
b	1250 A	no	\$ 4,700.00
c	1600 A	no	\$ 4,996.00
d	2000 A	no	\$ 5,263.00
e	2500 A	no	\$ 6,899.00
f	3200 A	no	\$ 7,805.50
<b>1.12.2</b>	<b>Breaking Capacity 80kA TPN</b>		
a	1000 A	no	\$ 5,258.00
b	1250 A	no	\$ 5,631.50
c	1600 A	no	\$ 6,026.50
d	2000 A	no	\$ 6,460.00
e	2500 A	no	\$ 7,630.50
f	3000 A	no	\$ 9,141.00
g	4000 A	no	\$ 13,421.00
h	5000 A	no	\$ 24,867.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.13</b>	<b>Earth Leakage Relay (ELR)</b> <b>ELR (TPN) inclusive accessories, shunt trip, locking devices, relays, indicating lights, fuses, meter, etc</b>		
<b>1.13.1</b>	<b>ZCT</b>		
a	100A	no	\$ 385.00
b	200A	no	\$ 385.00
c	300A	no	\$ 385.00
<b>1.14</b>	<b>Earth Fault Relay (EFR)</b> <b>Earth fault relay (400V) inclusive accessories, shunt trip, locking devices, relays, indicating lights, fuses, meter, etc.</b>		
a	200 A	no	\$ 712.00
b	250 A	no	\$ 712.00
c	300 A	no	\$ 712.00
d	400 A	no	\$ 724.50
e	500 A	no	\$ 792.00
f	600 A	no	\$ 815.50
g	800 A	no	\$ 850.00
h	1000 A	no	\$ 895.50
i	1250 A	no	\$ 945.00
j	1600 A	no	\$ 978.00
k	2000 A	no	\$ 1,055.50
l	2500 A	no	\$ 1,160.00
m	3000 A	no	\$ 1,263.50
n	4000 A	no	\$ 1,344.50
<b>1.15</b>	<b>Isolator</b> <b>Isolator inclusive accessories, etc.</b>		
<b>1.15.1</b>	<b>Indoor - DP</b>		
a	16A	no	\$ 78.00
b	32A	no	\$ 84.00
c	63A	no	\$ 153.00
d	100 A	no	\$ 350.00
<b>MCC</b>	<b>20A</b>		
<b>1.15.2</b>	<b>Indoor - TPN</b>		
a	16A	no	\$ 84.00
b	32A	no	\$ 98.00
c	63A	no	\$ 153.00
d	100 A	no	\$ 350.00
e	150 A	no	\$ 870.00
f	200 A	no	\$ 962.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
g	250 A	no	\$ 1,076.00
h	300 A	no	\$ 1,295.00
i	400 A	no	\$ 1,430.00
j	500 A	no	\$ 1,590.00
k	600 A	no	\$ 1,835.00
l	800 A	no	\$ 2,500.00
m	1000 A	no	\$ 2,935.00
MCC	20A	no	
MCC	30A	no	
MCC	60A	no	
<b>1.15.3</b>	<b>In Cubicle - TPN</b>		
a	100 A	no	\$ 304.00
b	200 A	no	\$ 587.00
c	300 A	no	\$ 982.00
d	400 A	no	\$ 1,190.00
e	500 A	no	\$ 1,305.00
<b>1.15.4</b>	<b>Outdoor (Weatherproof) - DP</b>		
a	16A	no	\$ 78.00
b	32A	no	\$ 84.00
c	63A	no	\$ 153.00
d	100 A	no	\$ 350.00
<b>1.15.5</b>	<b>Outdoor (Weatherproof) - TPN</b>		
a	16A	no	\$ 84.00
b	32A	no	\$ 98.00
c	63A	no	\$ 153.00
d	100 A	no	\$ 350.00
e	150 A	no	\$ 870.00
f	200 A	no	\$ 962.00
g	250 A	no	\$ 1,076.00
h	300 A	no	\$ 1,295.00
i	400 A	no	\$ 1,430.00
j	500 A	no	\$ 1,590.00
k	600 A	no	\$ 1,835.00
l	800 A	no	\$ 2,500.00
m	1000 A	no	\$ 2,935.00
	<b>Indoor - 1P</b>		
MCC	60A		
<b>1.16</b>	<b>Time Switches / Contactors</b>		
<b>1.16.1</b>	<b>Time Switch</b>	no	\$ 79.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1.17</b>	<b>Fuse</b>		
<b>1.17.1</b>	<b>HRC Inclusive Accessories</b>		
1.17.1.1	Fuse and Holder		
a	10 A	no	\$ 44.50
b	16 A	no	\$ 44.50
c	20A	no	\$ 44.50
d	32A	no	\$ 44.50
e	63 A	no	\$ 44.50
f	100 A	no	\$ 44.50
g	160 A	no	\$ 57.00
h	200 A	no	\$ 57.00
i	315 A	no	\$ 81.00
<b>2</b>	<b>CABLE</b> Cables drawn into vertical and/or horizontal cable ladder, tray, trunking, surface/concealed conduit trench, chamber inclusive supporting brackets, fixing cleats, cable lugs, terminations, jointing, accessories, appropriate <b>circuit protective conductor</b> , etc. (excluded conduit, trunking, tray, ladder, trench and chamber unless otherwise stated)		
<b>2.1</b>	<b>XLPE / DSTA / PVC HV Cable</b>		
<b>2.1.1</b>	<b>Underground HV cable inclusive sand, cable slab, trenching, excavation, backfilling, reinstatement etc</b>		
2.1.1.1	6.6kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 129.50
b	185 mm <sup>2</sup>	m	\$ 212.00
c	300 mm <sup>2</sup>	m	\$ 263.00
2.1.1.2	11kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 149.00
b	185 mm <sup>2</sup>	m	\$ 220.00
c	300 mm <sup>2</sup>	m	\$ 274.50
2.1.1.3	22kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 159.00
b	185 mm <sup>2</sup>	m	\$ 227.00
c	300 mm <sup>2</sup>	m	\$ 281.50
<b>2.1.2</b>	<b>HV cables drawn into cable trench / chamber / uPVC pipes</b>		
2.1.2.1	6.6kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 129.50
b	185 mm <sup>2</sup>	m	\$ 212.00
c	300 mm <sup>2</sup>	m	\$ 263.00
2.1.2.2	11kV (3 core)		

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
a	95 mm <sup>2</sup>	m	\$ 149.00
b	185 mm <sup>2</sup>	m	\$ 220.00
c	300 mm <sup>2</sup>	m	\$ 274.50
2.1.2.3	22kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 159.00
b	185 mm <sup>2</sup>	m	\$ 227.00
c	300 mm <sup>2</sup>	m	\$ 281.50
2.1.2.4	CU/XLPE/CTS/LSZH/DSTA/LSZH-AT		
	Underground HV cable inclusive sand, cable slab, trenching, excavation, backfilling, reinstatement etc		
	6.6kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 136.00
b	185 mm <sup>2</sup>	m	\$ 217.00
c	300 mm <sup>2</sup>	m	\$ 267.00
<b>2.1.3</b>	<b>HV cable draw into cable ladder</b>		
2.1.3.1	6.6kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 136.00
b	185 mm <sup>2</sup>	m	\$ 217.00
c	300 mm <sup>2</sup>	m	\$ 267.00
2.1.3.2	11kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 154.00
b	185 mm <sup>2</sup>	m	\$ 226.00
c	300 mm <sup>2</sup>	m	\$ 279.50
2.1.3.3	22kV (3 core)		
a	95 mm <sup>2</sup>	m	\$ 164.00
b	185 mm <sup>2</sup>	m	\$ 231.00
c	300 mm <sup>2</sup>	m	\$ 287.00
<b>2.2</b>	<b>PVC Insulated Cable</b>		
2.2.1.1	1 x 1C		
a	1.5 mm <sup>2</sup>	m	\$ 2.60
b	2.5 mm <sup>2</sup>	m	\$ 3.80
c	4 mm <sup>2</sup>	m	\$ 4.80
d	6 mm <sup>2</sup>	m	\$ 6.50
e	10 mm <sup>2</sup>	m	\$ 7.70
f	16 mm <sup>2</sup>	m	\$ 9.60
g	25 mm <sup>2</sup>	m	\$ 12.50
h	35 mm <sup>2</sup>	m	\$ 15.30
i	50 mm <sup>2</sup>	m	\$ 18.60
j	70 mm <sup>2</sup>	m	\$ 22.90
k	95 mm <sup>2</sup>	m	\$ 29.20
l	120 mm <sup>2</sup>	m	\$ 34.70



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
m	150 mm <sup>2</sup>	m	\$ 40.70
n	185 mm <sup>2</sup>	m	\$ 51.20
<b>2.3</b>	<b>PVC / PVC Insulated Cable</b>		
2.3.1.1	1 x 1C		
a	16 mm <sup>2</sup>	m	\$ 11.90
b	25 mm <sup>2</sup>	m	\$ 15.30
c	35 mm <sup>2</sup>	m	\$ 19.80
d	50 mm <sup>2</sup>	m	\$ 23.20
e	70 mm <sup>2</sup>	m	\$ 28.10
f	95 mm <sup>2</sup>	m	\$ 34.10
g	120 mm <sup>2</sup>	m	\$ 39.40
h	150 mm <sup>2</sup>	m	\$ 45.80
i	185 mm <sup>2</sup>	m	\$ 54.80
j	240 mm <sup>2</sup>	m	\$ 73.80
k	300 mm <sup>2</sup>	m	\$ 89.80
l	400 mm <sup>2</sup>	m	\$ 109.50
m	500 mm <sup>2</sup>	m	\$ 132.90
n	630 mm <sup>2</sup>	m	\$ 163.10
o	1000 mm <sup>2</sup>	m	\$ 256.00
<b>2.4</b>	<b>PVC / SWA / PVC Cable (Armoured)</b>		
2.4.1.1	1 x 2C		
a	1.5 mm <sup>2</sup>	m	\$ 11.30
b	2.5 mm <sup>2</sup>	m	\$ 12.70
c	4 mm <sup>2</sup>	m	\$ 14.70
d	6 mm <sup>2</sup>	m	\$ 20.50
e	10 mm <sup>2</sup>	m	\$ 24.40
f	16 mm <sup>2</sup>	m	\$ 30.90
g	25 mm <sup>2</sup>	m	\$ 36.60
h	35 mm <sup>2</sup>	m	\$ 43.50
2.4.1.2	1 x 3C		
a	1.5 mm <sup>2</sup>	m	\$ 12.80
b	2.5 mm <sup>2</sup>	m	\$ 14.30
c	4 mm <sup>2</sup>	m	\$ 16.66
d	6 mm <sup>2</sup>	m	\$ 23.60
e	10 mm <sup>2</sup>	m	\$ 29.14
f	16 mm <sup>2</sup>	m	\$ 37.40
g	25 mm <sup>2</sup>	m	\$ 45.46
h	35 mm <sup>2</sup>	m	\$ 55.00
2.4.1.3	1 x 4C		
a	10 mm <sup>2</sup>	m	\$ 28.20

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
b	16 mm <sup>2</sup>	m	\$ 39.50
c	25 mm <sup>2</sup>	m	\$ 48.46
d	35 mm <sup>2</sup>	m	\$ 68.00
e	50 mm <sup>2</sup>	m	\$ 81.04
f	70 mm <sup>2</sup>	m	\$ 106.40
g	95 mm <sup>2</sup>	m	\$ 134.46
h	120 mm <sup>2</sup>	m	\$ 165.50
i	150 mm <sup>2</sup>	m	\$ 234.80
j	185 mm <sup>2</sup>	m	\$ 288.50
k	240 mm <sup>2</sup>	m	\$ 347.50
l	300 mm <sup>2</sup>	m	\$ 424.50
m	400 mm <sup>2</sup>	m	\$ 559.30

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.5</b>	<b>XLPE / PVC Cable</b>		
2.5.1.1	1 x 1C		
a	16 mm <sup>2</sup>	m	\$ 11.90
b	25 mm <sup>2</sup>	m	\$ 15.30
c	35 mm <sup>2</sup>	m	\$ 19.80
d	50 mm <sup>2</sup>	m	\$ 23.20
e	70 mm <sup>2</sup>	m	\$ 28.10
f	95 mm <sup>2</sup>	m	\$ 34.10
g	120 mm <sup>2</sup>	m	\$ 39.40
h	150 mm <sup>2</sup>	m	\$ 45.80
i	185 mm <sup>2</sup>	m	\$ 54.90
j	240 mm <sup>2</sup>	m	\$ 73.80
k	300 mm <sup>2</sup>	m	\$ 89.80
l	400 mm <sup>2</sup>	m	\$ 109.50
m	500 mm <sup>2</sup>	m	\$ 132.90
n	630 mm <sup>2</sup>	m	\$ 163.10
o	1000 mm <sup>2</sup>	m	\$ 256.00
<b>2.6</b>	<b>XLPE / SWA / PVC Cable (Armoured)</b>		
2.6.1.1	1 x 2C		
a	1.5 mm <sup>2</sup>	m	\$ 11.30
b	2.5 mm <sup>2</sup>	m	\$ 12.70
c	4 mm <sup>2</sup>	m	\$ 14.70
d	6 mm <sup>2</sup>	m	\$ 20.50
e	10 mm <sup>2</sup>	m	\$ 24.40
f	16 mm <sup>2</sup>	m	\$ 30.90
g	25 mm <sup>2</sup>	m	\$ 36.60
h	35 mm <sup>2</sup>	m	\$ 43.50
2.6.1.2	1 x 3C		
a	1.5 mm <sup>2</sup>	m	\$ 12.80
b	2.5 mm <sup>2</sup>	m	\$ 14.30
c	4 mm <sup>2</sup>	m	\$ 16.66
d	6 mm <sup>2</sup>	m	\$ 23.60
e	10 mm <sup>2</sup>	m	\$ 29.14
f	16 mm <sup>2</sup>	m	\$ 37.40
g	25 mm <sup>2</sup>	m	\$ 45.46
h	35 mm <sup>2</sup>	m	\$ 55.00
2.6.1.3	1 x 4C		
a	10 mm <sup>2</sup>	m	\$ 28.20
b	16 mm <sup>2</sup>	m	\$ 39.50
c	25 mm <sup>2</sup>	m	\$ 48.46
d	35 mm <sup>2</sup>	m	\$ 68.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
e	50 mm <sup>2</sup>	m	\$ 81.04
f	70 mm <sup>2</sup>	m	\$ 106.40
g	95 mm <sup>2</sup>	m	\$ 134.46
h	120 mm <sup>2</sup>	m	\$ 165.50
i	150 mm <sup>2</sup>	m	\$ 234.80
j	185 mm <sup>2</sup>	m	\$ 288.50
k	240 mm <sup>2</sup>	m	\$ 347.50
l	300 mm <sup>2</sup>	m	\$ 424.50
m	400 mm <sup>2</sup>	m	\$ 559.30
<b>2.7 XLPE / AWA SWA/ PVC Cable (Armoured)</b>			
<b>2.7.1.1 1 x 2C</b>			
a	1.5 mm <sup>2</sup>	m	\$ 9.00
b	2.5 mm <sup>2</sup>	m	\$ 10.80
c	4 mm <sup>2</sup>	m	\$ 13.80
d	6 mm <sup>2</sup>	m	\$ 20.10
e	10 mm <sup>2</sup>	m	\$ 24.90
f	16 mm <sup>2</sup>	m	\$ 34.20
g	25 mm <sup>2</sup>	m	\$ 41.20
h	35 mm <sup>2</sup>	m	\$ 49.90
<b>2.7.1.2 1 x 3C</b>			
a	1.5 mm <sup>2</sup>	m	\$ 10.60
b	2.5 mm <sup>2</sup>	m	\$ 12.80
c	4 mm <sup>2</sup>	m	\$ 16.46
d	6 mm <sup>2</sup>	m	\$ 24.10
e	10 mm <sup>2</sup>	m	\$ 30.84
f	16 mm <sup>2</sup>	m	\$ 42.60
g	25 mm <sup>2</sup>	m	\$ 52.16
h	35 mm <sup>2</sup>	m	\$ 64.20

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
2.7.1.3	1 x 4C		
a	10 mm <sup>2</sup>	m	\$ 33.70
b	16 mm <sup>2</sup>	m	\$ 50.70
c	25 mm <sup>2</sup>	m	\$ 62.36
d	35 mm <sup>2</sup>	m	\$ 86.10
e	50 mm <sup>2</sup>	m	\$ 102.04
f	70 mm <sup>2</sup>	m	\$ 131.40
g	95 mm <sup>2</sup>	m	\$ 165.66
h	120 mm <sup>2</sup>	m	\$ 201.60
i	150 mm <sup>2</sup>	m	\$ 277.80
j	185 mm <sup>2</sup>	m	\$ 341.40
k	240 mm <sup>2</sup>	m	\$ 404.70
l	300 mm <sup>2</sup>	m	\$ 493.30
m	400 mm <sup>2</sup>	m	\$ 678.20
2.8	XLPE / SWA / LSZH Cable		
2.8.1.1	1 x 2C		
a	1.5 mm <sup>2</sup>	m	\$ 9.60
b	2.5 mm <sup>2</sup>	m	\$ 11.60
c	4 mm <sup>2</sup>	m	\$ 14.80
d	6 mm <sup>2</sup>	m	\$ 21.40
e	10 mm <sup>2</sup>	m	\$ 26.50
f	16 mm <sup>2</sup>	m	\$ 36.60
g	25 mm <sup>2</sup>	m	\$ 44.20
h	35 mm <sup>2</sup>	m	\$ 53.70
2.8.1.2	1 x 3C		
a	1.5 mm <sup>2</sup>	m	\$ 11.30
b	2.5 mm <sup>2</sup>	m	\$ 13.70
c	4 mm <sup>2</sup>	m	\$ 18.33
d	6 mm <sup>2</sup>	m	\$ 25.60
e	10 mm <sup>2</sup>	m	\$ 32.84
f	16 mm <sup>2</sup>	m	\$ 45.60
g	25 mm <sup>2</sup>	m	\$ 56.06
h	35 mm <sup>2</sup>	m	\$ 69.20
2.8.1.3	1 x 4C		
a	10 mm <sup>2</sup>	m	\$ 36.80
b	16 mm <sup>2</sup>	m	\$ 55.40
c	25 mm <sup>2</sup>	m	\$ 68.16
d	35 mm <sup>2</sup>	m	\$ 93.80
e	50 mm <sup>2</sup>	m	\$ 111.14
f	70 mm <sup>2</sup>	m	\$ 143.30
g	95 mm <sup>2</sup>	m	\$ 180.96
h	120 mm <sup>2</sup>	m	\$ 220.40

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
i	150 mm <sup>2</sup>	m	\$ 299.60
j	185 mm <sup>2</sup>	m	\$ 368.40
k	240 mm <sup>2</sup>	m	\$ 437.20
l	300 mm <sup>2</sup>	m	\$ 533.20
m	400 mm <sup>2</sup>	m	\$ 736.10
<b>2.9</b>	<b>XLPE / AWA / LSZH Cable</b>		
2.9.1.1	1 x 2C		
a	1.5 mm <sup>2</sup>	m	\$ 9.30
b	2.5 mm <sup>2</sup>	m	\$ 11.20
c	4 mm <sup>2</sup>	m	\$ 14.30
d	6 mm <sup>2</sup>	m	\$ 20.80
e	10 mm <sup>2</sup>	m	\$ 25.70
f	16 mm <sup>2</sup>	m	\$ 35.40
g	25 mm <sup>2</sup>	m	\$ 42.70
h	35 mm <sup>2</sup>	m	\$ 51.80
2.9.1.2	1 x 3C		
a	1.5 mm <sup>2</sup>	m	\$ 11.00
b	2.5 mm <sup>2</sup>	m	\$ 13.30
c	4 mm <sup>2</sup>	m	\$ 18.03
d	6 mm <sup>2</sup>	m	\$ 24.90
e	10 mm <sup>2</sup>	m	\$ 31.84
f	16 mm <sup>2</sup>	m	\$ 44.10
g	25 mm <sup>2</sup>	m	\$ 54.16
h	35 mm <sup>2</sup>	m	\$ 66.70

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
2.9.1.3	1 x 4C		
a	10 mm <sup>2</sup>	m	\$ 35.30
b	16 mm <sup>2</sup>	m	\$ 53.10
c	25 mm <sup>2</sup>	m	\$ 65.26
d	35 mm <sup>2</sup>	m	\$ 90.00
e	50 mm <sup>2</sup>	m	\$ 106.64
f	70 mm <sup>2</sup>	m	\$ 137.40
g	95 mm <sup>2</sup>	m	\$ 173.36
h	120 mm <sup>2</sup>	m	\$ 211.00
i	150 mm <sup>2</sup>	m	\$ 288.70
j	185 mm <sup>2</sup>	m	\$ 354.90
k	240 mm <sup>2</sup>	m	\$ 421.00
l	300 mm <sup>2</sup>	m	\$ 513.30
m	400 mm <sup>2</sup>	m	\$ 707.20
<b>2.1</b>	<b>Fire-Rated Cable</b>		
2.10.1.1	1 x 1C (without sheath)		
a	1.5 mm <sup>2</sup>	m	\$ 4.30
b	2.5 mm <sup>2</sup>	m	\$ 5.20
c	4 mm <sup>2</sup>	m	\$ 6.10
d	6 mm <sup>2</sup>	m	\$ 10.90
e	10 mm <sup>2</sup>	m	\$ 12.50
f	16 mm <sup>2</sup>	m	\$ 15.00
g	25 mm <sup>2</sup>	m	\$ 17.80
h	35 mm <sup>2</sup>	m	\$ 22.50
i	50 mm <sup>2</sup>	m	\$ 27.00
j	70 mm <sup>2</sup>	m	\$ 32.22
k	95 mm <sup>2</sup>	m	\$ 39.06
l	120 mm <sup>2</sup>	m	\$ 44.74
m	150 mm <sup>2</sup>	m	\$ 51.70
n	185 mm <sup>2</sup>	m	\$ 62.66
o	240 mm <sup>2</sup>	m	\$ 80.36
p	300 mm <sup>2</sup>	m	\$ 100.10
q	400 mm <sup>2</sup>	m	\$ 120.90
r	500 mm <sup>2</sup>	m	\$ 144.80
s	630 mm <sup>2</sup>	m	\$ 176.10
t	800 mm <sup>2</sup>	m	\$ 233.60
u	1000 mm <sup>2</sup>	m	\$ 282.00
2.10.1.2	1 x 1C (with sheath)		
a	1.5 mm <sup>2</sup>	m	\$ 9.00
b	2.5 mm <sup>2</sup>	m	\$ 10.10

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

				<b>Nov-24</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>MEDIAN SOR RATE</b>	
c	4 mm <sup>2</sup>	m	\$ 11.60	
d	6 mm <sup>2</sup>	m	\$ 17.00	
e	10 mm <sup>2</sup>	m	\$ 19.40	
f	16 mm <sup>2</sup>	m	\$ 23.60	
g	25 mm <sup>2</sup>	m	\$ 27.70	
h	35 mm <sup>2</sup>	m	\$ 34.60	
i	50 mm <sup>2</sup>	m	\$ 40.30	
j	70 mm <sup>2</sup>	m	\$ 49.62	
k	95 mm <sup>2</sup>	m	\$ 60.76	
m	120 mm <sup>2</sup>	m	\$ 71.54	
n	150 mm <sup>2</sup>	m	\$ 82.90	
o	185 mm <sup>2</sup>	m	\$ 97.86	
p	240 mm <sup>2</sup>	m	\$ 121.96	
q	300 mm <sup>2</sup>	m	\$ 152.60	
r	400 mm <sup>2</sup>	m	\$ 200.40	
s	500 mm <sup>2</sup>	m	\$ 226.60	
t	630 mm <sup>2</sup>	m	\$ 395.20	
2.10.1.3	1 x 2C (with sheath)			
a	1.5 mm <sup>2</sup>	m	\$ 12.20	
b	2.5 mm <sup>2</sup>	m	\$ 13.70	
c	4 mm <sup>2</sup>	m	\$ 15.80	
d	6 mm <sup>2</sup>	m	\$ 21.80	
e	10 mm <sup>2</sup>	m	\$ 26.00	
f	16 mm <sup>2</sup>	m	\$ 33.00	
g	25 mm <sup>2</sup>	m	\$ 39.20	
h	35 mm <sup>2</sup>	m	\$ 46.70	



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
2.10.1.4	1 x 4C (with sheath)		
a	1 mm <sup>2</sup>	m	\$ 13.30
b	1.5 mm <sup>2</sup>	m	\$ 16.75
c	2.5 mm <sup>2</sup>	m	\$ 19.46
d	4 mm <sup>2</sup>	m	\$ 21.77
e	6 mm <sup>2</sup>	m	\$ 30.40
f	10 mm <sup>2</sup>	m	\$ 36.88
g	16 mm <sup>2</sup>	m	\$ 49.25
h	25 mm <sup>2</sup>	m	\$ 59.34
i	35 mm <sup>2</sup>	m	\$ 78.10
j	50 mm <sup>2</sup>	m	\$ 92.18
k	70 mm <sup>2</sup>	m	\$ 119.21
l	95 mm <sup>2</sup>	m	\$ 149.97
m	120 mm <sup>2</sup>	m	\$ 183.83
n	150 mm <sup>2</sup>	m	\$ 210.24
o	185 mm <sup>2</sup>	m	\$ 256.55
p	240 mm <sup>2</sup>	m	\$ 314.72
q	300 mm <sup>2</sup>	m	\$ 383.89
MCC	500 mm <sup>2</sup>		
MCC	630 mm <sup>2</sup>		
<b>2.1</b>	<b>Low Smoke Halogen Free Cable</b>		
2.11.1.1	1 x 1C (without sheath)		
a	1 mm <sup>2</sup>	m	\$ 2.50
b	1.5 mm <sup>2</sup>	m	\$ 4.75
c	2.5 mm <sup>2</sup>	m	\$ 5.72
d	4 mm <sup>2</sup>	m	\$ 6.67
e	6 mm <sup>2</sup>	m	\$ 12.00
f	10 mm <sup>2</sup>	m	\$ 13.67
g	16 mm <sup>2</sup>	m	\$ 16.15
h	25 mm <sup>2</sup>	m	\$ 18.94
i	35 mm <sup>2</sup>	m	\$ 23.90
j	50 mm <sup>2</sup>	m	\$ 28.48
k	70 mm <sup>2</sup>	m	\$ 33.60
l	95 mm <sup>2</sup>	m	\$ 40.37
m	120 mm <sup>2</sup>	m	\$ 45.92
n	150 mm <sup>2</sup>	m	\$ 52.64
o	185 mm <sup>2</sup>	m	\$ 63.25
p	240 mm <sup>2</sup>	m	\$ 80.52
q	300 mm <sup>2</sup>	m	\$ 99.69
r	400 mm <sup>2</sup>	m	\$ 121.09
s	500 mm <sup>2</sup>	m	\$ 146.58

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

				<b>Nov-24</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>MEDIAN SOR RATE</b>	
t	630 mm <sup>2</sup>	m	\$	177.43
u	800 mm <sup>2</sup>	m	\$	229.41
v	1000 mm <sup>2</sup>	m	\$	279.22
2.11.1.2	1 x 1C (with shealth)			
a	1 mm <sup>2</sup>	m	\$	7.03
b	1.5 mm <sup>2</sup>	m	\$	9.59
c	2.5 mm <sup>2</sup>	m	\$	10.82
d	4 mm <sup>2</sup>	m	\$	12.30
e	6 mm <sup>2</sup>	m	\$	18.82
f	10 mm <sup>2</sup>	m	\$	21.25
g	16 mm <sup>2</sup>	m	\$	25.48
h	25 mm <sup>2</sup>	m	\$	29.54
i	35 mm <sup>2</sup>	m	\$	36.88
j	50 mm <sup>2</sup>	m	\$	42.79
k	70 mm <sup>2</sup>	m	\$	51.90
l	95 mm <sup>2</sup>	m	\$	62.86
m	120 mm <sup>2</sup>	m	\$	73.37
n	150 mm <sup>2</sup>	m	\$	84.43
o	185 mm <sup>2</sup>	m	\$	98.88
p	240 mm <sup>2</sup>	m	\$	122.56
q	300 mm <sup>2</sup>	m	\$	152.22
r	400 mm <sup>2</sup>	m	\$	199.84
s	500 mm <sup>2</sup>	m	\$	227.90
t	630 mm <sup>2</sup>	m	\$	390.98
2.11.1.3	1 x 2C (with shealth)			
a	1.5 mm <sup>2</sup>	m	\$	12.20
b	2.5 mm <sup>2</sup>	m	\$	13.65
c	4 mm <sup>2</sup>	m	\$	15.78
d	6 mm <sup>2</sup>	m	\$	22.10
e	10 mm <sup>2</sup>	m	\$	26.32
f	16 mm <sup>2</sup>	m	\$	33.15
g	25 mm <sup>2</sup>	m	\$	39.23
h	35 mm <sup>2</sup>	m	\$	46.60
2.11.1.4	1 x 4C (with shealth)			
a	1 mm <sup>2</sup>	m	\$	13.03
b	1.5 mm <sup>2</sup>	m	\$	16.59
c	2.5 mm <sup>2</sup>	m	\$	18.82
d	4 mm <sup>2</sup>	m	\$	21.60
e	6 mm <sup>2</sup>	m	\$	30.52
f	10 mm <sup>2</sup>	m	\$	36.85
g	16 mm <sup>2</sup>	m	\$	48.78
h	25 mm <sup>2</sup>	m	\$	58.54

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
i	35 mm <sup>2</sup>	m	\$ 76.98
j	50 mm <sup>2</sup>	m	\$ 90.69
k	70 mm <sup>2</sup>	m	\$ 116.70
l	95 mm <sup>2</sup>	m	\$ 146.37
m	120 mm <sup>2</sup>	m	\$ 178.97
n	150 mm <sup>2</sup>	m	\$ 204.43
o	185 mm <sup>2</sup>	m	\$ 248.88
p	240 mm <sup>2</sup>	m	\$ 305.06
q	300 mm <sup>2</sup>	m	\$ 371.52
<b>2.9</b>	<b>Co-axial Cable</b>		
a	RG6	m	\$ 2.50
b	RG11	m	\$ 26.90
<b>2.10</b>	<b>LV Control Cables</b>		
a	10 Pair 1.5 mm <sup>2</sup> LV Control Cable 0.6/1kV, PVC/Screened/PVC	m	\$ 35.00
b	12 Core 1.0 mm <sup>2</sup> LV Control Cable 0.6/1kV, PVC/Screened/PVC	m	\$ 25.00
c	2Cx1.5mm <sup>2</sup> PVC	m	\$ 7.80
d	2.5mm.sq 16 core multi core copper XLPE/SWA/PVC	m	\$ 48.00
e	Interface Control Cable w/ BMS & ITC - 2C FO cable	m	\$ 19.00
f	12-core 1.5mm XLPE/SWA/PVC multicore cable	m	\$ 35.00
g	Control Cable (CAT6A cable)	m	\$ 9.50
h	Control Cable 2FO Cable	m	\$ 18.00
<b>2.11</b>	<b>Busbar Trunking System</b>		
<b>2.11.1</b>	<b>Busbar Feeder</b>		
a	800A	m	\$ 1,000.00
b	1000A	m	\$ 1,000.00
c	1200A	m	\$ 1,200.00
d	1400A	m	\$ 1,400.00
e	1600A	m	\$ 1,600.00
f	2000A	m	\$ 1,800.00
g	2500A	m	\$ 2,000.00
h	3000A	m	\$ 2,200.00
i	3200A	m	\$ 2,200.00
j	3600A	m	\$ 2,500.00
k	4000A	m	\$ 2,800.00
l	5000A	m	\$ 3,500.00
<b>2.11.2</b>	<b>Busbar Riser c/w tap-off provision</b>		
a	200A	m	\$ 3,000.00
b	300A	m	\$ 3,000.00
c	400A	m	\$ 3,209.00
d	600A	m	\$ 3,209.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
e	800A	m	\$ 3,209.00
f	1000A	m	\$ 3,209.00
g	1200A	m	\$ 3,744.00
h	1400A	m	\$ 4,278.00
i	1600A	m	\$ 4,813.00
j	2000A	m	\$ 5,348.00
<b>2.11.3</b>	<b>Tap-off Units complete with circuit breakers</b>		
a	60A	m	\$ 642.00
b	100A	m	\$ 642.00
c	150A	m	\$ 856.00
d	200A	m	\$ 1,070.00
e	250A	m	\$ 1,284.00
f	300A	m	\$ 1,498.00
g	400A	m	\$ 1,498.00
h	600A	m	\$ 1,926.00
i	800A	m	\$ 2,460.00
<b>2.11.4</b>	<b>Fire-rated bus duct enclosure</b>		
a	1 hr rated	m2	\$ 214.00
b	2 hr rated	m2	\$ 300.00
c	4 hr rated	m2	\$ 500.00
T4 SOR	1 hr rated	m	
T4 SOR	2 hr rated	m	
T4 SOR	4 hr rated	m	

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>3</b>	<b>AUTOMATIC POWER FACTOR CORRECTION CAPACITORS</b>		
<b>3.1</b>	<b>Capacitor Bank</b>		
a	100 kVAr	no	\$ 1,118.00
b	125 kVAr	no	\$ 1,341.50
c	150 kVAr	no	\$ 1,588.50
d	175 kVAr	no	\$ 1,738.50
e	200 kVAr	no	\$ 1,987.00
f	250kVAr	no	\$ 2,483.50
g	300 kVAr	no	\$ 2,980.50
h	350 kVAr	no	\$ 3,477.00
i	400 kVAr	no	\$ 3,973.50
j	450 kVAr	no	\$ 4,470.50
k	500 kVAr	no	\$ 4,946.50
l	600 kVAr	no	\$ 5,935.50
	<b>CABLE CONDUITS / TRUNKINGS / TRAYS / LADDERS</b>		
	Vertical and/or horizontal cable ladder, tray, trunking, surface/concealed conduit inclusive of supporting brackets, fixing cleats, junction boxes, brass bushes, saddles, adapters, earthing link, accessories, etc.		
<b>4</b>			
<b>4.1</b>	<b>Heavy Duty UPVC Underground Pipe complete with haunching and accessories</b>		
a	ø50 mm	m	\$ 100.00
b	ø110 mm	m	\$ 120.00
c	ø150 mm	m	\$ 130.00
d	ø200 mm	m	\$ 143.00
e	ø250 mm	m	\$ 172.00
<b>4.2</b>	<b>Cable Ladder</b>		
<b>4.2.1</b>	<b>Mild steel epoxy coated (2.0mm thickness)</b>		
MBC	150 mm wide (1.6mm thickness)	m	
a	300 mm wide	m	\$ 110.60
b	450 mm wide	m	\$ 127.40
c	600 mm wide	m	\$ 136.50
d	750 mm wide	m	\$ 143.80
e	900 mm wide	m	\$ 154.70
f	1000 mm wide	m	\$ 165.00
<b>4.2.2</b>	<b>Hot-dipped galvanised mild steel (2.0mm thickness)</b>		
a	300 mm wide	m	\$ 121.70
b	450 mm wide	m	\$ 140.20
c	600 mm wide	m	\$ 150.20
d	750 mm wide	m	\$ 158.20
e	900 mm wide	m	\$ 170.20
f	1000 mm wide	m	\$ 181.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
MCC	200 mm wide	m	
MCC	400 mm wide	m	
MCC	500 mm wide	m	
<b>4.3</b>	<b>Cable Tray</b>		
<b>4.3.1</b>	<b>Mild steel epoxy coated (RF Tray -25mm height)</b>		
a	50 mm wide (1.6mm thickness)	m	\$ 20.30
b	100 mm wide (1.6mm thickness)	m	\$ 23.20
c	150 mm wide (1.6mm thickness)	m	\$ 29.55
d	200 mm wide (1.6mm thickness)	m	\$ 36.30
e	250 mm wide (1.6mm thickness)	m	\$ 42.40
f	300 mm wide (1.6mm thickness)	m	\$ 51.80
g	450 mm wide (1.6mm thickness)	m	\$ 68.40
h	600 mm wide (1.6mm thickness)	m	\$ 80.00
i	750 mm wide (2.0mm thickness)	m	\$ 91.60
j	900 mm wide (2.0mm thickness)	m	\$ 106.10
k	800 mm wide (2.0mm thickness)	m	\$ 98.60
l	1000 mm wide (2.0mm thickness)	m	\$ 114.00
<b>4.3.2</b>	<b>Hot-dipped galvanised mild steel</b>		
a	50 mm wide (1.6mm thickness)	m	\$ 22.80
b	100 mm wide (1.6mm thickness)	m	\$ 25.85
c	150 mm wide (1.6mm thickness)	m	\$ 32.50
d	200 mm wide (1.6mm thickness)	m	\$ 39.55
e	250 mm wide (1.6mm thickness)	m	\$ 46.95
f	300 mm wide (1.6mm thickness)	m	\$ 56.80
g	450 mm wide (1.6mm thickness)	m	\$ 75.20
h	600 mm wide (1.6mm thickness)	m	\$ 87.85
i	750 mm wide (2.0mm thickness)	m	\$ 100.55
j	900 mm wide (2.0mm thickness)	m	\$ 116.75
k	800 mm wide (2.0mm thickness)	m	\$ 108.90
l	1000 mm wide (2.0mm thickness)	m	\$ 126.50
MCC	500 mm wide (1.6mm thickness)	m	

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>4.4</b>	<b>Trunking</b>		
<b>4.4.1</b>	<b>Mild steel epoxy coated</b>		
a	50 x 25 mm	m	\$ 20.10
b	50 x 50 mm	m	\$ 29.20
c	75 x 50 mm	m	\$ 33.70
d	75 x 75 mm	m	\$ 40.10
e	100 x 50 mm	m	\$ 40.10
f	100 x 75 mm	m	\$ 41.90
g	100 x 100 mm	m	\$ 48.70
h	150 x 75 mm	m	\$ 43.45
i	150 x 100 mm	m	\$ 61.00
j	200 x 75 mm	m	\$ 63.50
k	200 x 100 mm	m	\$ 68.30
l	225 x 100 mm	m	\$ 75.40
m	225 x 150 mm	m	\$ 91.00
n	300 x 100 mm	m	\$ 100.00
o	300 x 150 mm	m	\$ 112.00
<b>4.4.2</b>	<b>Hot -dipped galvanised steel</b>		
a	50 x 25 mm	m	\$ 22.20
b	50 x 50 mm	m	\$ 32.20
c	75 x 50 mm	m	\$ 37.10
d	75 x 75 mm	m	\$ 44.20
e	100 x 50 mm	m	\$ 44.20
f	100 x 75 mm	m	\$ 48.05
g	100 x 100 mm	m	\$ 54.10
h	150 x 75 mm	m	\$ 48.05
i	150 x 100 mm	m	\$ 68.55
j	200 x 75 mm	m	\$ 69.55
k	200 x 100 mm	m	\$ 75.10
l	225 x 100 mm	m	\$ 83.05
m	225 x 150 mm	m	\$ 100.10
n	300 x 100 mm	m	\$ 110.00
o	300 x 150 mm	m	\$ 123.20
<b>MCC</b>	<b>300 x 75 mm</b>	m	
<b>4.5</b>	<b>Conduits</b>		
<b>4.5.1</b>	<b>Galvanised steel</b>		
a	ø15 mm	m	\$ 10.10
b	ø25 mm	m	\$ 12.80
c	ø32 mm	m	\$ 17.20
d	ø32 mm	m	\$ 17.20
	ø20 mm		
<b>4.5.2</b>	<b>High impact uPVC</b>		

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
a	ø15 mm	m	\$ 6.00
b	ø25 mm	m	\$ 8.00
c	ø32 mm	m	\$ 10.00
d	ø32 mm	m	\$ 10.00
	ø20 mm		
<b>4.5.3</b>	<b>Steel Flexible with uPVC over-sheath</b>		
a	ø15 mm	m	\$ 6.50
b	ø25 mm	m	\$ 8.50
c	ø32 mm	m	\$ 10.50
d	ø32 mm	m	\$ 10.50
	ø20 mm		
<b>4.5.4</b>	<b>HDPE</b>		
a	ø15 mm	m	\$ 8.00
b	ø25 mm	m	\$ 10.00
c	ø32 mm	m	\$ 12.00
d	ø50 mm	m	\$ 18.00
e	ø80 mm	m	\$ 35.00
f	ø100 mm	m	\$ 50.00
g	ø110 mm	m	\$ 60.00
h	ø150 mm	m	\$ 80.00
i	2x ø80 mm	m	\$ 70.00
j	2x ø110 mm	m	\$ 120.00
k	2x ø150 mm	m	\$ 160.00
<b>4.6</b>	<b>Utility Cable Cleats and Containment</b>		
i	Cable Cleats		
a	22kV cable cleat	no	\$ 50.00
b	22kV cable tie	no	\$ 35.00
c	66kV cable cleat	no	\$ 52.00
d	66kV cable tie	no	\$ 40.00
ii	Cable Containment		
a	750mm (W) x 150mm (H) HDG	no	\$ 155.50
b	C Channel (100x50x20x3)	no	\$ 31.50
c	Angle Bracket (75x75x6)	no	\$ 21.00
<b>5</b>	<b>LIGHTING AND SMALL POWER WIRING</b>		
	<b>Lighting Point</b>		
<b>5.1</b>	<b>Inclusive of wiring, earth wire, conduit and/or trunking, saddles, fittings, terminations, connectors, ceiling rose, etc. but excluding lighting switch</b>		



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.1.1</b>	<b>Surface</b>		
5.1.1.1	In uPVC conduit - PVC cable (New)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 103.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 105.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 110.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 115.00
5.1.1.2	In uPVC conduit - PVC cable (from existing)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 103.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 105.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 110.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 115.00
5.1.1.3	In GI conduit - PVC cable (New)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 156.50
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 158.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 160.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 165.00
5.1.1.4	In GI conduit - PVC cable (from existing)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 153.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 156.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 160.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in surface/concealed conduit and/or trunking from fuse board and controlled by a dimmer control	pt	\$ 165.00
5.1.1.5	In GI conduit - FR cable (New)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 169.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 173.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 186.50
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 197.00
5.1.1.6	In GI conduit - FR cable (from existing)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 163.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 167.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 180.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 190.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			<b>Nov-24</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>MEDIAN SOR RATE</b>
<b>5.1.2</b>	<b>Concealed</b>		
5.1.2.1	In uPVC conduit - PVC cable (New)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 109.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 111.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 118.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 121.00
5.1.2.2	In uPVC conduit - PVC cable (from existing)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 109.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 111.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 116.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 121.00
5.1.2.3	In GI conduit - PVC cable (New)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 167.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 170.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 169.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 177.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
5.1.2.4	In GI conduit - PVC cable (from existing)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 161.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 164.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 168.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in surface/concealed conduit and/or trunking from fuse board and controlled by a dimmer control	pt	\$ 174.00
5.1.2.5	In GI conduit - FR cable (New)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 178.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 182.50
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 196.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB and controlled by a dimmer control	pt	\$ 207.00
5.1.2.6	In GI conduit - FR cable (from existing)		
a	Wired in 2x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 172.00
b	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point	pt	\$ 176.00
c	Wired in 3x 1.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 189.00
d	Wired in 3x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from existing point and controlled by a dimmer control	pt	\$ 200.00
<b>5.2</b>	<b>External Light Point</b>		
<b>5.2.1</b>	<b>In uPVC pipe - PVC/SWA/PVC cable (New)</b>		
a	Wired in 1x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 600.00
b	Wired in 1x 4 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 700.00
c	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 800.00
d	Wired in 2x 4 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 1,200.00
<b>5.2.2</b>	<b>In uPVC pipes - PVC/SWA/PVC cable (from existing)</b>		
a	Wired in 1x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 600.00
b	Wired in 1x 4 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 700.00
c	Wired in 2x 2.5 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 800.00
d	Wired in 2x 4 mm <sup>2</sup> + E in conduit and/or trunking from DB	pt	\$ 1,200.00
<b>5.3</b>	<b>Lighting Controls System</b>		
<b>5.3.1</b>	<b>Lighting controls system including dimmers, lighting controllers, controls cabling, touch panels, touch pads and accessories</b>		
<b>5.3.1</b>	<b>Dimming System</b>		
<b>5.3.1.1</b>	<b>Dimmer Unit</b>		
a	1 kW dimmer unit as specified	no	\$ 500.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
b	2kW dimmer unit as specified	no	\$ 800.00
c	Others (please specify)		
i.	_____	no	
ii.	_____	no	
iii.	_____	no	
<b>5.3.2</b>	<b>Dimmer Switch</b> <b>Supply, installation, testing and commissioning of recessed/surface mounted dimmer control switch for GLS lamp, 230V a.c, 500W. State [brand/type]</b>		
a	10A 1 gang 1 way	no	\$ 124.50
b	10A 2 gang 1 way	no	\$ 207.00
c	10A 3 gang 1 way	no	\$ 290.00
<b>5.3.3</b>	<b>DALI-2 Lighting Controls System</b> <b>Lighting controls system including dimmers, lighting controllers, controls cabling, touch panels, touch pads and accessories</b>		
a	DALI Controller	no	\$ 770.00
b	Network Switch	no	\$ 1,035.00
c	Medium Converter	no	\$ 517.50
d	Photocell Sensor	no	\$ 700.00
e	DALI Control Button	no	\$ 1,200.00
f	Timer	no	\$ 176.60
g	Local Switch	no	\$ 181.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.4</b>	<b>Power Point</b> <b>Inclusive of wiring, earth wire, conduit and/or trunking, saddles, fittings, terminations, etc but exclude switch socket outlets and isolators</b>		
<b>5.4.1</b>	<b>Surface</b>		
5.4.1.1	In uPVC conduit - PVC cable (New)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 130.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 150.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 155.50
d	For 15 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 150.00
e	For 15 A SPN power point	pt	\$ 322.00
f	For 30 A SPN power point	pt	\$ 642.00
g	For 15 A TP&N power point	pt	\$ 598.00
h	For 30 A TP&N power point	pt	\$ 903.00
i	For 60 A TP&N power point	pt	\$ 1,500.00
j	For 15A DP weather proof isolator	pt	\$ 402.00
k	For 20A DP weather proof isolator	pt	\$ 402.00
l	For 30A DP weather proof isolator	pt	\$ 732.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,200.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,400.00
5.4.1.2	In uPVC conduit - PVC cable (from existing)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 130.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 155.50
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 155.50
d	For 15 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 150.00
e	For 15 A SPN power point	pt	\$ 322.00
f	For 30 A SPN power point	pt	\$ 642.00
g	For 15 A TP&N power point	pt	\$ 598.00
h	For 30 A TP&N power point	pt	\$ 903.00
i	For 60 A TP&N power point	pt	\$ 1,500.00
j	For 15A DP weather proof isolator	pt	\$ 402.00
k	For 20A DP weather proof isolator	pt	\$ 402.00
l	For 30A DP weather proof isolator	pt	\$ 732.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,200.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,400.00
5.4.1.3	In GI conduit - PVC cable (New)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 200.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 225.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 225.00
d	For 15 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 225.00
e	For 15 A SPN power point	pt	\$ 556.00
f	For 30 A SPN power point	pt	\$ 920.00
g	For 15 A TP&N power point	pt	\$ 877.00
h	For 30 A TP&N power point	pt	\$ 1,269.00
i	For 60 A TP&N power point	pt	\$ 2,000.00
j	For 15A DP weather proof isolator	pt	\$ 636.00
k	For 20A DP weather proof isolator	pt	\$ 636.00
l	For 30A DP weather proof isolator	pt	\$ 1,010.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,300.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,600.00
5.4.1.4	In GI conduit - PVC cable (from existing)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 200.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 225.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 232.50
d	For 15 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 225.00
e	For 15 A SPN power point	pt	\$ 556.00
f	For 30 A SPN power point	pt	\$ 920.00
g	For 15 A TP&N power point	pt	\$ 877.00
h	For 30 A TP&N power point	pt	\$ 1,269.00
i	For 60 A TP&N power point	pt	\$ 2,000.00
j	For 15A DP weather proof isolator	pt	\$ 636.00
k	For 20A DP weather proof isolator	pt	\$ 636.00
l	For 30A DP weather proof isolator	pt	\$ 1,010.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,300.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,600.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
5.4.1.5	In GI conduit - FR cable (New)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 227.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 260.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 260.00
d	For 15 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 260.00
e	For 15 A SPN power point	pt	\$ 481.00
f	For 30 A SPN power point	pt	\$ 1,018.00
g	For 15 A TP&N power point	pt	\$ 744.00
h	For 30 A TP&N power point	pt	\$ 1,046.00
i	For 60 A TP&N power point	pt	\$ 2,600.00
j	For 15A DP weather proof isolator	pt	\$ 561.00
k	For 20A DP weather proof isolator	pt	\$ 561.00
l	For 30A DP weather proof isolator	pt	\$ 1,108.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,560.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 3,120.00
5.4.1.6	In GI conduit - FR cable (from existing)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 227.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 260.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 269.50
d	For 15 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 260.00
e	For 15 A SPN power point	pt	\$ 481.00
f	For 30 A SPN power point	pt	\$ 1,018.00
g	For 15 A TP&N power point	pt	\$ 744.00
h	For 30 A TP&N power point	pt	\$ 1,046.00
i	For 60 A TP&N power point	pt	\$ 2,600.00
j	For 15A DP weather proof isolator	pt	\$ 561.00
k	For 20A DP weather proof isolator	pt	\$ 561.00
l	For 30A DP weather proof isolator	pt	\$ 1,108.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,560.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 3,120.00
<b>5.4.2</b>	<b>Surface</b>		
5.4.2.1	In uPVC conduit - PVC cable (New)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 137.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 158.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 163.50

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
d	For 15 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 158.00
e	For 15 A SPN power point	pt	\$ 339.00
f	For 30 A SPN power point	pt	\$ 675.00
g	For 15 A TP&N power point	pt	\$ 628.00
h	For 30 A TP&N power point	pt	\$ 949.00
i	For 60 A TP&N power point	pt	\$ 1,575.00
j	For 15A DP weather proof isolator	pt	\$ 423.00
k	For 20A DP weather proof isolator	pt	\$ 423.00
l	For 30A DP weather proof isolator	pt	\$ 769.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,200.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,400.00
5.4.2.2	In uPVC conduit - PVC cable (from existing)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 137.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 163.50
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 163.50
d	For 15 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 158.00
e	For 15 A SPN power point	pt	\$ 339.00
f	For 30 A SPN power point	pt	\$ 675.00
g	For 15 A TP&N power point	pt	\$ 628.00
h	For 30 A TP&N power point	pt	\$ 949.00
i	For 60 A TP&N power point	pt	\$ 1,575.00
j	For 15A DP weather proof isolator	pt	\$ 423.00
k	For 20A DP weather proof isolator	pt	\$ 423.00
l	For 30A DP weather proof isolator	pt	\$ 769.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,200.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,400.00



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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
5.4.2.3	In GI conduit - PVC cable (New)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 210.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 237.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 237.00
d	For 15 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 237.00
e	For 15 A SPN power point	pt	\$ 584.00
f	For 30 A SPN power point	pt	\$ 966.00
g	For 15 A TP&N power point	pt	\$ 921.00
h	For 30 A TP&N power point	pt	\$ 1,333.00
i	For 60 A TP&N power point	pt	\$ 2,100.00
j	For 15A DP weather proof isolator	pt	\$ 668.00
k	For 20A DP weather proof isolator	pt	\$ 668.00
l	For 30A DP weather proof isolator	pt	\$ 1,061.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,300.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,600.00
5.4.2.4	In GI conduit - PVC cable (from existing)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 210.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 237.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 238.50
d	For 15 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 237.00
e	For 15 A SPN power point	pt	\$ 584.00
f	For 30 A SPN power point	pt	\$ 966.00
g	For 15 A TP&N power point	pt	\$ 921.00
h	For 30 A TP&N power point	pt	\$ 1,333.00
i	For 60 A TP&N power point	pt	\$ 2,100.00
j	For 15A DP weather proof isolator	pt	\$ 668.00
k	For 20A DP weather proof isolator	pt	\$ 668.00
l	For 30A DP weather proof isolator	pt	\$ 1,061.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,300.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 2,600.00
5.4.2.5	In GI conduit - FR cable (New)		
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in and/or trunking	pt	\$ 239.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in and/or trunking in radial circuit	pt	\$ 273.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in and/or trunking in ring circuit	pt	\$ 273.00
d	For 15 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in and/or trunking	pt	\$ 273.00
e	For 15 A SPN power point	pt	\$ 506.00
f	For 30 A SPN power point	pt	\$ 1,069.00
g	For 15 A TP&N power point	pt	\$ 782.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
h	For 30 A TP&N power point	pt	\$ 1,099.00
i	For 60 A TP&N power point	pt	\$ 2,730.00
j	For 15A DP weather proof isolator	pt	\$ 590.00
k	For 20A DP weather proof isolator	pt	\$ 590.00
l	For 30A DP weather proof isolator	pt	\$ 1,164.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,560.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 3,120.00
5.4.2.6 In GI conduit - FR cable (from existing)			
a	For 13 A S/S/O, 2x 2.5 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 239.00
b	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in radial circuit	pt	\$ 273.00
c	For 13 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking in ring circuit	pt	\$ 280.50
d	For 15 A S/S/O, 2x 4 mm <sup>2</sup> cables + E in conduit and/or trunking	pt	\$ 273.00
e	For 15 A SPN power point	pt	\$ 506.00
f	For 30 A SPN power point	pt	\$ 1,069.00
g	For 15 A TP&N power point	pt	\$ 782.00
h	For 30 A TP&N power point	pt	\$ 1,099.00
i	For 60 A TP&N power point	pt	\$ 2,730.00
j	For 15A DP weather proof isolator	pt	\$ 590.00
k	For 20A DP weather proof isolator	pt	\$ 590.00
l	For 30A DP weather proof isolator	pt	\$ 1,164.00
m	Isolator point 4x16mm <sup>2</sup> + 16mm <sup>2</sup> E	pt	\$ 1,560.00
n	Isolator point 4x35mm <sup>2</sup> + 25mm <sup>2</sup> E	pt	\$ 3,120.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.5</b>	<b>Switch Socket Outlet</b>		
<b>5.5.1</b>	<b>Switch socket outlet inclusive mounting boxes and frames and accessories (excluding wiring)</b>		
a	13 A	no	\$ 16.00
b	13 A Twin	no	\$ 24.00
c	13 A inclusive neon indicator	no	\$ 26.00
d	13 A Twin inclusive neon indicator	no	\$ 26.00
e	13 A Metal-clad	no	\$ 21.00
f	13 A Twin Metal-clad	no	\$ 31.50
g	13 A Weatherproof	no	\$ 72.50
h	13 A Twin Weatherproof	no	\$ 135.00
i	15 A	no	\$ 21.00
j	15 A Metal-clad	no	\$ 26.00
k	15 A Weatherproof	no	\$ 250.00
l	13 A inclusive neon indicator and 100mA sensitivity residual current operated circuit breaker	no	\$ 119.00
m	13 A inclusive neon indicator and 30mA sensitivity residual current operated circuit breaker	no	\$ 119.00
n	13 A Explosion-proof	no	\$ 700.00
o	13 A Twin Explosion-proof	no	\$ 1,200.00
p	DP switch	no	\$ 21.00
q	13A Fused connection unit	no	\$ 16.00
r	32A CEE Form	no	\$ 62.50
s	32A 5-pin socket outlet	no	\$ 83.00
t	63A 5-pin socket outlet	no	\$ 135.00
u	32A 5-pin socket outlet complete with 32A TPN isolator for SF6 charger unit	no	\$ 155.50
v	63A 5-pin socket outlet complete with 63A TPN isolator for SF6 charger unit	no	\$ 259.00
<b>5.5.2</b>	<b>Surface mounted heavy duty switched socket outlet with grey cast iron cover suitable for 500V, triple pole and neutral side entry plug inclusive malleable iron plug.</b>		
a	15A TP&N + E	no	\$ 500.00
b	30A TP&N + E	no	\$ 600.00
c	60A TP&N + E	no	\$ 900.00
<b>5.5.3</b>	<b>Surface mounting industrial type socket outlet inclusive plug</b>		
<b>5.5.3.1</b>	<b>SPN + E</b>		
a	16 A	no	\$ 41.50
b	32 A	no	\$ 47.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
c	63 A	no	\$ 103.50
d	125 A	no	\$ 259.00
5.5.3.2	TPN + E		
a	16 A	no	\$ 57.00
b	32 A	no	\$ 72.50
c	63 A	no	\$ 155.50
d	125 A	no	\$ 414.00
<b>5.6</b>	<b>Light Fittings</b>		
	<b>Light fittings including taking delivery, testing, mass concrete foundation, bracket supports, lamps, starters etc</b>		
<b>5.6.1</b>	<b>Fluorescent Light Fittings</b>		
5.6.1.1	1 tube		
5.6.1.1.1	Recessed fluorescent lighting fitting inclusive clear prismatic acrylic plastic diffuser		
a	18 W	no	\$ 62.50
b	36 W	no	\$ 78.00
5.6.1.1.2	Recessed mirror optic fluorescent lighting fitting inclusive air-conditioning diffuser (A/C diffuser supplied by others)		
a	36 W	no	\$ 500.00
5.6.1.1.3	Surface-mounted fluorescent lighting fitting inclusive plastic diffuser		
a	18 W	no	\$ 62.50
b	36 W	no	\$ 77.50
5.6.1.1.4	Surface-mounted fluorescent lighting fitting inclusive diakon diffuser		
a	18 W	no	\$ 70.00
b	36 W	no	\$ 90.00
5.6.1.1.5	Surface-mounted fluorescent lighting fitting inclusive metal reflector		
a	18 W	no	\$ 80.00
b	36 W	no	\$ 100.00
5.6.1.1.6	Bare channel fluorescent lighting fitting		
a	18 W	no	\$ 50.00
b	36 W	no	\$ 60.00
5.6.1.1.7	Recessed strip fluorescent lighting fitting inclusive diffuser, white stove-enamelled lamella louver and suspension rods		
a	36 W	no	\$ 155.50
b	58 W	no	\$ 186.50

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
5.6.1.1.8	Surface-mounted dustproof and jet proof fluorescent lighting fitting inclusive clear acrylic diffuser and stainless steel clips		
a	18 W	no	\$ 80.00
b	36 W	no	\$ 100.00
5.6.1.1.9	36W explosion proof fluorescent proof fluorescent light fitting	no	\$ 931.50
5.6.1.1.10	40W compact fluorescent recessed luminaries with HF electronic dimming ballast	no	\$ 228.00
5.6.1.1.11	Waterproof light fitting		
a	18 W	no	\$ 80.00
b	36 W	no	\$ 100.00
<b>5.6.1.2</b>	<b>2 tube</b>		
5.6.1.2.1	Recessed fluorescent lighting fitting inclusive clear prismatic acrylic plastic diffuser		
a	18 W	no	\$ 78.00
b	36 W	no	\$ 103.50
5.6.1.2.2	Recessed mirror optic fluorescent lighting fitting inclusive air-conditioning diffuser (A/C diffuser supplied by others)		
a	36 W	no	\$ 650.00
5.6.1.2.3	Surface-mounted fluorescent lighting fitting inclusive plastic diffuser		
a	18 W	no	\$ 78.00
b	36 W	no	\$ 100.00
5.6.1.2.4	Surface-mounted fluorescent lighting fitting inclusive diakon diffuser		
a	18 W	no	\$ 87.50
b	36 W	no	\$ 115.00
5.6.1.2.5	Surface-mounted fluorescent lighting fitting inclusive metal reflector		
a	18 W	no	\$ 95.00
b	36 W	no	\$ 125.00
5.6.1.2.6	Bare channel fluorescent lighting fitting		
a	18 W	no	\$ 65.00
b	36 W	no	\$ 85.00
5.6.1.2.7	Recessed strip fluorescent lighting fitting inclusive diffuser, white stove-enamelled lamella louver and suspension rods		
a	36 W	no	\$ 176.00
b	58 W	no	\$ 217.50
5.6.1.2.8	Surface-mounted dustproof and jet proof fluorescent lighting fitting inclusive clear acrylic diffuser and stainless steel clips		
a	18 W	no	\$ 97.50
b	36 W	no	\$ 120.00
5.6.1.2.9	36W explosion proof fluorescent proof fluorescent light fitting	no	\$ 1,100.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.6.1.2.10</b>	40W compact fluorescent recessed luminaries with HF electronic dimming ballast	no	\$ 269.50
<b>5.6.1.2.11</b>	Waterproof light fitting		
a	18 W	no	\$ 95.00
b	36 W	no	\$ 120.00
<b>5.6.1.3</b>	3 tube		
<b>5.6.1.3.1</b>	Recessed fluorescent lighting fitting inclusive clear prismatic acrylic plastic diffuser		
a	18 W	no	\$ 93.50
b	36 W	no	\$ 129.50
<b>5.6.1.3.2</b>	Recessed mirror optic fluorescent lighting fitting inclusive air-conditioning diffuser (A/C diffuser supplied by others)		
a	36 W	no	\$ 800.00
<b>5.6.1.3.3</b>	Surface-mounted fluorescent lighting fitting inclusive plastic diffuser		
a	18 W	no	\$ 93.50
b	36 W	no	\$ 129.50
<b>5.6.1.3.4</b>	Surface-mounted fluorescent lighting fitting inclusive diakon diffuser		
a	18 W	no	\$ 103.50
b	36 W	no	\$ 145.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.6.1.3.5</b>	Surface-mounted fluorescent lighting fitting inclusive metal reflector		
a	18 W	no	\$ 114.00
b	36 W	no	\$ 155.50
<b>5.6.1.3.6</b>	Bare channel fluorescent lighting fitting		
a	18 W	no	\$ 83.00
b	36 W	no	\$ 114.00
<b>5.6.1.3.7</b>	Recessed strip fluorescent lighting fitting inclusive diffuser, white stove-enamelled lamella louver and suspension rods		
a	36 W	no	\$ 190.00
b	58 W	no	\$ 245.00
<b>5.6.1.3.8</b>	Surface-mounted dustproof and jet proof fluorescent lighting fitting inclusive clear acrylic diffuser and stainless steel clips		
a	18 W	no	\$ 114.00
b	36 W	no	\$ 145.00
<b>5.6.1.3.9</b>	36W explosion proof fluorescent proof fluorescent light fitting	no	\$ 1,300.00
<b>5.6.1.3.10</b>	40W compact fluorescent recessed luminaries with HF electronic dimming ballast	no	\$ 310.50
<b>5.6.1.3.11</b>	Waterproof light fitting		
a	18 W	no	\$ 114.00
b	36 W	no	\$ 145.00
<b>5.6.1.4</b>	<b>4 tube</b>		
<b>5.6.1.4.1</b>	Recessed fluorescent lighting fitting inclusive clear prismatic acrylic plastic diffuser		
a	18 W	no	\$ 109.00
b	36 W	no	\$ 155.50
<b>5.6.1.4.2</b>	Recessed mirror optic fluorescent lighting fitting inclusive air-conditioning diffuser (A/C diffuser supplied by others)		
a	36 W	no	\$ 950.00
<b>5.6.1.4.3</b>	Surface-mounted fluorescent lighting fitting inclusive plastic diffuser		
a	18 W	no	\$ 109.00
b	36 W	no	\$ 155.50
<b>5.6.1.4.4</b>	Surface-mounted fluorescent lighting fitting inclusive diakon diffuser		
a	18 W	no	\$ 119.00
b	36 W	no	\$ 171.00
<b>5.6.1.4.5</b>	Surface-mounted fluorescent lighting fitting inclusive metal reflector		
a	18 W	no	\$ 129.50
b	36 W	no	\$ 181.50
<b>5.6.1.4.6</b>	Bare channel fluorescent lighting fitting		
a	18 W	no	\$ 98.50
b	36 W	no	\$ 140.00
<b>5.6.1.4.7</b>	Recessed strip fluorescent lighting fitting inclusive diffuser, white stove-enamelled lamella louver and suspension rods		
a	36 W	no	\$ 210.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
b	58 W	no	\$ 270.00
<b>5.6.1.4.8</b>	Surface-mounted dustproof and jet proof fluorescent lighting fitting inclusive clear acrylic diffuser and stainless steel clips		
a	18 W	no	\$ 129.50
b	36 W	no	\$ 166.00
<b>5.6.1.4.9</b>	36W explosion proof fluorescent proof fluorescent light fitting	no	\$ 1,500.00
<b>5.6.1.4.10</b>	40W compact fluorescent recessed luminaries with HF electronic dimming ballast	no	\$ 345.00
<b>5.6.1.4.11</b>	Waterproof light fitting		
a	18 W	no	\$ 129.50
b	36 W	no	\$ 166.00
<b>5.6.2</b>	<b>Battery Pack</b>		
<b>5.6.2.1</b>	Recessed fluorescent lighting fitting inclusive clear prismatic acrylic plastic diffuser		
a	18 W	no	\$ 155.00
b	36 W	no	\$ 200.00
<b>5.6.2.2</b>	Recessed mirror optic fluorescent lighting fitting inclusive air-conditioning diffuser (A/C diffuser supplied by others)		
a	36 W	no	\$ 1,000.00
<b>5.6.2.3</b>	Surface-mounted fluorescent lighting fitting inclusive plastic diffuser		
a	18 W	no	\$ 155.00
b	36 W	no	\$ 200.00
<b>5.6.2.4</b>	Surface-mounted fluorescent lighting fitting inclusive diakon diffuser		
a	18 W	no	\$ 165.00
b	36 W	no	\$ 215.00
<b>5.6.2.5</b>	Surface-mounted fluorescent lighting fitting inclusive metal reflector		
a	18 W	no	\$ 175.00
b	36 W	no	\$ 225.00
<b>5.6.2.6</b>	Bare channel fluorescent lighting fitting		
a	18 W	no	\$ 145.00
b	36 W	no	\$ 185.00



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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.6.2.7</b>	Recessed strip fluorescent lighting fitting inclusive diffuser, white stove-enamelled lamella louver and suspension rods		
a	36 W	no	\$ 260.00
b	58 W	no	\$ 320.00
<b>5.6.2.8</b>	Surface-mounted dustproof and jet proof fluorescent lighting fitting inclusive clear acrylic diffuser and stainless steel clips		
a	18 W	no	\$ 175.00
b	36 W	no	\$ 210.00
<b>5.6.2.9</b>	36W explosion proof fluorescent proof fluorescent light fitting	no	\$ 1,550.00
<b>5.6.2.10</b>	40W compact fluorescent recessed luminaries with HF electronic dimming ballast	no	\$ 390.00
<b>5.6.2.11</b>	Waterproof light fitting		
a	18 W	no	\$ 175.00
b	36 W	no	\$ 210.00
<b>5.6.3</b>	<b>Lighting Fitting Accessories</b>		
<b>5.6.3.1</b>	Conventional starter for fluorescent lighting fitting	no	\$ 6.50
<b>5.6.3.2</b>	Electronic starter for fluorescent lighting fitting	no	\$ 16.00
<b>5.6.3.3</b>	Fluorescent tube of daylight colour rendering		
a	18 W	no	\$ 5.50
b	36 W	no	\$ 8.50
c	58 W	no	\$ 12.50
<b>5.6.3.4</b>	Fluorescent tube of warm light colour rendering		
a	18 W	no	\$ 5.50
b	36 W	no	\$ 8.50
c	58 W	no	\$ 12.50
<b>5.6.3.5</b>	Low loss ballast for fluorescent lighting fitting		
a	18 W	no	\$ 16.00
b	36 W	no	\$ 21.00
c	58 W	no	\$ 26.00
<b>5.6.3.6</b>	HF electronic ballast for fluorescent lighting fitting		
a	18 W	no	\$ 21.00
b	36 W	no	\$ 26.00
c	58 W	no	\$ 31.50
<b>5.6.4</b>	<b>Polyester power factor improvement capacitor similar to "RIFA" type</b>		
a	1 microfarad	no	\$ 30.00
b	2 microfarad	no	\$ 36.50
c	3 microfarad	no	\$ 41.50
d	4 microfarad	no	\$ 47.00
<b>5.6.5</b>	<b>Lamps inclusive ballast, starter and associated control accessories</b>		
<b>5.6.5.1</b>	Metal Halide Lamp		
a	50 W	no	\$ 41.50
b	75 W	no	\$ 44.50

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ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
c	100 W	no	\$ 47.00
d	125 W	no	\$ 50.00
e	150 W	no	\$ 53.00
f	250 W	no	\$ 55.00
g	400 W	no	\$ 57.00
5.6.5.2	High Pressure Sodium Lamp		
a	50 W	no	\$ 41.50
b	75 W	no	\$ 44.50
c	100 W	no	\$ 47.00
d	125 W	no	\$ 50.00
e	150 W	no	\$ 53.00
f	250 W	no	\$ 55.00
g	400 W	no	\$ 57.00
5.6.5.3	Mercury Vapour Lamp		
a	50 W	no	\$ 41.50
b	75 W	no	\$ 44.50
c	100 W	no	\$ 47.00
d	125 W	no	\$ 50.00
e	150 W	no	\$ 53.00
f	250 W	no	\$ 55.00
g	400 W	no	\$ 57.00
5.6.6	PLC Down Light		
a	10 W	no	\$ 8.50
b	13 W	no	\$ 9.50
c	18 W	no	\$ 10.50
d	26 W	no	\$ 12.50
e	36 W	no	\$ 16.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.6.7</b>	<b>Emergency Light &amp; 'EXIT' Light Fitting</b>		
a	LED Emergency Exit Light	no	\$ 103.50
b	LED Emergency Exit Light (Single Sided Directional Arrow)	no	\$ 103.50
c	LED Emergency Exit Light (Double Sided Directional Arrow)	no	\$ 103.50
d	LED Emergency Exit Light (Explosion Proof)	no	\$ 828.00
e	LED Emergency Exit Light (Single Sided Directional Arrow Explosion Proof)	no	\$ 828.00
f	LED Emergency Exit Light (Double Sided Directional Arrow Explosion Proof)	no	\$ 828.00
g	Aircraft obstruction light inclusive photo switch and change over relay	no	\$ 1,035.00
h	Aircraft Warning Light with 2 hr self contained battery pack	no	\$ 1,138.50
i	28 Watts Wall Mounted LED Emergency Light fitting, Green perform waterproof G3 with excellent optical performance, 4000 Lumen, Color temperature 4000 K, CRI > 80, Input Voltage 220 to 240V, 50 Hz, Power factor : 0.9, IP 65, Polycarbonate housing and steel reflector, CE Mark, Safety protection Class I with control gear and driver with bracket with Battery Back Up	no	\$ 284.50
MCC	1 x 1W LED suspended/ surface/wall mounted directional & single-sided maintained emergency ext sign c/w nickel cadmium battery back-up for 2 hours (SCDF approved type)		
MCC	UFO Emergency Lights		
MBC	Emergency Lights		
<b>5.6.8</b>	<b>Smart Emergency Lighting Monitoring System</b>		
a	LED Emergency Exit Light with Wireless Communication Cable	no	\$ 800.00
b	LED Emergency Exit Light (Single Sided Directional Arrow) with Wireless Communication Cable	no	\$ 800.00
c	LED Emergency Exit Light (Double Sided Directional Arrow) with Wireless Communication Cable	no	\$ 800.00
d	2x3W Surface Mounted Twin Spot Emergency Light with polycarbonate cover c/w 2 hours battery and Wireless Communication Module, IP65	no	\$ 1,000.00
e	Wifi Routers	no	\$ 15,000.00
f	Laptop for emergency light testing	no	\$ 5,174.00
g	Data point	no	\$ 500.00
h	Lighting point	no	\$ 500.00
MCC	Exit Lights compatible with smart emergency lighting monitoring system		

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

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ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
MCC	Twin Spot 2x3W Self Containment Emergency Lights compatible with smart emergency lighting monitoring system		
<b>5.6.9</b>	<b>Ancillary Buildings Lightings</b>		
a	LED Light 28W (1200mm)	no	\$ 78.00
b	LED Light 28W IP65 Rated External	no	\$ 100.00
c	DL01 - 6.6W Recessed / surface mounted LED downlight with polycarbonate cover, IP65, 700LM, 4000K	no	\$ 185.00
d	DL02 - 11.5W Recessed / surface mounted LED downlight with polycarbonate cover, IP65, 1400LM, 4000K	no	\$ 200.00
e	ND01 - 40W Ceiling mounted recessed LED Lighting with diffuser, 4100 LUMEN, 4000K, separated control gear and driver	no	\$ 93.50
f	NL01 - 2x14W Wall mounted (explosion proof) LED light fitting, 4200 Lumen, 4000K, separate control gear and driver with brackets	no	\$ 621.00
g	NL02 - 2x14W Ceiling mounted LED Lighting with diffuser, 4200 Lumen, ceiling mounted LED lighting with diffuser, 4200 Lumen, 4000K, separate control gear and driver with brackets	no	\$ 88.00
h	NL03 - 2x14W Suspended T5 LED Batten Lighting, 4200 Lumen, 4000K, Separate control gear and driver with brackets	no	\$ 57.00
i	NL04 - 50-55W Ceiling mounted LED lighting with diffuser, 6300 LUMEN, 4000K, separate control gear and driver	no	\$ 114.00
j	NE02 - 40.5W Surface mounted LED Light explosion proof	no	\$ 621.00
k	XL01 - 2x14W Wall mounted LED Lighting with clear poly-carbonate cover, 4200 Lumen, 4000K, separate control gear and driver with brackets	no	\$ 93.50
l	XL02 - 2x14W Ceiling mounted LED Lighting with clear poly-carbonate cover, 4200 Lumen, 4000K, separate control gear and driver with brackets	no	\$ 93.50
m	XL03 - 2x14W Vertically wall mounted LED Light Fitting with clear poly carbonate cover, 4000 Lumens, 4000K, separate control gear and driver with brackets	no	\$ 93.50
n	XW02 - 7-10W LED Wall mounted, Weatherproof (IP65) lighting, 1100-1200 Lumen, 3000K, Separate control gear and cover	no	\$ 150.00
o	XL08 - 100W Weatherproof (IP65) LED Road Lighting mounting at 8m height hot dipped GI pole with concrete plinth, 14800 Lumen, 3000K, Separate control gear and driver	no	\$ 3,500.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
p	24W LED Downlight, 4000K, power coated finish separate LED driver and control gear 2400 LM, IP 65, Color rendering index (CRI)=80%, Reflector	no	\$ 259.00
q	200W Outdoor LED Flood light Aluminum reflector, high tempered clear glass diffuser, stainless steel screws, 2000 LUMEN, 4000K, Separate Control Gear and DC Driver, IP65	no	\$ 300.00
MCC	28 Watts Wall Mounted LED Light fitting, Green perform waterproof G3 with excellent optical performance, 4000 Lumen, Color temperature 4000 K, CRI > 80, Input Voltage 220 to 240V, 50 Hz, Power factor : 0.9, IP 65, Polycarbonate housing and steel reflector, CE Mark, Safety protection Class I with control gear and driver with bracket.		
MCC	28 Watts Wall Mounted LED Light fitting, Weatherproof, 4000 Lumen, Color temperature 4000 K, CRI > 80, Input Voltage 220 to 240V, 50 Hz, Power factor : 0.9, IP 65, Polycarbonate housing and steel reflector, CE Mark, Safety protection Class I with control gear and driver with bracket		
MCC	28 Watts Wall Mounted LED Light fitting, Green perform waterproof G3 with excellent optical performance, 4000 Lumen, Color temperature 4000 K, CRI > 80, Input Voltage 220 to 240V, 50 Hz, Power factor : 0.9, IP 65, Polycarbonate housing and steel reflector, CE Mark, Safety protection Class I with control gear and driver with bracket (External Lighting)		
MCC	20 Watts Surface Mounted LED Light fitting, downward emission, 3043 Lumen, Color temperature 4000 K, CRI > 80, Input Voltage 220 to 240V, 50 Hz, Power factor : 0.9, IP 65, Polycarbonate housing and steel reflector, CE Mark, Safety protection Class I with control gear and driver with bracket		
MCC	200 watt outdoor flood light made of Die Cast Aluminium Housing, High Purity Anode Aluminium Reflector, High Tempered Clear Galss Diffuser, stainless Steel Screws, 20000 lumen, 4000K, Separate control gear and DC driver, IP65		
MCC	LED Light High Bay 200W IP65		
MCC	40 watt Wall Mounted LED Light fitting , Housing in Hybrid Epoxy Power Coated Steel, anti scratch, lumen level range 4000lm, separate control gear ( AC 230V input, 50 Hz, DC electronic driver, PF = 0.9), 4000K (coolwhite)		
MCC	40W LED light tube, Outdoor weatherproof and dustproof, a clear pattern diffuser, stainless steel clips , separate led driver and control gear, 5600lm, 4000K, wall mounted type.		

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
MCC	40 watt Led downlight 4000K, power coated finish, separate led driver and control gear, 2400 lm, Color Rendering Index (CRI) = 80%, reflector		
MCC	40W LED light tube, weatherproof, a clear pattern diffuser, stainless steel clips , separate led driver and control gear, 4000lm, 4000K, wall mounted type.		
MCC	40 watt recessed mounted LED luminaire with mirror louver reflector, housing made of steel metal with epoxy hybrid coating, Lumen 4700lm, separate control gear and separate electronic driver, low power module using constant wattage LED driver, 4000K.		
MCC	200 watt outdoor flood light made of Die Cast Aluminium Housing, High Purity Anode Aluminium Reflector, High Tempered Clear Galss Diffuser, stainless Steel Screws, 20000 lumen, 4000K, Separate control gear and DC driver, IP65		
MCC	400 watt LED flood light made of Aluminium Housing, High Purity Anode Aluminium Reflector, High Tempered Clear Galss Diffuser, stainless Steel Screws, 40000 lumen, 4000K, Separate control gear and DC driver		
MCC	400 watt outdoor flood light, High Purity Anode Aluminium Reflector, High Tempered Clear Galss Diffuser, stainless Steel Screws, 20000 lumen, 4000K, Separate control gear and DC driver, IP65		
MCC	75 watt Led street lamp post come with IP65, separate control gear, separate LED driver, electronic ballast, color temperature 3000K, Architectural finishes, mounting base with PE endorsement 4m High weatherproof lamp post, all the necessary mounting accesorries , 7500lm		
MCC	1 x 27W LED wall mounted weatherproof security luminaire with UV resistant, IP65, Separate high efficiency control gear and LED diver, 3000K, 2700lm		

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

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ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>5.6.10</b>	<b>Street Lighting</b>		
<b>5.6.10.1</b>	Supply, install, test and commissioning of street post-top lantern luminaries IP65 comprising moulded GRP canopy with light grey finish, injection moulded polycarbonate UV-stabilised bowl diffuser, anodised high purity aluminium reflector for road distribution c/w HID ballast, terminal fused block, 8 metre hot dipped galvanised octagonal pole with 2 metre outreach arm and electrical accessories similar to Trilux 9721/150 HSE, Philips, Siemen, Thorn or equivalent (Pole and concrete foundation are to submit for S.O's approval).		
a	Single-arm; 1 no. 1 x 150W HPS lamp	no	\$ 3,500.00
b	Double-arm; 2 nos. 1 x 150W HPS lamp	no	\$ 3,800.00
<b>5.6.10.2</b>	Supply, install, test and commissioning of post top street lantern luminaries IP 65 comprising high pressure die-cast aluminium housing, aluminium louvers, polycarbonate bowl, PMMI refractor and diffuser c/w ballast, 8 m hot dipped galvanised pole and electrical accessories similar to Metronomis, Torino CDS 530 or equivalent;		
a	SON_T 150W lamp	no	\$ 3,600.00
b	SON_T 250W lamp	no	\$ 3,900.00
iii	Supply, install, test and commissioning of post top street lantern luminaries IP 65 comprising high pressure die-cast aluminium housing, die cast aluminium shield fixation bracket, aluminium louvers, polycarbonate bowl, PMMI refractor and diffuser, ASA vertical reflective shield c/w SON_T 150W lamp, ballast, 8 m hot dipped galvanised pole and electrical accessories similar to Metronomis, Bilbao CDS 540 or Siteco or equivalent.	no	\$ 4,000.00
5.6.11	Removal of Fence Light at existing fence	no	\$ 321.00
5.6.12	Removal of Airfield Light	no	\$ 268.00
<b>6</b>	<b>SWITCHESSwitches inclusive accessories, etc</b>		
<b>6.1</b>	<b>Impact Resistant Polycarbonate (White)</b>		
<b>6.1.1</b>	<b>10A</b>		
a	1-way 1-gang	no	\$ 16.00
b	2-way 1-gang	no	\$ 17.00
c	1-way 2-gang	no	\$ 19.00
d	2-way 2-gang	no	\$ 21.00
e	1-way 3-gang	no	\$ 19.00
f	2-way 3-gang	no	\$ 23.00
g	1-way 4-gang	no	\$ 26.00
h	2-way 4-gang	no	\$ 29.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			<b>Nov-24</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>MEDIAN SOR RATE</b>
<b>6.1.2</b>	<b>20A</b>		
a	DP switch	no	\$ 21.00
b	DP switch with pilot light	no	\$ 26.00
<b>6.1.3</b>	<b>32A</b>		
a	DP switch	no	\$ 31.50
b	DP switch with pilot light	no	\$ 36.50
<b>6.1.4</b>	<b>Intermediate Lighting Switch</b>	no	\$ 52.00
<b>6.1.5</b>	<b>Bypass Key Switch</b>	no	\$ 72.50
<b>6.1.6</b>	<b>Padlockable Bypass Key Switch</b>	no	\$ 207.00
<b>6.1.7</b>	<b>Padlockable 3 Position Key Switch</b>	no	\$ 259.00
<b>6.1.8</b>	<b>Reset Key Switch</b>	no	\$ 83.00
<b>6.1.9</b>	<b>Redrocker Switch</b>		
a	1-way 1-gang	no	\$ 80.00
b	2-way 1-gang	no	\$ 130.00
c	DP switch	no	\$ 90.00
<b>6.2</b>	<b>Metalclad</b>		
<b>6.2.1</b>	<b>10A</b>		
a	1-way 1-gang	no	\$ 21.00
b	2-way 1-gang	no	\$ 22.00
c	1-way 2-gang	no	\$ 25.00
d	2-way 2-gang	no	\$ 27.00
e	1-way 3-gang	no	\$ 25.00
f	2-way 3-gang	no	\$ 30.50
g	1-way 4-gang	no	\$ 34.50
h	2-way 4-gang	no	\$ 38.50
<b>6.2.2</b>	<b>20A</b>		
a	DP switch	no	\$ 27.00
b	DP switch with pilot light	no	\$ 34.50
<b>6.2.3</b>	<b>32A</b>		
a	DP switch	no	\$ 40.50
b	DP switch with pilot light	no	\$ 48.00
<b>6.2.4</b>	<b>Intermediate Lighting Switch</b>	no	\$ 67.50
<b>6.2.5</b>	<b>Padlockable Weatherproof Switch</b>	no	\$ 94.50
<b>6.2.6</b>	<b>Redrocker Switch</b>		
a	1-way 1-gang	no	\$ 104.00
b	2-way 1-gang	no	\$ 169.00
c	DP switch	no	\$ 117.00



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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>6.3</b>	<b>Weatherproof</b>		
<b>6.3.1</b>	<b>10A</b>		
a	1-way 1-gang	no	\$ 42.00
b	2-way 1-gang	no	\$ 46.00
c	1-way 2-gang	no	\$ 48.00
d	2-way 2-gang	no	\$ 50.00
<b>6.3.2</b>	<b>Intermediate Lighting Switch</b>	no	\$ 87.00
<b>6.3.3</b>	<b>Padlockable Weatherproof Switch</b>	no	\$ 273.50
<b>6.3.4</b>	<b>Redrocker Switch</b>		
a	1-way 1-gang	no	\$ 120.00
b	2-way 1-gang	no	\$ 180.00
c	DP switch	no	\$ 132.00
<b>6.4</b>	<b>Exposive Proof Switch Inclusive Box</b>		
i	10A		
a	1-way 1-gang	no	\$ 207.00
b	2-way 1-gang	no	\$ 259.00
<b>6.5</b>	<b>Motions Sensors</b>		
a	Motion Sensor	no	\$ 150.00
b	Ultrasonic Occupancy Sensor with Adjustable Timer	no	\$ 250.00
c	180deg Ceiling Mounted Occupancy Sensor	no	\$ 228.00
<b>7</b>	<b>TELEPHONE WIRING AND FACILITIES</b>		
<b>7.1</b>	<b>Telecoms manhole and water-tight heavy duty cover</b>		
a	JX2	no	\$ 5,212.50
b	MX1	no	\$ 7,000.00
c	MX2	no	\$ 7,735.00
d	MX3	no	\$ 8,635.00
e	MX4	no	\$ 9,365.00
f	MX5	no	\$ 9,857.50
<b>7.2</b>	<b>Intermediate Distribution Frame (IDF) Inclusive of Casing and Termination</b>		
a	40-pairs	no	\$ 1,242.00
b	80-pairs	no	\$ 2,483.50
c	100-pairs	no	\$ 3,104.50
d	200-pairs	no	\$ 4,143.50
e	250-pairs	no	\$ 5,174.00
f	300-pairs	no	\$ 6,208.50
<b>7.3</b>	<b>Telephone Block Terminal (BT)</b>		
a	6-pairs	no	\$ 180.00
b	12-pairs	no	\$ 360.00
c	20-pairs	no	\$ 600.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
d	40-pairs	no	\$ 1,200.00
e	80-pairs	no	\$ 2,400.00
f	100-pairs	no	\$ 3,000.00
g	200-pairs	no	\$ 4,000.00
<b>7.4</b>	<b>Telephone Wiring</b>		
<b>7.4.1</b>	Telephone wiring point from terminal block to telephone outlet inclusive of surface / concealed GI / high impact UPVC conduits, cables, fittings, terminations, etc. (excluded telephone outlet)	pt	\$ 400.00
<b>7.5</b>	<b>Telephone Socket</b>		
<b>7.5.1</b>	<b>Plastic</b>		
i	Telephone socket (Single)	no	\$ 21.00
ii	Telephone socket (Twin)	no	\$ 31.50
<b>7.5.2</b>	<b>Metalclad</b>		
i	Telephone socket (Single)	no	\$ 26.00
ii	Telephone socket (Twin)	no	\$ 36.50
<b>8</b>	<b>INTERCOM SYSTEM</b>		
<b>8.1</b>	<b>Building Intercom System</b>		
<b>8.2.1</b>	<b>Master Intercom Unit</b>		
8.2.1.1	Desk Top Type		
i	Handset type	no	\$ 5,000.00
ii	Handfree type	no	\$ 6,000.00
8.2.1.2	Wall-mounted Type		
i	Handset type	no	\$ 5,000.00
ii	Handfree type	no	\$ 6,000.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>8.2.2</b>	<b>Slave Intercom Unit</b>		
8.2.2.1	Desk Top Type		
i	Handset type	no	\$ 1,500.00
ii	Handfree type	no	\$ 1,800.00
8.2.2.2	Wall-mounted Type		
i	Handset type	no	\$ 1,500.00
ii	Handfree type	no	\$ 1,800.00
8.2.2.3	Weather proof enclosure (exclude intercom unit)	no	\$ 500.00
<b>9</b>	<b>CABLING AND ACCESSORIES FOR ELV SYSTEM</b>		
<b>9.1</b>	<b>Data Hub / Patch Panel</b>		
a	16 port	no	\$ 248.50
b	24 port	no	\$ 360.00
c	48 port	no	\$ 720.00
<b>9.2</b>	<b>Cables (Exclude Cable Support System)</b>		
<b>9.2.1</b>	<b>Cat 3</b>		
a	2-core	m	\$ 5.50
b	4-core	m	\$ 5.50
c	8-core	m	\$ 5.50
d	12-core	m	\$ 6.50
e	16-core	m	\$ 6.50
f	24-core	m	\$ 8.50
<b>9.2.2</b>	<b>Cat 5</b>		
a	2-core	m	\$ 5.50
b	4-core	m	\$ 5.50
c	8-core	m	\$ 5.50
d	12-core	m	\$ 6.50
e	16-core	m	\$ 6.50
f	24-core	m	\$ 8.50
<b>9.2.3</b>	<b>Cat 5e</b>		
a	2-core	m	\$ 5.50
b	4-core	m	\$ 5.50
c	8-core	m	\$ 5.50
d	12-core	m	\$ 6.50
e	16-core	m	\$ 6.50
f	24-core	m	\$ 8.50
<b>9.2.4</b>	<b>Cat 6</b>		
a	2-core	m	\$ 5.50
b	4-core	m	\$ 5.50
c	8-core	m	\$ 5.50
d	12-core	m	\$ 8.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
e	16-core	m	\$ 8.50
f	24-core	m	\$ 10.50
v	Cat 6e		
a	2-core	m	\$ 6.50
b	4-core	m	\$ 6.50
c	8-core	m	\$ 6.50
d	12-core	m	\$ 9.50
e	16-core	m	\$ 9.50
f	24-core	m	\$ 12.50
<b>9.3</b>	<b>Micro Singlemode Fibre Optics</b>		
a	2-core	m	\$ 10.50
b	4-core	m	\$ 10.50
c	8-core	m	\$ 11.50
d	12-core	m	\$ 11.50
e	16-core	m	\$ 12.50
f	24-core	m	\$ 14.50
<b>9.4</b>	<b>Micro Multimode Fibre Optics</b>		
a	2-core	m	\$ 9.50
b	4-core	m	\$ 9.50
c	8-core	m	\$ 11.50
d	12-core	m	\$ 11.50
e	16-core	m	\$ 13.50
f	24-core	m	\$ 13.50
<b>9.5</b>	<b>Micro Singlemode Armoured Fibre Optics</b>		
a	2-core	m	\$ 8.50
b	4-core	m	\$ 8.50
c	8-core	m	\$ 9.50
d	12-core	m	\$ 9.50
e	16-core	m	\$ 10.50
f	24-core	m	\$ 10.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>9.6</b>	<b>Micro Multimode Armoured Fibre Optics</b>		
a	2-core	m	\$ 9.50
b	4-core	m	\$ 9.50
c	8-core	m	\$ 11.50
d	12-core	m	\$ 11.50
e	16-core	m	\$ 13.50
f	24-core	m	\$ 13.50
<b>9.7</b>	<b>Co-Axial Cable</b>		
a	RG 6	m	\$ 9.50
b	RG 11	m	\$ 12.50
c	RG 59	m	\$ 22.00
<b>9.8</b>	<b>Twisted Pair Cable</b>	m	\$ 8.50
<b>9.9</b>	<b>Multi-Core PVC Control Cable</b>		
a	4-core PVC Cable	m	\$ 8.50
b	6-core PVC Cable	m	\$ 8.50
c	12-core PVC Cable	m	\$ 10.50
d	16-core PVC Cable	m	\$ 16.00
e	30-core PVC Cable	m	\$ 25.00
f	60-core PVC Cable	m	\$ 41.50
<b>9.10</b>	<b>Wiring of data outlet from hub / patch panel inclusive cable supporting system, associated accessories, terminations, etc. (50m run)</b>		
a	Cat 3 cable	pt	\$ 410.00
b	Cat 5 cable	pt	\$ 500.00
c	Cat 5e cable	pt	\$ 500.00
d	Cat 6 cable	pt	\$ 550.00
e	Cat 6e cable	pt	\$ 550.00
f	Cat 6a cable	pt	\$ 550.00
<b>9.11</b>	<b>Miscellaneous</b>		
i	Interfacing switch / hub for server and structural cables	no	\$ 3,750.00
ii	1 port faceplate inclusive back box	no	\$ 16.00
iii	2 port faceplate inclusive back box	no	\$ 21.00
iv	6 port faceplate inclusive back box	no	\$ 62.50
v	SC Fibre Optic Termination inclusive connector	no	\$ 52.00
vi	19" rack	no	\$ 3,090.00
vii	24" rack	no	\$ 4,500.00
viii	Others (please specify)		
a	_____	no	
b	_____	no	
c	_____	no	

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			<b>Nov-24</b>
<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>MEDIAN SOR RATE</b>
<b>10</b>	<b>BACKGROUND MUSIC / PUBLIC ADDRESS SYSTEM (PA)</b>		
10.1	PA Controller System Fault Monitoring Panel	no	\$ 4,320.00
10.2	Radio FM/AM Tuner	no	\$ 840.00
10.3	BGM Player and Recorder	no	\$ 840.00
10.4	Pre-recorder Message Player	no	\$ 4,320.00
10.5	Emergency Voice Logging Machine	no	\$ 4,320.00
10.6	Compact Disc Rack	no	\$ 840.00
10.7	P A Equipment Rack	no	\$ 2,160.00
10.8	50 W Power Amplifier	no	\$ 900.00
10.9	100 W Power Amplifier	no	\$ 960.00
10.10	200 W Power Amplifier	no	\$ 1,080.00
10.11	350 W Power Amplifier	no	\$ 1,140.00
10.12	400 W Power Amplifier	no	\$ 1,260.00
10.13	Volume control switch inclusive cable supporting system, associated accessories, terminations, etc.	pt	\$ 120.00
10.14	Interface box for local reinforcement system inclusive cable supporting system, associated accessories, terminations, etc.	pt	\$ 120.00
10.15	Microphone Receptacle Outlet	no	\$ 200.00
10.16	Mixer (no. of channels: _____)	no	\$ 1,100.00
10.17	Normal Ceiling Mounted Speaker	no	\$ 86.00
10.18	High Ceiling Mounted Speaker	no	\$ 194.00
10.19	Box Speaker	no	\$ 86.00
10.20	Horn Speaker	no	\$ 146.00
10.21	Speaker point inclusive cable supporting system, associated accessories, terminations, etc.		
i	PVC insulated signal cable	pt	\$ 109.50
ii	FR signal cable	pt	\$ 131.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>11</b>	<b>VEHICLE BARRIERS SYSTEM</b>		
11.3.1	Proximity Car Disk Reader Antenna	no	\$ 3,700.00
11.3.2	Proximity Car Disk	no	\$ 132.50
11.3.3	Carpark Barriers inclusive straight arm, logic-controller and vehicle loop detector	no	\$ 9,550.00
11.3.4	Cable for car park barrier inclusive cable supporting system, associated accessories, terminations, etc.	pt	\$ 3,800.00
11.3.5	Control & transmission cable inclusive cable supporting system, associated accessories, terminations, etc.	m	\$ 100.00
11.3.6	Power cable inclusive cable supporting system, associated accessories, terminations, etc.	m	\$ 100.00
<b>12</b>	<b>EPS CARPARKING SYSTEM</b>		
12.1	Entrance / exit stations complete with microprocessor based controller, UPS, LED display signs, cash card readers, intercoms and accessories	no	\$ 41,250.00
12.2	Vehicle barrier units including straight arm, safety loop detectors and accessories	no	\$ 10,000.00
12.3	Cash card top up machines	no	\$ 9,000.00
12.4	ERP antenna	no	\$ 13,250.00
12.5	EPS charging unit	no	\$ 47,000.00
12.6	Control and transmission cable inclusive of cable supporting system, associated accessories, terminations, etc	m	\$ 100.00
12.7	Power cable inclusive of cable supporting system, associated accessories, terminations etc	m	\$ 100.00
12.8	"Carpark Hourly Parking Full" Sign	no	\$ 1,750.00
<b>13</b>	<b>CEILING / OSCILLATING FAN</b>		
13.1	Ceiling / Oscillating Fan		
13.1.1	Supply and installation of ceiling fan c/w suspension rod, fixing, termination and all necessary accessories (excluding wiring)		
i	Type _____ and Size _____	no	\$ 350.00
13.1.2	Supply and installation of fan speed regulator (excluding wiring)	no	\$ 86.00
13.1.3	Supply and installation of oscillating fan c/w fittings, terminations and all necessary accessories (excluding wiring)		
i	Type _____ and Size _____	no	\$ 200.00
13.1.4	Supply and installation of 16" wall mounted oscillating fan c/w fittings, terminations and all necessary accessories (excluding wiring)	no	\$ 214.00
13.1.5	Wiring for fan and speed regulator using 2x2.5mm <sup>2</sup> /1C PVC cables in surface / concealed GI conduit / trunking	no	\$ 193.00

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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>14</b>	<b>LIGHTNING PROTECTION SYSTEM</b>		
14.1.1	25 x 3 mm thk hard-drawn copper tape inclusive fixing accessories	m	\$ 23.00
14.1.2	25 x 3 mm thk hard-drawn copper tape concealed inclusive fixing accessories	m	\$ 27.00
14.1.3	25 x 3 mm thk hard-drawn aluminium tape inclusive fixing accessories	m	\$ 10.50
14.1.4	25 x 3 mm thk hard-drawn aluminium tape concealed inclusive fixing accessories	m	\$ 19.50
14.1.5	ø8 mm bare solid copper conductor for air finial	m	\$ 29.00
14.1.6	ø16 mm earth electrode inclusive coupler & fixing accessories	m	\$ 48.50
14.1.7	Exothermic welded jointing of earth point to re-bar	no	\$ 250.00
14.1.8	1-core green / yellow PVC insulated copper conductor cable inclusive jointing, fixing, connections, labelling, etc.		
14.1.8.1	70 mm <sup>2</sup> / 1-core	m	\$ 24.00
14.1.8.2	95 mm <sup>2</sup> / 1-core	m	\$ 30.50
14.1.8.3	120 mm <sup>2</sup> / 1-core	m	\$ 37.50
14.1.9	Bi-metallic connectors	no	\$ 36.00
14.1.10	Test clamp with flush inspection tape (Test link)	no	\$ 62.50
14.1.11	Earth pit		
14.1.11.1	Hot-dipped galvanised type	no	\$ 315.00
14.1.11.2	RC precast type	no	\$ 315.00
14.1.11.3	Water tight type	no	\$ 420.00
14.1.12	Earth Pit c/w 19mm diameter, 1800mm copper electrode	no	\$ 360.00
MCC	19mm Diameter x 300mm copper air terminal (each)		
MCC	Test Clamp & Test Link Box		
MCC	Air Rod Saddle / Lightning Tape saddle		
<b>15</b>	<b>MAIN EARTHING SYSTEM</b>		
15.1.1	3 x 25mm Electro-tinned main copper earthing bar inclusive 600/1000V insulators, brass / stainless bolts and nuts, etc.	m	\$ 188.50
15.1.2	3.25 x 25mm Electro-tinned main copper earthing bar inclusive 600/1000V insulators, brass / stainless bolts and nuts, etc.	m	\$ 218.50
15.1.3	50 x 6 mm Electro-tinned main copper earthing bar inclusive 600/1000V insulators, brass / stainless bolts and nuts, etc.	m	\$ 212.50



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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
15.1.4	50 x 10mm Electro-tinned main copper earthing bar inclusive 600/1000V insulators, brass / stainless bolts and nuts, etc.	m	\$ 258.00
15.1.5	70 mm <sup>2</sup> copper conductor (multi-strand) inclusive fixing accessories	m	\$ 26.00

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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
15.1.6	ø16 mm earth electrode inclusive coupler & fixing accessories	m	\$ 48.50
15.1.7	Earth electrode, heavy-duty type in road or hard standing inclusive ø16mm copper including earth rod clamps and fixing accessories	no	\$ 56.50
15.1.8	Copper plate	no	\$ 207.00
15.1.9	Earth pit		
15.1.9.1	Hot-dipped galvanised type	no	\$ 315.00
15.1.9.2	RC precast type	no	\$ 315.00
15.1.9.3	Watertight type	no	\$ 420.00
15.1.10	Earthing earth pit c/w 19mm diameter	no	\$ 360.00
15.1.11	Earthing bar 75mm x 10mm (12 way) Tinned Copper Bar	no	\$ 152.50
15.1.12	Earthing bar 70mm x 10mm (10 way) Tinned Copper Bar	no	\$ 147.50
15.1.13	Insulated Tinned Bare Copper Conductor 50mmx6mm	m	\$ 44.00
15.1.14	Tinned Bare Copper Conductor 50mmx6mm	m	\$ 42.00
15.1.15	Earthing bonding	no	\$ 52.50
15.1.16	Spark Gap	no	\$ 61.00
15.1.17	Exothermic welding joints	no	\$ 262.50
15.1.18	Mechanical clamp for 2 copper tapes with 1 earth rod	no	\$ 31.50
15.1.19	Mechanical clamp for 1 copper tapes with 1 earth rod	no	\$ 26.00
15.1.20	8 m depth of I-Beam for Earthing/Lightning Protection - complete with st		
i)	Mild Steel Wide Flange 152mm x 152mm	m	\$ 3,500.00
ii)	Mild Steel Wide Flange 203mm x 203mm	m	\$ 4,000.00
iii)	Mild Steel Wide Flange 254mm x 254mm	m	\$ 4,500.00
<b>16</b>	<b>Static Grounding</b>		
16.1	Earth receptacle c/w cabling and accessories	no	\$ 2,450.00
16.2	Copper Tape	m	\$ 14.50
<b>17</b>	<b>ENERGY MANAGEMENT SYSTEM (EMS)</b>		
17.1	EMS Points	pt	\$ 230.00
17.2	Power Meter	pt	\$ 1,000.00
17.3	Power Quality Meter	pt	\$ 3,000.00
17.4	PLC	nos	\$ 17,250.00
17.5	PLC Panel c/w power cable to isolator, 6 hr battery	nos	\$ 20,700.00
17.6	Media Converter c/w fibre optic	nos	\$ 575.00
<b>18</b>	<b>UNINTERRUPTIBLE POWER SUPPLY (UPS)</b>		
18.1	2.5kVA UPS with 15 minutes battery backup	no	\$ 3,295.00
18.2	3kVA UPS with 15 minutes battery backup	no	\$ 3,530.00
18.3	10kVAUPS unit c/w 60 mins backup battery	no	\$ 56,100.00
18.4	10kVA UPS with 6 hours battery backup	no	\$ 71,500.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
18.5	10kVA UPS with 6 hours battery backup with BMS and Battery Monitoring System	no	\$ 84,700.00
18.6	30kVA UPS with 2hrs backup (Lead-Acid)	no	\$ 104,500.00
18.7	30kVA UPS with 2hrs backup (Lead-Acid) come with 45kVA Isolation transformer and Battery Monitoring System (exclude Isolation)	no	\$ 125,881.00
18.8	80kVA UPS with 15mins backup (Lead-Acid)	no	\$ 79,068.00
18.9	100kVA UPS unit c/w 15 mins backup battery	no	\$ 88,234.00
18.10	20kVA 3-ph isolation transformer	no	\$ 4,439.50
18.11	45kVA 3-ph isolation transformer	no	\$ 7,994.00
18.12	120kVA 3-ph isolation transformer	no	\$ 15,957.50
MCC	20kVA UPS with 15 minutes battery backup		
MCC	6kVA UPS with 15 minutes battery backup		
MCC	300kVA 3-ph isolation transformer		
MCC	45kVA 3-ph isolation transformrer		
MCC	20kVA 3-ph isolation transformrer		
MCC	UPS ALCS 10kVA UPS with 6 hours battery backup with BMS and Battery Monitoring System		
MCC	100kVA UPS unit c/w 15 mins backup battery Battery monitoring system 600x600 rack, HMI included in the rack 120kVA 3-ph isolation transformer		
MCC	10kVA/9kW Tower/Rack Mountable Online UPS (10KVA UPS unit c/w 60mins battery backup		
T4 SOR	300kVA UPS with 5 minutes backup	no	
MBC	5kVA UPS with 30 mins battery back up	no	
MBC	50kVA UPS with 30 mins battery back up	no	
MBC	100kVA UPS with 30 mins battery back up	no	
18.13	Battery monitoring system 600x600 rack including HMI in the rack	no	\$ 9,095.00
MBC	15kW (Battery hrs)?		
MBC	40 kW (Battery hrs)?		
MBC	60kW (Battery hrs)?		
MBC	100 kW (Battery hrs)?		
MBC	120 kW (Battery hrs)?		
MBC	150 kW (Battery hrs)?		
MBC	200 kW (Battery hrs)?		
MBC	220 kW (Battery hrs)?		
MBC	250 kW (Battery hrs)?		

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
MBC	500 kW (Battery hrs)?		
MBC	750 kW (Battery hrs)?		
<b>19</b>	<b>ANTENNA BRACKETS</b>		
19.1	HDG Antenna Pole (3000mm (L) x 75mm dia x 5mm)	no	\$ 3,000.00
<b>20</b>	<b>High Mast lighting</b>		
20.1	Lights c/w mounting brackets, cabling, and accessories		
20.1.1	Flood light IP66, IK08 c/w LED drivers and related ancillaries up to		
i)	5000lm	no	\$ 2,587.00
ii)	10000lm	no	\$ 2,587.00
iii)	15000lm	no	\$ 2,587.00
iv)	20000lm	no	\$ 2,587.00
v)	30000lm	no	\$ 2,587.00
vi)	40000lm	no	\$ 2,587.00
vii)	50000lm	no	\$ 2,587.00
viii)	60000lm	no	\$ 2,587.00
ix)	70000lm	no	\$ 2,587.00
x)	80000lm	no	\$ 2,587.00
xi)	90000lm	no	\$ 2,587.00
xii)	100000lm	no	\$ 2,587.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
20.1.2	Flood light IP66, IK07 c/w LED drivers and related ancillaries up to		
i)	5000lm	no	\$ 2,483.50
ii)	10000lm	no	\$ 2,483.50
iii)	15000lm	no	\$ 2,483.50
iv)	20000lm	no	\$ 2,483.50
v)	30000lm	no	\$ 2,483.50
vi)	40000lm	no	\$ 2,483.50
vii)	50000lm	no	\$ 2,483.50
viii)	60000lm	no	\$ 2,483.50
ix)	70000lm	no	\$ 2,483.50
x)	80000lm	no	\$ 2,483.50
xi)	90000lm	no	\$ 2,483.50
xii)	100000lm	no	\$ 2,483.50
<b>20.2</b>	<b>High mast / Light poles</b>		
20.2.1	Steel high mast c/w mounting system, lowering system c/w winch, cabling, foundation etc. with height up to		
i)	5m	no	\$ 40,600.00
ii)	10m	no	\$ 44,100.00
iii)	15m	no	\$ 48,200.00
iv)	20m	no	\$ 52,800.00
v)	25m	no	\$ 59,809.00
vi)	30m	no	\$ 63,948.00
vii)	35m	no	\$ 69,846.00
viii)	40m	no	\$ 79,158.50
20.2.2	Light pole c/w mounting system, cabling, foundation etc. with height up to		
i)	4m	no	\$ 10,000.00
ii)	5m	no	\$ 13,000.00
iii)	6m	no	\$ 18,000.00
iv)	10m	no	\$ 25,000.00
v)	15m	no	\$ 48,200.00
vi)	20m	no	\$ 52,800.00
vii)	30m	no	\$ 61,800.00
viii)	37m	no	\$ 69,846.00
ix)	40m	no	\$ 79,158.50
20.2.3	Lighting control unit (LCU) shall be equipped with remote monitoring of ON/OFF status of each fittings, faults, drivers status and alarms and remote control. Each monitoring and control system shall be interfaced to the existing airport lighting control and monitoring system.	no	\$ 350.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>21</b>	<b>Fence Lighting System</b>		
21.1	Lights c/w mounting brackets, cabling, and accessories		
21.1.1	Flood light IP66, IK08 c/w LED drivers and related ancillaries up to		
i)	200lm	no	\$ 486.50
ii)	300lm	no	\$ 486.50
iii)	400lm	no	\$ 486.50
iv)	500lm	no	\$ 486.50
v)	600lm	no	\$ 486.50
vi)	700lm	no	\$ 486.50
vii)	800lm	no	\$ 486.50
viii)	900lm	no	\$ 486.50
ix)	1000lm	no	\$ 486.50
x)	1500lm	no	\$ 486.50
xi)	2250lm	no	\$ 486.50
xii)	3000lm	no	\$ 486.50
21.1.2	Flood light IP66, IK07 c/w LED drivers and related ancillaries up to		
i)	200lm	no	\$ 466.00
ii)	300lm	no	\$ 466.00
iii)	400lm	no	\$ 466.00
iv)	500lm	no	\$ 466.00
v)	600lm	no	\$ 466.00
vi)	700lm	no	\$ 466.00
vii)	800lm	no	\$ 466.00
viii)	900lm	no	\$ 466.00
ix)	1000lm	no	\$ 466.00
x)	1500lm	no	\$ 466.00
xi)	2250lm	no	\$ 466.00
xii)	3000lm	no	\$ 466.00
<b>22.2</b>	<b>Fence Light poles</b>		
22.2.1	Light pole c/w mounting system, cabling, foundation etc. with height up to		
i)	4m	no	\$ 890.00
ii)	5m	no	\$ 931.50
iii)	6m	no	\$ 1,035.00
iv)	10m	no	\$ 1,242.00
v)	15m	no	\$ 1,950.00
vi)	20m	no	\$ 2,610.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>23</b>	<b>ADVGS</b>		
23.1	Supply, installation and conduct acceptance test of AVDGS Masts	no	\$ 9,000.00
23.2	Pole for AVDGS Equipment	no	
i)	10m	no	\$ 11,770.00
ii)	10.5m	no	\$ 11,770.00
iii)	11m	no	\$ 11,770.00
iv)	11.5m	no	\$ 11,770.00
v)	12m	no	\$ 11,770.00
vi)	12.5m	no	\$ 11,770.00
23.3	INS Sign		
23.3.1	INS Lighted Box	no	\$ 8,571.50
<b>24</b>	<b>Supply and Installation of EV Charger</b>		
24.1	150kW DC Standalone type	no.	\$ 52,950.00
24.2	7.4kW AC type	no.	\$ 4,800.00
24.3	150kW DC Satellite type, 5 Charging Points	no.	\$ 60,000.00
24.4	100kW DC Satellite type, 5 Charging Points	no.	\$ 52,930.00
24.5	50kW DC Satellite type, 4 Charging Points	no.	\$ 42,000.00
24.6	22kW AC type	no.	\$ 8,071.50
24.7	50kW DC Standalone type	no.	\$ 28,600.00
<b>25</b>	<b>Airfield Lighting System</b>		
<b>25.1</b>	<b>Airfield Lighting</b>		
i)	Uni-Directional Taxiway Centreline Light Fitting (Change Base, New Light)	no.	\$ 1,150.00
ii)	Uni-Directional Taxiway Centreline Light Fitting (Change Base, Reinstate Light)	no.	\$ 466.00
iii)	Uni-Directional Taxiway Centreline Light Fitting (New Base, New Light)	no.	\$ 1,150.00
iv)	Uni-Directional Taxiway Centreline Light Fitting (Keep Base, New Light)	no.	\$ 1,000.00
v)	Bi-Directional Stop Bar Light Fitting (Change Base, New Light)	no.	\$ 1,150.00
vi)	Bi-Directional Stop Bar Light Fitting (Keep Base, New Light)	no.	\$ 1,000.00
vii)	Bi-Directional Stop Bar Light Fitting (New Base, New Light)	no.	\$ 1,150.00
viii)	Omni Directional - Stand Stop Light Fitting	no.	\$ 1,086.50
vii)	Reflective Edge Light Fitting (Non-illuminated)	no.	\$ 400.00
vii)	Stand Centreline Light Fitting	no.	\$ 1,086.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.3 SCHEDULE OF RATES - MEP (ELECTRICAL AND ELV WORKS)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
vii)	Edge Light Fitting (Illuminated)	no.	\$ 930.00
<b>25.2</b>	<b>Constant Current Regular (CCR)</b>		
i)	5kW Single Circuit Output	no.	\$ 23,799.50
ii)	7.5kW Single Circuit Output	no.	\$ 24,834.00
iii)	10kW Single Circuit Output	no.	\$ 25,869.00
iv)	15kW Single Circuit Output	no.	\$ 26,903.50
v)	20kW Single Circuit Output	no.	\$ 29,490.50
vi)	25kW Single Circuit Output	no.	\$ 31,560.00
vii)	30kW Single Circuit Output	no.	\$ 32,595.00
viii)	35kW Single Circuit Output	no.	\$ 39,165.00
ix)	40kW Single Circuit Output	no.	\$ 45,948.00
x)	45kW Single Circuit Output	no.	\$ 53,938.00
xi)	50kW Single Circuit Output	no.	\$ 60,500.00
<b>25.3</b>	<b>Control Addressable Switching Device</b>		
i)	Single Output Single Lamp	no.	\$ 600.00
ii)	Dual Output Single Lamp	no.	\$ 700.00
<b>26</b>	<b>Fixed Ground Services</b>		
26.1	Hatch Pits Equipment include socket outlet, earthing bar, lighting c/w switch, float switch and pump:		
i)	400Hz Hatch Pits Equipment - Single Type 2	no.	\$ 78,011.50
ii)	400Hz Hatch Pits Equipment- Single Type 3	no.	\$ 73,105.00
iii)	400Hz Hatch Pits Equipment - Dual Type 1	no.	\$ 87,333.50
iv)	Sump pump c/w control panel (30KW)	no.	\$ 11,000.00
v)	Sump pump c/w control panel (60KW)	no.	\$ 12,000.00
vi)	Sump pump c/w control panel (90KW)	no.	\$ 13,452.00
vii)	Sump pump c/w control panel (120KW)	no.	\$ 14,486.50
<b>27</b>	<b>GPU Converter</b>		
i)	GPU Converter - 90kVA	no.	\$ 55,414.00
ii)	400Hz Stand Cable (25 meter)	m	\$ 150.00
iii)	400Hz Delivery Cable with aircraft connector (standard length of 14m)	m	\$ 1,000.00



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.4 SCHEDULE OF RATES - MEP (SECURITY SYSTEM)**

			Nov-24
ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1</b>	<b>SECURITY MANAGEMENT PLATFORMS</b>		
1.1	Access Control System (ACS License)	no	\$ 1,035.00
1.2	Access Control System (ACS)	no	\$ 5,174.00
1.3	Video Management System (VMS) - Unified Platform	no	\$ 1,035.00
1.4	Electronic Key Management System (EKMS)	no	\$ 50,000.00
1.5	Video Content Analytics (VCA) - Facial Recognition	no	\$ 5,174.00
1.6	Video Content Analytics (VCA) - Flame & Smoke Detection	no	\$ 5,174.00
<b>2</b>	<b>SECURITY INFRASTRUCTURE</b>		
2.1	Network - L3 Distribution Switch	no	\$ 8,278.00
2.2	Network - Industrial Switch	no	\$ 2,069.50
2.3	Network - Router/Firewall + 1 year license	no	\$ 31,042.50
2.4	Network - GPON OLT	no	\$ 237,992.50
2.5	Network - GPON ONT	no	\$ 3,104.50
2.6	Network - GPON Splitter	no	\$ 1,850.00
2.7	Computer - Log Server for Cyber Security including software	no	\$ 31,042.50
2.8	Computer - Anti-Virus Server including software + 1 year license	no	\$ 15,521.50
2.9	Computer - Server	no	\$ 10,347.50
2.10	Rack - Free-Standing - 47RU	no	\$ 5,174.00
2.11	Power - Rack PDU	no	\$ 310.50
2.12	Power - Rack ATS	no	\$ 3,104.50
2.13	Power - Rack UPS	no	\$ 6,208.50
2.14	Power - Surge Protection	no	\$ 3,150.00
2.15	Power - PDU within OG	no	\$ 517.50
2.16	Power - 15min UPS within OG	no	\$ 1,552.50
2.17	Security OG Box	no	\$ 1,962.00
2.18	Surge Protection Device (SPD)	no	\$ 1,272.50
2.19	Cable Management - Fiber Patch Panel - 96 Fiber	no	\$ 828.00
2.20	Cable Management - Copper Patch Panel - 24 Copper	no	\$ 207.00
2.21	Cable - Fiber OS2 - 2 Core	m	\$ 8.50
2.22	Cable - Fiber OS2 - 2 Core	m	\$ 8.50
<b>2</b>	<b>SECURITY INFRASTRUCTURE (Cont'd)</b>		
2.23	Cable - Twisted Pair CAT6A	m	\$ 4.50
2.24	Cable - Access Control	m	\$ 47.50
2.25	Cable - GI Conduit	m	\$ 26.00
2.26	Cable - GI Trunk	m	\$ 137.50
2.27	Cable - Underground Pipe (150mm dia including cable duct)	m	\$ 215.00
2.28	Transceiver (SFP Module)	no	\$ 367.50
2.29	Transceiver (SFP+ Module)	no	\$ 1,827.00
2.30	Keyboard Video Monitor	no	\$ 2,587.00
<b>3</b>	<b>ELECTRONIC ACCESS CONTROL SYSTEM (EACS)</b>		
3.1	Controller - Access Controller Unit (ACU)	no	\$ 1,242.00
3.2	Controller - Lift Controller Unit (LCU)	no	\$ 1,449.00
3.3	Controller - Input Output Unit (IOU)	no	\$ 1,449.00
3.4	Controller - Fire Alarm Interface Unit (FAIU)	no	\$ 1,449.00
3.5	Controller - Wall PSU (Includes 6 nos. 7AH battery)	no	\$ 1,035.00
3.6	Controller - Wall Enclosure (House 2 nos. ACUS, 2 nos. PSUS, 12 nos. 7AH battery)	no	\$ 1,345.50
3.7	Reader - Card w/ PIN	no	\$ 828.00
3.8	Lockset - Electromagnetic (EM) with contacts (1200 lbs)	no	\$ 621.00
3.9	Lockset - Electric Mortise/Pushbar	no	\$ 1,035.00
3.10	Door Accessories - Request to Exit (REX)	no	\$ 31.50
3.11	Door Accessories - Emergency Breakglass	no	\$ 52.00
3.12	Door Accessories - Keypad	no	\$ 621.00
3.13	Door Accessories - Standalone Contact	no	\$ 52.00

<b>4</b>	<b>VIDEO SURVEILLANCE SYSTEM(VSS)</b>		
<b>4.1</b>	Video Storage - Network Video Recorder (NVR) (With 26 nos. 12TB HDD)	no	\$ 124,170.00
<b>4.2</b>	Fixed Camera - Dome Indoor (5MP)	no	\$ 1,345.50
<b>4.3</b>	Fixed Camera - Dome Indoor (8MP)	no	\$ 1,552.50
<b>4.4</b>	Fixed Camera - Dome Outdoor (5MP)	no	\$ 1,345.50
<b>4.5</b>	Fixed Camera - Dome Outdoor (8MP)	no	\$ 1,552.50
<b>4.6</b>	Fixed/PTZ Cameras	no	\$ 4,139.00
<b>4.7</b>	Fixed outdoor cameras	no	\$ 1,552.50
<b>4.8</b>	Flame Detection Camera - Bullet	no	\$ 5,174.00
<b>4.9</b>	Thermometric Camera - Bullet	no	\$ 5,174.00
<b>4.10</b>	Camera Pole (5m height)	no	\$ 1,759.50
<b>4.10</b>	Tilt Down Camera Pole (6m height)	no	\$ 1,987.00
<b>4.11</b>	Camera Mounting Kit	no	\$ 275.00
<b>T4SOR</b>	Digital IP65-rated CCTV Cameras	no	
<b>5</b>	<b>ELECTRONIC KEY MANAGEMENT SYSTEM</b>		
<b>5.1</b>	Electronic Key Management System (EKMS) - Key Cabinet 32 Keys	no	\$ 51,737.50
<b>5.2</b>	Electronic Key Management System (EKMS) - Key Cabinet 252 Keys	no	\$ 103,475.00
<b>6</b>	<b>PHYSICAL SECURITY MEASURES</b>		
<b>6.1</b>	Active Hostile Vehicle Mitigation (HVM) - Road Blocker	no	\$ 108,380.00
<b>6.2</b>	Passive Hostile Vehicle Mitigation (HVM) - Bollard	no	\$ 4,925.00
<b>6.3</b>	Anti-Tailgating - Full-Height Turnstiles	no	\$ 12,750.00
<b>6.4</b>	Admin/carpark barrier	no	\$ 14,000.00
<b>7</b>	<b>SECURITY SCREENING &amp; SEARCH SYSTEM (SSSS) - PEDESTRIAN</b>		
<b>7.1</b>	CT scanner (for belongings)	no	\$ 399,000.00
<b>7.2</b>	Body Scanner (for personnel)	no	\$ 399,000.00
<b>7.3</b>	Explosive Trace Detector (Table top)	no	\$ 56,700.00
<b>7.4</b>	Handheld Metal Detectors	no	\$ 410.00
<b>8</b>	<b>SECURITY SCREENING &amp; SEARCH SYSTEM (SSSS) - VEHICLE</b>		
<b>8.1</b>	Backscatter X-ray Vehicle Portal (for Cargo)	no	\$ 2,800,000.00
<b>8.2</b>	Backscatter X-ray Vehicle Portal (for Cars)	no	\$ 1,350,000.00
<b>8.3</b>	Undercarriage Video Surveillance System (UVSS)	no	\$ 157,500.00
<b>8.4</b>	Undercarriage Mirrors	no	\$ 1,335.00
<b>8.5</b>	Handheld Explosive Detector (high threat con)	no	\$ 52,500.00
<b>9</b>	<b>SECURITY GATE</b>		
<b>9.1</b>	Crash barriers	no	\$ 167,500.00
<b>9.2</b>	Drop arm barriers	no	\$ 14,000.00
<b>9.3</b>	Walk through metal detector	no	\$ 20,350.00
<b>9.4</b>	4 walk through turnstiles	no	\$ 53,000.00
<b>10</b>	<b>INTEGRATED PERIMETER INTRUSION DETECTION SYSTEM (IPIDS)</b>		
<b>10.1</b>	Fit-out of PIDS	m	\$ 200.00
<b>10.2</b>	Fit-out of CCTV	m	\$ 650.00
<b>10.3</b>	Removal of PIDS	m	\$ 150.00
<b>10.4</b>	Removal of CCTV	m	\$ 150.00
<b>11</b>	<b>OTHERS</b>		
<b>11.1</b>	Security workstations	no	\$ 6,208.50
<b>11.2</b>	PC	no	\$ 4,139.00
<b>11.3</b>	Monitors	no	\$ 414.00
<b>11.4</b>	Keyboard	no	\$ 2,069.50
<b>11.5</b>	Mouse	no	\$ 103.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.5 SCHEDULE OF RATES - MEP (FIRE PROTECTION SYSTEM)**

**Nov-24**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>1</b>	<b>FIREMEN INTERCOM SYSTEM</b>		
<b>1.1</b>	Remote intercom handset	no	\$ 500.00
<b>1.2</b>	Metal box inclusive breakglass panel	no	\$ 300.00
<b>2</b>	<b>EQUIPMENT</b>		
<b>2.1</b>	<b>Pressed Steel Water Tank Per Panel</b>		
<b>2.1.1</b>	<b>Pressed Steel Water Tank Panel</b>		
<b>2.1.1.1</b>	1 tier		
i	1m (w) x 1m (ht)	no	\$ 1,800.00
ii	0.5m (w) x 1m (ht)	no	\$ 2,000.00
<b>2.1.1.2</b>	2 tier		
i	1m (w) x 1m (ht)	no	\$ 2,069.50
ii	0.5m (w) x 1m (ht)	no	\$ 2,587.00
<b>2.1.1.3</b>	3 tier		
i	1m (w) x 1m (ht)	no	\$ 2,587.00
ii	0.5m (w) x 1m (ht)	no	\$ 3,104.50
<b>3</b>	<b>SPRINKLER</b>		
<b>3.1</b>	<b>Sprinkler Heads Complete With 32mm Diameter Dropper and All Necessary Accessories</b>		
<b>3.1.1</b>	<b>68°C Sprinkler Head</b>		
<b>3.1.1.1</b>	Brass or chrome finish upright or pendent sprinkler	no	\$ 124.50
<b>3.1.1.2</b>	Brass or chrome finish recessed pendent sprinkler	no	\$ 124.50
<b>3.1.1.3</b>	Chrome, brass plated or white painted concealed pendent (Royal Flush)	no	\$ 155.50
<b>3.1.1.4</b>	Chrome or brass finish horizontal sidewall sprinkler	no	\$ 124.50
<b>3.1.1.5</b>	Chrome or brass finish vertical sidewall sprinkler	no	\$ 124.50
<b>3.1.1.6</b>	Pendant sprinkler (cold or freezer room sprinkler)	no	\$ 259.00
<b>3.1.1.7</b>	Natural brass or stainless steel spray nozzles sprinkler	no	\$ 414.00
<b>3.1.1.8</b>	Extended coverage pendant sprinkler (cold or freezer room sprinkler)	no	\$ 259.00
<b>3.1.2</b>	<b>97°C Sprinkler Head</b>		
<b>3.1.2.1</b>	Brass or chrome finish upright or pendent sprinkler	no	\$ 124.50
<b>3.1.2.2</b>	Brass or chrome finish recessed pendent sprinkler	no	\$ 124.50
<b>3.1.2.3</b>	Chrome, brass plated or white painted concealed pendent (Royal flush)	no	\$ 155.50
<b>3.1.2.4</b>	Chrome or brass finish horizontal sidewall sprinkler	no	\$ 124.50
<b>3.1.2.5</b>	Chrome or brass finish vertical sidewall sprinkler	no	\$ 124.50
<b>3.1.2.6</b>	Natural brass or stainless steel spray nozzles sprinkler	no	\$ 362.50

<b>3.1.3</b>	<b>141°C Sprinkler Head</b>		
3.1.3.1	Brass or chrome finish upright or pendent sprinkler	no	\$ 124.50
3.1.3.2	Brass or chrome finish recessed pendent sprinkler	no	\$ 124.50
3.1.3.3	Chrome, brass plated or white painted concealed pendent (Royal Flush)	no	\$ 155.50
3.1.3.4	Chrome or brass finish horizontal sidewall sprinkler	no	\$ 124.50
3.1.3.5	Chrome or brass finish vertical sidewall sprinkler	no	\$ 124.50
3.1.3.6	Natural brass or stainless steel spray nozzles sprinkler	no	\$ 350.00
<b>3.1.4</b>	<b>Sprinkler Protective Guard</b>	no	\$ 50.00
<b>3.1.5</b>	<b>Fast Response Sprinkler</b>	no	\$ 150.00
<b>3.2</b>	<b>Relocation of Sprinkler Within 3m Radius</b>		
<b>3.2.1</b>	<b>Relocate</b>		
3.2.1.1	Sprinkler head inclusive of pipework & fittings	pt	\$ 1,100.00
<b>3.3</b>	<b>Breeching Inlet</b>		
<b>3.3.1</b>	<b>2-Way Fire Brigade Breeching Inlet</b>		
i	Mild steel cabinet	no	\$ 1,200.00
ii	Stainless steel cabinet 316	no	\$ 2,000.00
iii	Stainless steel cabinet 304	no	\$ 2,500.00
T4SOR	Stainless Steel	no	

<b>3.3.2</b>	<b>4-Way Fire Brigade Breeching Inlet</b>		
i	Mild steel cabinet	no	\$ 1,800.00
ii	Stainless steel cabinet 316	no	\$ 2,587.00
iii	Stainless steel cabinet 304	no	\$ 3,000.00
<b>T4SOR</b>	<b>Stainless Steel</b>	no	
<b>3.4</b>	<b>Pre-Action / Deluge Sprinkler System</b>		
<b>3.4.1</b>	Deluge control valve inclusive solenoid valve, supervisory pressure switch and alarm trim	no	\$ 12,000.00
<b>3.4.2</b>	Pre-action sprinkler control panel inclusive battery	no	\$ 8,000.00
<b>3.4.3</b>	Air maintenance compressor	no	\$ 6,000.00
<b>4</b>	<b>PRIVATE HYDRANT</b>		
<b>4.1</b>	Pillar Hydrants Complete with Sluice Valves, Valve Chambers, Duck Foot Bends and Necessary Accessories	no	\$ 4,000.00
<b>5</b>	<b>HOSEREEL</b>		
<b>5.1</b>	<b>Hosereel (Fixed Type)</b>		
i	Reinforced non-kink rubber hose	no	\$ 500.00
<b>5.2</b>	<b>Hosereel (Pivoted Swing Type)</b>		
i	Reinforced non-kink rubber hose	no	\$ 400.00
<b>5.3</b>	<b>Cabinet</b>		
i	Mild steel	no	\$ 600.00
ii	Stainless steel 316	no	\$ 1,028.00
iii	Stainless steel 304	no	\$ 1,000.00
<b>T4SOR</b>	<b>Stainless Steel</b>	no	
<b>6</b>	<b>DRY RISER</b>		
<b>6.1</b>	<b>Cabinet</b>		
i	Mild steel	no	\$ 500.00
ii	Stainless steel 316	no	\$ 1,428.00
iii	Stainless steel 304	no	\$ 1,500.00
<b>6.2</b>	<b>Dry Riser Landing ValveInclusive of strap and padlock</b>		
i	Flanged type	no	\$ 500.00
ii	Screwed type	no	\$ 800.00
<b>MCC</b>	<b>y Riser Landing Valves</b>	no	
<b>7</b>	<b>GAS SYSTEM</b>		
<b>7.1</b>	Inert gas	kg	\$ 500.00
<b>7.2</b>	Gas cylinder	no	\$ 6,693.00
<b>7.3</b>	Nozzle	no	\$ 550.00
<b>7.4</b>	Abort station	no	\$ 550.00
<b>7.5</b>	Evacuation sign	no	\$ 550.00
<b>7.6</b>	Gas discharge sign	no	\$ 550.00
<b>7.7</b>	Manual station	no	\$ 550.00
<b>7.8</b>	Rotating / strobe light	no	\$ 550.00
<b>7.9</b>	Breathing apparatus	no	\$ 1,800.00
<b>8</b>	<b>FIRE ALARM SYSTEM</b>		
<b>8.1</b>	<b>Fire Alarm Panel</b>		
<b>8.1.1</b>	<b>Addressable Fire Alarm Panel</b>		
i	4 zones	no	\$ 2,587.00

ii	8 zones	no	\$ 3,311.50
iii	12 zones	no	\$ 4,139.00
<b>8.1.2</b>	<b>Addressable Fire Alarm Panel with Minimum 128 Zones Module</b>	no	\$ 10,000.00
<b>8.1.3</b>	<b>Addressable Fire Alarm Zone Card</b>	no	\$ 3,000.00
<b>8.1.4</b>	<b>Alarm Repeater Panel</b>	no	\$ 8,000.00
<b>8.1.5</b>	<b>Colour Zone Chart (Silkscreen c/w LED Light, Wiring)</b>	no	\$ 1,552.50
<b>8.1.6</b>	<b>Colour Zone Chart (Silkscreen)</b>	no	\$ 1,800.00
<b>8.2</b>	<b>Miscellaneous(Addressable Type)</b>		
<b>8.2.1</b>	Interface Unit	no	\$ 3,000.00
<b>8.2.2</b>	Siren or Yodalarm	no	\$ 550.00
<b>8.2.3</b>	Addressable Line Isolator	no	\$ 1,200.00
<b>8.2.4</b>	Remote Indicator Light / Beacon Light		
i	Indoor type	no	\$ 550.00
ii	Waterproof type	no	\$ 650.00
<b>8.2.5</b>	Breakglass Push-Button Call Button		
i	Indoor type	no	\$ 550.00
ii	Weatherproof type	no	\$ 650.00
<b>8.2.6</b>	150mm Diameter Alarm Bell	no	\$ 550.00
<b>8.2.7</b>	Heat Detector	no	\$ 550.00
<b>8.2.8</b>	Heat Detector (Optical)	no	\$ 550.00
<b>8.2.9</b>	Heat Detector (Rate-of-Rise & Fixed Temperature)	no	\$ 550.00
<b>8.2.10</b>	Smoke Detector (Ionization)	no	\$ 525.50
<b>8.2.11</b>	Smoke Detector (Photo-electric)	no	\$ 550.00
<b>8.2.12</b>	Beam Detector	no	\$ 3,000.00
<b>8.2.13</b>	Probe Type Smoke Detector	no	\$ 550.00
<b>8.2.14</b>	Flame Detector	no	\$ 5,500.00
<b>8.2.15</b>	Multi-criteria Detector	no	\$ 575.50

<b>8.3</b>	<b>Wiring inclusive cable supporting system, programming and associated accessories, terminations, etc.</b>		
<b>8.3.1</b>	<b>Conventional Type</b>		
8.3.1.1	New		
i	breakglass push-button call point	pt	\$ 450.00
ii	alarm bell	pt	\$ 450.00
iii	heat detector	pt	\$ 450.00
iv	smoke detector	pt	\$ 450.00
v	beam detector	pt	\$ 2,500.00
vi	flame detector	pt	\$ 5,500.00
vii	beacon light	pt	\$ 450.00
8.3.1.2	Relocate		
i	breakglass push-button call point	pt	\$ 350.00
ii	alarm bell	pt	\$ 350.00
iii	heat detector	pt	\$ 350.00
iv	smoke detector	pt	\$ 350.00
v	beam detector	pt	\$ 560.00
vi	flame detector	pt	\$ 362.50
vii	beacon light	pt	\$ 350.00
<b>8.3.2</b>	<b>Addressable Type</b>		
8.3.2.1	New		
i	breakglass push-button call point	pt	\$ 550.00
ii	alarm bell	pt	\$ 550.00
iii	heat detector	pt	\$ 550.00
iv	smoke detector	pt	\$ 550.00
v	beam detector	pt	\$ 3,500.00
vi	flame detector	pt	\$ 5,500.00
vii	beacon light	pt	\$ 550.00
8.3.2.2	Relocate		
i	breakglass push-button call point	pt	\$ 450.00
ii	alarm bell	pt	\$ 450.00
iii	heat detector	pt	\$ 450.00
iv	smoke detector	pt	\$ 450.00
v	beam detector	pt	\$ 750.00
vi	flame detector	pt	\$ 491.00
vii	beacon light	pt	\$ 450.00
<b>9 ELECTRICAL WORKS</b>			
<b>Cabling</b>			
<b>Supply and installation of cables on vertical and/or horizontal cable support system (exclude cable support system) inclusive of CPC, cable ties, fixing cleats, cable lugs, terminations, jointing and associated ancillary accessories.</b>			
<b>9.1</b>	<b>PVC Insulated Cable</b>		
9.1.1.1	Without CPC		

	1 x 1C			
a	1.5 mm <sup>2</sup>	m	\$	3.60
b	2.5 mm <sup>2</sup>	m	\$	4.40
9.1.1.2	With CPC			
9.1.1.1.1	1 x 2C			
a	1.5 mm <sup>2</sup>	m	\$	4.00
b	2.5 mm <sup>2</sup>	m	\$	5.00
9.1.1.1.2	1 x 3C			
a	1.5 mm <sup>2</sup>	m	\$	4.60
b	2.5 mm <sup>2</sup>	m	\$	5.65
9.1.1.1.3	1 x 4C			
a	1.5 mm <sup>2</sup>	m	\$	5.05
b	2.5 mm <sup>2</sup>	m	\$	6.50
<b>9.1.2</b>	<b>Fire-Rated Cable (MICA/XLPE/LSHF)</b>			
9.1.2.1	Without CPC			
	1 x 1C			
a	1.5 mm <sup>2</sup>	m	\$	4.65
b	2.5 mm <sup>2</sup>	m	\$	5.60
c	1 x 4 mm <sup>2</sup>	m	\$	6.55
d	1 x 6 mm <sup>2</sup>	m	\$	11.45
e	1 x 10 mm <sup>2</sup>	m	\$	13.25
f	1 x 150 mm <sup>2</sup>	m	\$	56.00
g	1 x 185 mm <sup>2</sup>	m	\$	68.00
h	1 x 240 mm <sup>2</sup>	m	\$	86.00
i	1 x 300 mm <sup>2</sup>	m	\$	108.00
j	1 x 400 mm <sup>2</sup>	m	\$	130.00
k	1 x 500 mm <sup>2</sup>	m	\$	155.00



9.1.2.2	With CPC		
9.1.2.2.1	1 x 2C		
a	1.5 mm <sup>2</sup>	m	\$ 9.30
b	2.5 mm <sup>2</sup>	m	\$ 11.20
c	1 x 4 mm <sup>2</sup>	m	\$ 13.10
d	1 x 6 mm <sup>2</sup>	m	\$ 22.90
e	1 x 10 mm <sup>2</sup>	m	\$ 26.00
f	1 x 150 mm <sup>2</sup>	m	\$ 103.40
g	1 x 185 mm <sup>2</sup>	m	\$ 125.32
h	1 x 240 mm <sup>2</sup>	m	\$ 160.72
i	1 x 300 mm <sup>2</sup>	m	\$ 200.20
j	1 x 400 mm <sup>2</sup>	m	\$ 241.80
k	1 x 500 mm <sup>2</sup>	m	\$ 289.60
9.1.2.2.2	1 x 3C		
a	1.5 mm <sup>2</sup>	m	\$ 13.45
b	2.5 mm <sup>2</sup>	m	\$ 16.30
c	1 x 4 mm <sup>2</sup>	m	\$ 19.15
d	1 x 6 mm <sup>2</sup>	m	\$ 32.70
e	1 x 10 mm <sup>2</sup>	m	\$ 37.75
f	1 x 150 mm <sup>2</sup>	m	\$ 155.10
g	1 x 185 mm <sup>2</sup>	m	\$ 187.98
h	1 x 240 mm <sup>2</sup>	m	\$ 241.08
i	1 x 300 mm <sup>2</sup>	m	\$ 300.30
j	1 x 400 mm <sup>2</sup>	m	\$ 362.70
k	1 x 500 mm <sup>2</sup>	m	\$ 434.40
9.1.2.2.3	1 x 4C		
a	1.5 mm <sup>2</sup>	m	\$ 18.10
b	2.5 mm <sup>2</sup>	m	\$ 20.80
c	1 x 4 mm <sup>2</sup>	m	\$ 24.40
d	1 x 6 mm <sup>2</sup>	m	\$ 43.60
e	1 x 10 mm <sup>2</sup>	m	\$ 50.00
f	1 x 150 mm <sup>2</sup>	m	\$ 206.80
g	1 x 185 mm <sup>2</sup>	m	\$ 250.64
h	1 x 240 mm <sup>2</sup>	m	\$ 321.44
i	1 x 300 mm <sup>2</sup>	m	\$ 400.40
j	1 x 400 mm <sup>2</sup>	m	\$ 483.60
k	1 x 500 mm <sup>2</sup>	m	\$ 579.20
<b>9.1.3</b>	<b>Sensing Cable</b>		
9.1.3.1	2 x 1.5 mm <sup>2</sup>	m	\$ 8.60
9.1.3.1	2 x 2.5 mm <sup>2</sup>	m	\$ 10.40
<b>9.2</b>	<b>Cable Containment</b>		
	<b>Supply and installation of cable trunking, ladder, tray and</b>		
<b>9.2.1</b>	<b>Conduit</b>		
9.2.1.1	Surface		
	Galvanised Steel		
a	ø20	m	\$ 30.00
b	ø25	m	\$ 40.00
c	ø32	m	\$ 50.00
9.2.1.2	Concealed (In Wall, Slab, Partition and RC)		
	Galvanised Steel		
a	ø20	m	\$ 31.50
b	ø25	m	\$ 40.00
c	ø32	m	\$ 50.00

<b>9.2.2</b>	<b>Trunking</b>		
9.2.2.1	Hot Dipped Galvanised Mild Steel		
a	50mm x 25mm	m	\$ 30.00
b	50mm x 50mm	m	\$ 40.00
c	75mm x 50mm	m	\$ 50.00
d	75mm x 75mm	m	\$ 60.00
e	100mm x 50mm	m	\$ 70.00
f	100mm x 75mm	m	\$ 80.00
g	100mm x 100mm	m	\$ 90.00
h	150mm x 75mm	m	\$ 100.00
i	150mm x 100mm	m	\$ 110.00
j	200mm x 75mm	m	\$ 120.00
k	200mm x 100mm	m	\$ 150.00
l	225mm x 100mm	m	\$ 160.00
m	225mm x 150mm	m	\$ 180.00
n	300mm x 150mm	m	\$ 200.00
<b>9.2.3</b>	<b>Cable Tray</b>		
9.2.3.1	Hot Dipped Galvanised Mild Steel		
a	50mm wide	m	\$ 30.00
b	100mm wide	m	\$ 40.00
c	150mm wide	m	\$ 50.00
d	200mm wide	m	\$ 60.00
e	250mm wide	m	\$ 70.00
f	300mm wide	m	\$ 80.00
g	450mm wide	m	\$ 90.00
h	600mm wide	m	\$ 100.00
i	750mm wide	m	\$ 114.00
j	800mm wide	m	\$ 124.50
k	900mm wide	m	\$ 150.00

<b>9.2.4</b>	<b>Cable Ladder</b>		
9.2.4.1	Hot Dipped Galvanised Mild Steel		
a	300mm	m	\$ 31.50
b	450mm	m	\$ 41.50
c	600mm	m	\$ 52.00
d	750mm	m	\$ 62.50
e	900mm	m	\$ 72.50
f	1000mm	m	\$ 83.00
<b>10</b>	<b>PIPEWORK</b>		
	<b>Pipes inclusive all necessary fittings, brackets, bends, elbows,</b>		
<b>10.1</b>	<b>Copper BS EN1057</b>		
<b>10.1.1</b>	<b>Light Gauge (Table X)</b>		
a	ø25 mm	m	\$ 60.00
b	ø32 mm	m	\$ 65.00
c	ø40 mm	m	\$ 70.00
d	ø50 mm	m	\$ 83.00
<b>10.1.2</b>	<b>Heavy Gauge (Table Y)</b>		
a	ø25 mm	m	\$ 72.50
b	ø32 mm	m	\$ 78.00
c	ø40 mm	m	\$ 88.00
d	ø50 mm	m	\$ 93.50
<b>10.2</b>	<b>Seamless Black Carbon Steel BS3601</b>		
a	ø25 mm	m	\$ 67.50
b	ø32 mm	m	\$ 72.50
c	ø40 mm	m	\$ 150.50
d	ø50 mm	m	\$ 171.00
e	ø65 mm	m	\$ 207.00
f	ø80 mm	m	\$ 310.50
g	ø100 mm	m	\$ 400.00
h	ø150 mm	m	\$ 466.00
i	ø200 mm	m	\$ 600.00
j	ø250 mm	m	\$ 700.00
<b>10.3</b>	<b>Ductile Iron Cement Lined BS EN545</b>		
<b>10.3.1</b>	<b>Underground</b>		
a	ø80 mm	m	\$ 341.50
b	ø100 mm	m	\$ 362.50
c	ø150 mm	m	\$ 414.00
d	ø200 mm	m	\$ 466.00
e	ø250 mm	m	\$ 517.50
<b>10.4</b>	<b>Galvanised mild steel BS1387</b>		
<b>10.4.1</b>	<b>Medium Gauge Class B</b>		
a	ø25 mm	m	\$ 45.00
b	ø32 mm	m	\$ 50.00
c	ø40 mm	m	\$ 60.00
d	ø50 mm	m	\$ 70.00
e	ø65 mm	m	\$ 80.00
f	ø80 mm	m	\$ 100.00
g	ø100 mm	m	\$ 120.00
h	ø150 mm	m	\$ 140.00
i	ø200 mm	m	\$ 175.00
j	ø250 mm	m	\$ 207.00
<b>10.4.2</b>	<b>Heavy Gauge Class C</b>		

a	ø25 mm	m	\$ 45.00
b	ø32 mm	m	\$ 55.00
c	ø40 mm	m	\$ 60.00
d	ø50 mm	m	\$ 72.50
e	ø65 mm	m	\$ 82.50
f	ø80 mm	m	\$ 92.50
g	ø100 mm	m	\$ 120.00
h	ø150 mm	m	\$ 140.00
i	ø200 mm	m	\$ 160.00
j	ø250 mm	m	\$ 180.00
<b>10.5</b>	<b>Black Mild Steel BS1387</b>		
<b>10.5.1</b>	<b>Medium Gauge Class B</b>		
a	ø25 mm	m	\$ 36.50
b	ø32 mm	m	\$ 41.50
c	ø40 mm	m	\$ 52.00
d	ø50 mm	m	\$ 62.50
e	ø65 mm	m	\$ 67.50
f	ø80 mm	m	\$ 77.50
g	ø100 mm	m	\$ 103.50
h	ø150 mm	m	\$ 120.00
i	ø200 mm	m	\$ 150.00
j	ø250 mm	m	\$ 180.00
<b>10.5.2</b>	<b>Heavy Gauge Class C</b>		
a	ø25 mm	m	\$ 41.50
b	ø32 mm	m	\$ 47.00
c	ø40 mm	m	\$ 57.00
d	ø50 mm	m	\$ 67.50
e	ø65 mm	m	\$ 72.50
f	ø80 mm	m	\$ 83.00
g	ø100 mm	m	\$ 114.00
h	ø150 mm	m	\$ 135.00
i	ø200 mm	m	\$ 160.00
j	ø250 mm	m	\$ 200.00

<b>10.6</b>	<b>Stainless Steel</b>		
<b>10.6.1</b>	<b>Medium Gauge</b>		
a	ø25 mm	m	\$ 100.00
b	ø32 mm	m	\$ 120.00
c	ø40 mm	m	\$ 150.00
d	ø50 mm	m	\$ 180.00
<b>10.6.2</b>	<b>Heavy Gauge</b>		
a	ø25 mm	m	\$ 140.00
b	ø32 mm	m	\$ 144.00
c	ø40 mm	m	\$ 160.00
d	ø50 mm	m	\$ 170.00
<b>10.7</b>	<b>API SCH 40</b>		
a	ø25 mm	m	\$ 110.00
b	ø32 mm	m	\$ 120.00
c	ø40 mm	m	\$ 140.00
d	ø50 mm	m	\$ 160.00
e	ø65 mm	m	\$ 180.00
f	ø80 mm	m	\$ 240.00
g	ø100 mm	m	\$ 280.00
h	ø150 mm	m	\$ 320.00
i	ø200 mm	m	\$ 360.00
j	ø250 mm	m	\$ 480.00
k	ø300 mm	m	\$ 600.00
<b>11</b>	<b>VALVES, FITTINGS AND INSTRUMENTS</b>		
<b>11.1</b>	<b>Valves</b>		
<b>11.1.1</b>	<b>Bronze</b>		
<b>11.1.1.1</b>	<b>Gate valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 900.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.1.2</b>	<b>Check valve / non-return valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 900.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.1.3</b>	<b>Globe valve</b>		
a	ø25 mm	no	\$ 110.00
b	ø32 mm	no	\$ 150.00
c	ø40 mm	no	\$ 200.00
d	ø50 mm	no	\$ 300.00

e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 900.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.1.4</b>	<b>Ball float valve</b>		
a	ø65 mm	no	\$ 1,552.50
b	ø100 mm	no	\$ 1,810.00
c	ø150 mm	no	\$ 2,500.00
<b>11.1.1.5</b>	<b>Butterfly valve</b>		
a	ø40 mm	no	\$ 207.00
b	ø50 mm	no	\$ 310.50
c	ø65 mm	no	\$ 414.00
d	ø80 mm	no	\$ 517.50
e	ø100 mm	no	\$ 700.00
f	ø150 mm	no	\$ 900.00
g	ø200 mm	no	\$ 1,138.50
h	ø250 mm	no	\$ 1,552.50
<b>11.1.1.6</b>	<b>Y-strainer</b>		
a	ø65 mm	no	\$ 414.00
b	ø80 mm	no	\$ 500.00
c	ø100 mm	no	\$ 700.00
d	ø150 mm	no	\$ 900.00
<b>11.1.1.7</b>	<b>Air release valve</b>		
a	ø50 mm	no	\$ 100.00
<b>11.1.1.8</b>	<b>Drain valve</b>		
a	ø25 mm	no	\$ 103.50
<b>11.1.1.9</b>	<b>Sprinkler alarm check valve</b>		
a	ø100 mm	no	\$ 8,000.00
b	ø150 mm	no	\$ 9,000.00

<b>11.1.1.10</b>	<b>Pressure reducing valve</b>		
a	ø100 mm	no	\$ 2,000.00
b	ø150 mm	no	\$ 3,000.00
c	ø200 mm	no	\$ 4,000.00
<b>11.1.1.11</b>	<b>OS and Y valve</b>		
a	ø150 mm	no	\$ 931.50
<b>11.1.2</b>	<b>Cast Gunmetal</b>		
<b>11.1.2.1</b>	<b>Gate valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 910.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.2.2</b>	<b>Check valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 910.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.2.3</b>	<b>Globe valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 900.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.2.4</b>	<b>Ball float valve</b>		
a	ø65 mm	no	\$ 1,552.50
b	ø100 mm	no	\$ 1,850.00
c	ø150 mm	no	\$ 2,500.00
<b>11.1.2.5</b>	<b>Butterfly valve</b>		
a	ø40 mm	no	\$ 207.00
b	ø50 mm	no	\$ 310.50
c	ø65 mm	no	\$ 414.00
d	ø80 mm	no	\$ 517.50
e	ø100 mm	no	\$ 700.00
f	ø150 mm	no	\$ 900.00
g	ø200 mm	no	\$ 1,138.50
h	ø250 mm	no	\$ 1,552.50

<b>11.1.2.6</b>	<b>Y-strainer</b>		
a	ø65 mm	no	\$ 400.00
b	ø80 mm	no	\$ 500.00
c	ø100 mm	no	\$ 700.00
d	ø150 mm	no	\$ 900.00
<b>11.1.2.7</b>	<b>Air release valve</b>		
a	ø50 mm	no	\$ 103.50
<b>11.1.2.8</b>	<b>Drain valve</b>		
a	ø25 mm	no	\$ 103.50
<b>11.1.2.9</b>	<b>Sprinkler alarm check valve</b>		
a	ø100 mm	no	\$ 931.50
<b>11.1.2.10</b>	<b>Pressure reducing valve</b>		
a	ø100 mm	no	\$ 2,000.00
b	ø150 mm	no	\$ 3,000.00
c	ø200 mm	no	\$ 4,000.00
<b>11.1.2.11</b>	<b>OS and Y valve</b>		
a	ø150 mm	no	\$ 931.50
<b>11.1.3</b>	<b>Cast Iron</b>		
<b>11.1.3.1</b>	<b>Gate valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 910.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00



<b>11.1.3.2</b>	<b>Check valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 910.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.3.3</b>	<b>Globe valve</b>		
a	ø25 mm	no	\$ 114.00
b	ø32 mm	no	\$ 155.50
c	ø40 mm	no	\$ 207.00
d	ø50 mm	no	\$ 310.50
e	ø65 mm	no	\$ 414.00
f	ø80 mm	no	\$ 517.50
g	ø100 mm	no	\$ 724.50
h	ø150 mm	no	\$ 900.00
i	ø200 mm	no	\$ 1,100.00
j	ø250 mm	no	\$ 1,500.00
<b>11.1.3.4</b>	<b>Ball float valve</b>		
a	ø65 mm	no	\$ 1,552.50
b	ø100 mm	no	\$ 1,850.00
c	ø150 mm	no	\$ 2,500.00
<b>11.1.3.5</b>	<b>Butterfly valve</b>		
a	ø40 mm	no	\$ 207.00
b	ø50 mm	no	\$ 310.50
c	ø65 mm	no	\$ 414.00
d	ø80 mm	no	\$ 517.50
e	ø100 mm	no	\$ 700.00
f	ø150 mm	no	\$ 900.00
g	ø200 mm	no	\$ 1,138.50
h	ø250 mm	no	\$ 1,552.50
<b>11.1.3.6</b>	<b>Y-strainer</b>		
a	ø65 mm	no	\$ 400.00
b	ø80 mm	no	\$ 500.00
c	ø100 mm	no	\$ 700.00
d	ø150 mm	no	\$ 900.00
<b>11.1.3.7</b>	<b>Air release valve</b>		
a	ø50 mm	no	\$ 100.00
<b>11.1.3.8</b>	<b>Drain valve</b>		
a	ø25 mm	no	\$ 100.00
<b>11.1.3.9</b>	<b>Sprinkler alarm check valve</b>		
a	ø100 mm	no	\$ 8,000.00
b	ø150 mm	no	\$ 9,000.00
<b>11.1.3.10</b>	<b>Pressure reducing valve</b>		
a	ø100 mm	no	\$ 2,000.00
b	ø150 mm	no	\$ 3,000.00
c	ø200 mm	no	\$ 4,000.00
<b>11.1.3.11</b>	<b>OS and Y valve</b>		
a	ø150 mm	no	\$ 900.00
T4SOR	ø65 mm	no	

T4SOR	ø80 mm	no	
T4SOR	ø100 mm	no	
T4SOR	ø200 mm	no	
T4SOR	ø250 mm	no	
T4SOR	ø300 mm	no	
<b>11.2</b>	<b>Rubber Expansion Joint / Flexible Connection</b>		
a	ø65 mm	no	\$ 300.00
b	ø80 mm	no	\$ 400.00
c	ø100 mm	no	\$ 600.00
d	ø150 mm	no	\$ 800.00
e	ø200 mm	no	\$ 1,000.00
f	ø250 mm	no	\$ 1,200.00
g	ø300 mm	no	\$ 1,300.00
<b>11.3</b>	<b>Stainless Steel Expansion Joint</b>		
a	ø65 mm	no	\$ 600.00
b	ø80 mm	no	\$ 800.00
c	ø100 mm	no	\$ 1,200.00
d	ø150 mm	no	\$ 1,600.00
e	ø200 mm	no	\$ 2,000.00
f	ø250 mm	no	\$ 2,400.00
g	ø300 mm	no	\$ 2,600.00
<b>11.4</b>	<b>Sprinkler Control Valve including alarm valve, main stop valve, alarm gong, water proving test, drain valve, gauges, switches, trimmings, earthing etc.</b>		
a	ø100 mm	no	\$ 8,000.00
b	ø150 mm	no	\$ 9,000.00
<b>11.5</b>	<b>Pre-Action Control Valve including alarm valve, main stop valve, alarm gong, water proving test, drain valve, gauges, switches trimmings c/w air compressor, panels, all accessories, etc.</b>		
a	ø100 mm	no	\$ 10,000.00
b	ø150 mm	no	\$ 12,000.00

<b>11.6</b>	<b>Additional works for underground pipework excavation and backfilling of trench, including timbering and authority submission where necessary of depth</b>		
a	0.5 m	no	\$ 500.00
b	1.0 m	no	\$ 800.00
c	1.5 m	no	\$ 1,100.00
d	2.0 m	no	\$ 1,600.00
e	2.5 m	no	\$ 2,200.00
f	3.0 m	no	\$ 3,000.00
g	3.5 m	no	\$ 3,800.00
h	4.0 m	no	\$ 4,500.00
<b>11.7</b>	<b>2 layers of denso for underground pipe</b>		
a	ø50 mm	no	\$ 56.50
b	ø65 mm	no	\$ 68.00
c	ø80 mm	no	\$ 84.00
d	ø100 mm	no	\$ 95.00
e	ø150 mm	no	\$ 110.00
f	ø200 mm	no	\$ 129.00
g	ø250 mm	no	\$ 140.00
h	ø300 mm	no	\$ 156.50
<b>11.8</b>	<b>Water Instruments and Fittings</b>		
11.8.1	Flow Switch	no	\$ 500.00
11.8.2	Limit Switch	no	\$ 800.00
11.8.3	Level Sensor	no	\$ 300.00
11.8.4	Pressure Gauge	no	\$ 300.00
11.8.5	Meter Gauge	no	\$ 310.50
11.8.6	Pressure Switch	no	\$ 310.50
<b>11.9</b>	<b>Fire extinguisher c/w mounting bracket (w/o) cabinet</b>		
a	1.15 kg CO2	no	\$ 100.00
b	2.3 kg CO2	no	\$ 100.00
c	4 kg CO2 - dry chemical	no	\$ 200.00
d	4.5 kg CO2	no	\$ 200.00
e	4.5 kg CO2	no	\$ 200.00
f	4.5 kg CO2 - dry chemical	no	\$ 83.00
g	9 kg CO2 - dry chemical	no	\$ 103.50
<b>11.10</b>	<b>Fire extinguisher (steel type)</b>	no	\$ 155.50
<b>12</b>	<b>FIRE HYDRANT SYSTEM</b>		
<b>12.1</b>	<b>Fire Hydrant Pumps and accessories</b>		
a	Electric Powered, Split case type, 190 l/s @ 8m head	no	\$ 59,300.00
b	Diesel Powered, Split case type, Variable Speed Pressure Limiting Control, 190 l/s @ 8m head	no	\$ 213,180.00
c	Jockey Pumps (0.17 l/s @ 127m head)	no	\$ 9,890.00
d	Feed Pumps (38 l/s @ 50m head)	no	\$ 20,250.00
e	Inertia Block	no	\$ 11,000.00
f	2 Litres Pressure Vessel	no	\$ 780.00
MCC	Fire Hydrant Pump - Electric Powered, Split case type, 158 l/s @ 127m head	no	
MCC	Jockey Pump - 1.82 l/s @ 181m head		
<b>12.2</b>	<b>Ductile iron cement lined pipes installed complete with fittings:</b>		

12.2.1	100mm dia	m	\$ 465.00
12.2.2	150mm dia	m	\$ 602.50
12.2.3	200mm dia	m	\$ 724.50
12.2.4	250mm dia	m	\$ 885.00
12.2.5	300mm dia	m	\$ 1,125.00
12.2.6	350mm dia	m	\$ 1,351.00
12.2.7	400mm dia	m	\$ 1,625.00
12.2.8	450mm dia	m	\$ 1,887.00
12.2.9	500mm dia	m	\$ 2,200.00
12.2.10	600mm dia	m	\$ 2,708.50
12.2.11	800mm dia	m	\$ 3,571.00
12.2.12	1000mm dia	m	\$ 4,542.50
12.3	<b>Pillar hydrant</b>		
12.3.1	Pillar Type Fire Hydrant with 2 Pressure reducing valve	no	\$ 4,000.00
12.3.2	Underground Twin Outlet Type Fire Hydrant in valve chamber	no	\$ 2,400.00
T4SOR	Underground Hydrant complete with sluice valves, valve chambers, duck foot bends and necessary accessories	no	
T4SOR	Underground Hydrant c/w DN200 complete with sluice valves, valve chambers, duck foot bends and necessary accessories	no	
T4SOR	Pillar Hydrant	no	
12.4	<b>Sluice valve/gate valves/stop valves (inclusive of supports and installation):</b>		
12.4.1	20mm dia.	no	\$ 400.00
12.4.2	25mm dia.	no	\$ 500.00
12.4.3	32mm dia.	no	\$ 700.00
12.4.4	40mm dia.	no	\$ 900.00
12.4.5	50mm dia.	no	\$ 1,100.00
12.4.6	65mm dia.	no	\$ 1,500.00
12.4.7	80mm dia.	no	\$ 2,000.00
12.4.8	100mm dia.	no	\$ 2,200.00
12.4.9	150mm dia.	no	\$ 2,500.00
12.4.10	200mm dia.	no	\$ 3,000.00
12.4.11	250mm dia.	no	\$ 3,200.00
12.4.12	300mm dia.	no	\$ 3,500.00
12.4.13	350mm dia.	no	\$ 4,000.00
12.4.14	400mm dia.	no	\$ 4,500.00
12.4.15	500mm dia.	no	\$ 5,000.00
12.4.16	600mm dia.	no	\$ 5,500.00
12.4.17	800mm dia.	no	\$ 6,500.00
12.4.18	1000mm dia.	no	\$ 7,000.00
12.5	<b>Air Relief valve (inclusive of supports and installation):</b>		
12.5.1	20mm dia.	no	\$ 41.00
12.5.2	25mm dia.	no	\$ 72.00
12.5.3	32mm dia.	no	\$ 44.00
12.5.4	40mm dia.	no	\$ 72.00
12.5.5	50mm dia.	no	\$ 72.00
12.5.6	65mm dia.	no	\$ 184.00
12.5.7	80mm dia.	no	\$ 197.00
12.5.8	100mm dia.	no	\$ 240.00
12.5.9	150mm dia.	no	\$ 246.00
12.5.10	200mm dia.	no	\$ 300.00
12.5.11	250mm dia.	no	\$ 353.00
12.5.12	300mm dia.	no	\$ 400.00

12.5.13	350mm dia.	no	\$ 440.00
12.5.14	400mm dia.	no	\$ 480.00
12.5.15	500mm dia.	no	\$ 550.00
12.5.16	600mm dia.	no	\$ 620.00
12.5.17	800mm dia.	no	\$ 750.00
12.5.18	1000mm dia.	no	\$ 900.00
<b>12.6</b>	<b>Washout assembly (inclusive of supports and installation):</b>		
12.6.1	20mm dia.	no	\$ 350.00
12.6.2	25mm dia.	no	\$ 400.00
12.6.3	32mm dia.	no	\$ 450.00
12.6.4	40mm dia.	no	\$ 500.00
12.6.5	50mm dia.	no	\$ 600.00
12.6.6	65mm dia.	no	\$ 800.00
12.6.7	80mm dia.	no	\$ 1,000.00
12.6.8	100mm dia.	no	\$ 1,500.00
12.6.9	150mm dia.	no	\$ 2,065.00
12.6.10	200mm dia.	no	\$ 2,635.00
12.6.11	250mm dia.	no	\$ 3,205.00
12.6.12	300mm dia.	no	\$ 4,600.00
12.6.13	350mm dia.	no	\$ 5,170.00
12.6.14	400mm dia.	no	\$ 5,465.00
12.6.15	500mm dia.	no	\$ 6,050.00
12.6.16	600mm dia.	no	\$ 7,185.00
12.6.17	800mm dia.	no	\$ 9,175.00
12.6.18	1000mm dia.	no	\$ 12,550.00
<b>12.7</b>	<b>Endcap for the Future Connection</b>		
12.7.1	20mm dia.	no	\$ 33.00
12.7.2	25mm dia.	no	\$ 33.00
12.7.3	32mm dia.	no	\$ 33.00
12.7.4	40mm dia.	no	\$ 80.00
12.7.5	50mm dia.	no	\$ 88.00
12.7.6	65mm dia.	no	\$ 120.00
12.7.7	80mm dia.	no	\$ 150.00
12.7.8	100mm dia.	no	\$ 180.00
12.7.9	150mm dia.	no	\$ 207.00
12.7.10	200mm dia.	no	\$ 288.50
12.7.11	250mm dia.	no	\$ 362.50
12.7.12	300mm dia.	no	\$ 435.00
12.7.13	350mm dia.	no	\$ 497.00
12.7.14	400mm dia.	no	\$ 569.50
12.7.15	500mm dia.	no	\$ 714.00
12.7.16	600mm dia.	no	\$ 869.50
12.7.17	800mm dia.	no	\$ 1,035.00
12.7.18	1000mm dia.	no	\$ 1,242.00
<b>12.8</b>	<b>Supply and installation of leak detection sensor complete with necessary accessories</b>		
12.8.1	100mm dia	no	\$ 850.00
12.8.2	200mm dia	no	\$ 950.00
12.8.3	300mm dia	no	\$ 1,076.00
12.8.4	400mm dia	no	\$ 1,200.00
12.8.5	500mm dia	no	\$ 1,338.00

12.8.6	600mm dia	no	\$ 1,476.00
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**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
1	<b>WATER TANK</b> <b>As per specification inclusive of support, insulation and other associated ancillary accessories</b>		
1.1	<b>FRP Water Tank Panel</b>		
a	1m (w) x 1m (ht); 1 tier	no	\$ 600.00
b	1m (w) x 1m (ht); 2 tier	no	\$ 800.00
c	1m (w) x 1m (ht); 3 tier	no	\$ 1,200.00
1.2	<b>Stainless Steel Water Tank Panel</b>		
a	1m (w) x 1m (ht); 1 tier	no	\$ 931.50
b	1m (w) x 1m (ht); 2 tier	no	\$ 1,500.00
c	1m (w) x 1m (ht); 3 tier	no	\$ 1,900.00
1.3	<b>Water Instruments and Fittings</b>		
1.3.1	Flow Switch	no	\$ 880.00
1.3.2	Limit Switch	no	\$ 1,100.00
1.3.3	Level Sensor	no	\$ 2,800.00
1.3.4	Pressure Gauge	no	\$ 750.00
1.3.5	Meter Gauge	no	\$ 2,800.00
1.3.6	Pressure Switch	no	\$ 1,000.00
2	<b>PIPE</b>		
2.1	<b>Underground Pipe</b> <b>Underground pipes inclusive of excavation, haunching, bedding, backfilling, bakau piling, re-instatement of ground surfaces etc</b>		
2.1.1	<b>Sanitary Drainage</b>		
2.1.1.1	<b>Ductile iron</b>		
a	ø80 mm	m	\$ 450.00
b	ø100 mm	m	\$ 480.00
c	ø150 mm	m	\$ 600.00
d	ø200 mm	m	\$ 700.00
e	ø225 mm	m	\$ 850.00

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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
f	ø250 mm	m	\$ 1,000.00
g	ø300 mm	m	\$ 1,200.00
h	ø350 mm	m	\$ 1,400.00
i	ø400 mm	m	\$ 1,750.00
j	ø450 mm	m	\$ 2,100.00
k	ø500 mm	m	\$ 2,400.00
<b>2.1.1.2 Ductile iron cement lined</b>			
a	ø80 mm	m	\$ 450.00
b	ø100 mm	m	\$ 480.00
c	ø150 mm	m	\$ 600.00
d	ø200 mm	m	\$ 700.00
e	ø225 mm	m	\$ 850.00
f	ø250 mm	m	\$ 1,000.00
g	ø300 mm	m	\$ 1,200.00
h	ø350 mm	m	\$ 1,400.00
i	ø400 mm	m	\$ 1,750.00
j	ø450 mm	m	\$ 2,100.00
k	ø500 mm	m	\$ 2,400.00
<b>2.1.1.3 Vitrified clay</b>			
a	ø225 mm	m	\$ 2,200.00
b	ø300 mm	m	\$ 2,600.00
b	ø350 mm	m	\$ 3,200.00
c	ø400 mm	m	\$ 3,600.00
d	ø450 mm	m	\$ 4,100.00
e	ø500 mm	m	\$ 4,700.00



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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>2.1.2</b>	<b>Water Supply</b>		
<b>2.1.2.1</b>	<b>Ductile iron cement lined</b>		
a	ø80 mm	m	\$ 420.00
b	ø100 mm	m	\$ 450.00
c	ø150 mm	m	\$ 600.00
d	ø200 mm	m	\$ 700.00
e	ø225 mm	m	\$ 800.00
f	ø250 mm	m	\$ 950.00
g	ø300 mm	m	\$ 1,050.00
h	ø350 mm	m	\$ 1,800.00
i	ø400 mm	m	\$ 3,500.00
j	ø450 mm	m	\$ 4,100.00
k	ø500 mm	m	\$ 4,900.00
<b>2.1.2.2</b>	<b>Copper - Heavy Gauge (Type Y)</b>		
a	ø15 mm	m	\$ 70.00
b	ø22 mm	m	\$ 80.00
c	ø28 mm	m	\$ 110.00
d	ø32 mm	m	\$ 150.00
e	ø42 mm	m	\$ 180.00
f	ø50 mm	m	\$ 220.00
g	ø65 mm	m	\$ 280.00
h	ø80 mm	m	\$ 288.00
i	ø100 mm	m	\$ 322.00
j	ø150 mm	m	\$ 403.00
k	ø200 mm	m	\$ 460.00
l	ø250 mm	m	\$ 575.00
m	ø300 mm	m	\$ 588.00
n	ø350 mm	m	\$ 674.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
o	ø400 mm	m	\$ 974.00
p	ø450 mm	m	\$ 1,160.00
q	ø500 mm	m	\$ 1,575.00
<b>2.1.3</b>	<b>Town Gas Supply</b>		
2.1.3.1	Ductile iron		
a	ø80 mm	m	\$ 364.00
b	ø100 mm	m	\$ 383.50
c	ø150 mm	m	\$ 417.50
d	ø200 mm	m	\$ 514.50
e	ø250 mm	m	\$ 621.50
2.1.3.2	Poly-ethylene		
a	ø90 mm	m	\$ 504.00
b	ø125 mm	m	\$ 810.00
c	ø200 mm	m	\$ 1,080.00
d	ø250 mm	m	\$ 1,368.00
f	ø315 mm	m	\$ 2,070.00
<b>2.2</b>	<b>Aboveground Pipe Pipes inclusive of necessary fittings, brackets, bends, elbows, hangers, supports, wall chasing, painting etc</b>		
<b>2.2.1</b>	<b>Sanitary Drainage</b>		
<b>2.2.1.1</b>	<b>Hubless cast iron</b>		
a	ø50 mm	m	\$ 120.00
b	ø80 mm	m	\$ 180.00
c	ø100 mm	m	\$ 220.00
d	ø150 mm	m	\$ 280.00

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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
e	ø200mm	m	\$ 320.00
f	ø250 mm	m	\$ 380.00
g	ø300 mm	m	\$ 450.00
h	ø350 mm	m	\$ 600.00
i	ø400 mm	m	\$ 800.00
j	ø450 mm	m	\$ 963.00
k	ø500 mm	m	\$ 1,230.00
<b>2.2.1.2 uPVC SS213</b>			
a	ø50 mm	m	\$ 75.00
b	ø80 mm	m	\$ 100.00
c	ø100 mm	m	\$ 140.00
d	ø150 mm	m	\$ 180.00
e	ø200mm	m	\$ 220.00
f	ø250 mm	m	\$ 280.00
g	ø300 mm	m	\$ 400.00
h	ø350 mm	m	\$ 520.00
i	ø400 mm	m	\$ 680.00
j	ø450 mm	m	\$ 750.00
k	ø500 mm	m	\$ 900.00
<b>2.2.1.3 Ductile iron cement lined</b>			
a	ø80 mm	m	\$ 420.00
b	ø100 mm	m	\$ 450.00
c	ø150 mm	m	\$ 570.00
d	ø200 mm	m	\$ 680.00
e	ø250 mm	m	\$ 900.00
f	ø300 mm	m	\$ 1,000.00

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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
g	ø350 mm	m	\$ 1,750.00
h	ø400 mm	m	\$ 3,450.00
i	ø450 mm	m	\$ 4,050.00
j	ø500 mm	m	\$ 4,850.00
<b>2.2.2 Water Supply</b>			
<b>2.2.2.1 Copper - light gauge (type X)</b>			
a	ø15 mm	m	\$ 65.00
b	ø22mm	m	\$ 75.00
c	ø28 mm	m	\$ 85.00
d	ø40 mm	m	\$ 130.00
e	ø50 mm	m	\$ 180.00
f	ø65 mm	m	\$ 230.00
g	ø75 mm	m	\$ 250.00
h	ø80 mm	m	\$ 280.00
i	ø100 mm	m	\$ 253.00
j	ø150 mm	m	\$ 322.00
k	ø200mm	m	\$ 368.00
l	ø250 mm	m	\$ 414.00
m	ø300 mm	m	\$ 460.00
n	ø350 mm	m	\$ 709.00
o	ø400 mm	m	\$ 1,083.50
p	ø450 mm	m	\$ 1,249.00
q	ø500 mm	m	\$ 1,602.50
<b>2.2.2.2 Poly-propylene random (PPR) - PN 10</b>			
a	ø20 mm	m	\$ 40.00
b	ø25 mm	m	\$ 50.00
c	ø32 mm	m	\$ 60.00
d	ø40 mm	m	\$ 80.00

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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
e	ø50 mm	m	\$ 90.00
f	ø63 mm	m	\$ 125.00
g	ø90 mm	m	\$ 185.00
h	ø110 mm	m	\$ 250.00
i	ø125 mm	m	\$ 320.00
<b>2.2.2.3</b>	<b>Poly-propylene random (PPR) - PN 20</b>		
a	ø16 mm	m	\$ 40.00
b	ø20 mm	m	\$ 45.00
c	ø25 mm	m	\$ 50.00
d	ø32 mm	m	\$ 55.00
e	ø40 mm	m	\$ 75.00
f	ø50 mm	m	\$ 110.00
g	ø63 mm	m	\$ 125.00
h	ø75 mm	m	\$ 165.00
i	ø90 mm	m	\$ 185.00
j	ø110 mm	m	\$ 250.00
k	ø125 mm	m	\$ 320.00
<b>2.2.3</b>	<b>Town Gas Supply</b>		
<b>2.2.3.1</b>	<b>Galvanised steel</b>		
a	ø32 mm	m	\$ 136.00
b	ø40 mm	m	\$ 156.00
c	ø50 mm	m	\$ 270.00
d	ø75 mm	m	\$ 199.00
e	ø80 mm	m	\$ 414.00
f	ø100 mm	m	\$ 684.00
g	ø150 mm	m	\$ 1,008.00
h	ø200 mm	m	\$ 656.50
<b>2.2.3.2</b>	<b>API 40</b>		
a	ø32 mm	m	\$ 216.00
b	ø40 mm	m	\$ 324.00

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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
c	ø50 mm	m	\$ 360.00
d	ø75 mm	m	\$ 334.50
e	ø80 mm	m	\$ 540.00
f	ø100 mm	m	\$ 864.00
g	ø150 mm	m	\$ 1,080.00
h	ø200 mm	m	\$ 1,260.00
<b>2.2.3.3</b>	<b>Copper - heavy gauge (type Y)</b>		
a	ø15 mm	m	\$ 82.00
b	ø22 mm	m	\$ 95.00
c	ø28 mm	m	\$ 105.00
d	ø32 mm	m	\$ 128.00
e	ø42 mm	m	\$ 158.50
f	ø50 mm	m	\$ 181.00
g	ø65 mm	m	\$ 198.00
h	ø80 mm	m	\$ 226.50
i	ø100 mm	m	\$ 276.00
<b>2.2.4</b>	<b>Enclosure to Gas Pipe</b>		
2.2.4.1	Air tight metal duct	m2	\$ 97.00
2.2.4.2	Fire rated material	m2	\$ 360.00
<b>3</b>	<b>VALVES AND FITTINGS</b>		
<b>3.1</b>	<b>Valve</b>		
<b>3.1</b>	<b>Valves inclusive all necessary joints / supports</b>		
<b>3.1.1</b>	<b>Gate Valve</b>		
a	ø15 mm	no	\$ 85.00
b	ø20 mm	no	\$ 110.00
c	ø25 mm	no	\$ 140.00
d	ø32 mm	no	\$ 190.00
e	ø40 mm	no	\$ 280.00
f	ø50 mm	no	\$ 400.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
g	ø75 mm	no	\$ 650.00
h	ø80 mm	no	\$ 900.00
i	ø100 mm	no	\$ 1,000.00
j	ø150 mm	no	\$ 1,200.00
k	ø200 mm	no	\$ 1,400.00
<b>3.1.2</b>	<b>Globe Valve</b>		
a	ø15 mm	no	\$ 75.00
b	ø20 mm	no	\$ 90.00
c	ø25 mm	no	\$ 130.00
d	ø32 mm	no	\$ 180.00
e	ø40 mm	no	\$ 250.00
f	ø50 mm	no	\$ 350.00
g	ø75 mm	no	\$ 600.00
h	ø80 mm	no	\$ 850.00
i	ø100 mm	no	\$ 950.00
j	ø150 mm	no	\$ 1,150.00
k	ø200 mm	no	\$ 1,300.00
<b>3.1.3</b>	<b>Check Valve / Non-Return Valve</b>		
a	ø15 mm	no	\$ 80.00
b	ø20 mm	no	\$ 100.00
c	ø25 mm	no	\$ 130.00
d	ø32 mm	no	\$ 180.00
e	ø40 mm	no	\$ 260.00
f	ø50 mm	no	\$ 380.00
g	ø75 mm	no	\$ 620.00
h	ø80 mm	no	\$ 850.00
i	ø100 mm	no	\$ 980.00
j	ø150 mm	no	\$ 1,100.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
k	ø200 mm	no	\$ 1,300.00
<b>3.1.4</b>	<b>Flexible Connector</b>		
a	ø15 mm	no	\$ 1,250.00
b	ø20 mm	no	\$ 1,450.00
c	ø25 mm	no	\$ 1,600.00
d	ø32 mm	no	\$ 1,650.00
e	ø40 mm	no	\$ 1,750.00
f	ø50 mm	no	\$ 1,800.00
<b>3.1.5</b>	<b>Balancing Valve</b>		
a	ø100 mm	no	\$ 2,600.00
b	ø150 mm	no	\$ 3,300.00
c	ø200 mm	no	\$ 4,500.00
<b>3.1.6</b>	<b>Butterfly Valve</b>		
a	ø80 mm	no	\$ 900.00
b	ø100 mm	no	\$ 1,150.00
c	ø150 mm	no	\$ 1,400.00
d	ø200 mm	no	\$ 1,600.00
<b>3.1.7</b>	<b>Y-Strainer</b>		
a	ø50 mm	no	\$ 330.00
b	ø100 mm	no	\$ 780.00
c	ø150 mm	no	\$ 950.00
d	ø200 mm	no	\$ 1,150.00
<b>3.1.8</b>	<b>Constant Flow Regulator</b>	no	\$ 650.00
<b>3.1.9</b>	<b>Pilot Operated Float Valve</b>		
a	ø50 mm	no	\$ 1,800.00
b	ø80 mm	no	\$ 2,800.00
c	ø100 mm	no	\$ 3,800.00
d	ø150 mm	no	\$ 4,500.00



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>3.1.10</b>	<b>Solenoid Valve</b>		
a	ø15 mm	no	\$ 350.00
b	ø20 mm	no	\$ 500.00
c	ø25 mm	no	\$ 650.00
d	ø32 mm	no	\$ 800.00
e	ø40 mm	no	\$ 950.00
f	ø50 mm	no	\$ 1,300.00
g	ø65 mm	no	\$ 1,800.00
<b>3.1.11</b>	<b>Ball Valve</b>		
a	ø15 mm	no	\$ 50.00
<b>3.1.12</b>	<b>Ball Float Valve</b>		
a	ø50 mm	no	\$ 2,200.00
b	ø80 mm	no	\$ 2,800.00
c	ø100 mm	no	\$ 3,800.00
d	ø150 mm	no	\$ 4,500.00
<b>3.1.13</b>	<b>Pressure Reducing Valve</b>		
a	ø50 mm	no	\$ 1,650.00
b	ø80 mm	no	\$ 3,800.00
c	ø100 mm	no	\$ 4,500.00
d	ø150 mm	no	\$ 6,300.00
e	ø200 mm	no	\$ 8,000.00
<b>3.1.14</b>	<b>Stop Cock Valve</b>		
a	ø15 mm	no	\$ 60.00
b	ø25 mm	no	\$ 90.00
<b>3.1.15</b>	<b>Rubber Expansion Joint</b>		
a	ø50 mm	no	\$ 600.00
b	ø100 mm	no	\$ 900.00
c	ø150 mm	no	\$ 1,200.00
d	ø200 mm	no	\$ 1,850.00
<b>3.1.16</b>	<b>Stainless Steel Expansion Joint</b>		

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
a	ø50 mm	no	\$ 850.00
b	ø65 mm	no	\$ 1,100.00
c	ø80 mm	no	\$ 1,300.00
d	ø100 mm	no	\$ 1,500.00
e	ø150 mm	no	\$ 2,200.00
f	ø200 mm	no	\$ 2,900.00
<b>3.1.17</b>	<b>Mechanical Coupling Expansion Joint</b>		
a	ø200 mm	no	\$ 7,000.00
b	ø250 mm	no	\$ 9,500.00
c	ø300 mm	no	\$ 14,500.00
d	ø350 mm	no	\$ 19,000.00
e	ø400 mm	no	\$ 21,000.00
f	ø450 mm	no	\$ 22,500.00
g	ø500 mm	no	\$ 24,000.00
h	ø550 mm	no	\$ 29,000.00
i	ø600 mm	no	\$ 35,000.00
<b>3.1.18</b>	<b>Reducer (Spigot and socket)</b>		
	100mm x 150mm	no	\$ 900.00
	100mm x 200mm	no	\$ 1,100.00
	100mm x 250mm	no	\$ 1,300.00
	100mm x 300mm	no	\$ 1,500.00
	100mm x 350mm	no	\$ 2,400.00
	100mm x 400mm	no	\$ 3,500.00
	100mm x 500mm	no	\$ 4,200.00
	200mm x 250mm	no	\$ 1,400.00
	200mm x 300mm	no	\$ 1,700.00
	200mm x 350mm	no	\$ 2,600.00
	200mm x 400mm	no	\$ 3,700.00
	200mm x 500mm	no	\$ 4,300.00
	300mm x 350mm	no	\$ 2,897.50

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
3.1.19	300mm x 400mm	no	\$ 4,087.50
	300mm x 500mm	no	\$ 4,500.00
	400mm x 450mm	no	\$ 3,850.00
	400mm x 500mm	no	\$ 4,600.00
	<b>Tee (Flanged)</b>		
	100mm x 100mm x 100mm	no	\$ 850.00
	100mm x 100mm x 150mm	no	\$ 1,100.00
	100mm x 100mm x 200mm	no	\$ 1,345.50
	100mm x 100mm x 250mm	no	\$ 1,604.00
	100mm x 100mm x 300mm	no	\$ 1,863.00
	100mm x 100mm x 350mm	no	\$ 2,690.50
	100mm x 100mm x 400mm	no	\$ 3,700.00
	100mm x 100mm x 500mm	no	\$ 4,656.50
	200mm x 200mm x 100mm	no	\$ 983.50
	200mm x 200mm x 150mm	no	\$ 1,242.00
	200mm x 200mm x 200mm	no	\$ 1,449.00
	200mm x 200mm x 250mm	no	\$ 1,650.00
	200mm x 200mm x 300mm	no	\$ 1,900.00
	200mm x 200mm x 350mm	no	\$ 2,794.00
	200mm x 200mm x 400mm	no	\$ 3,932.50
	200mm x 200mm x 500mm	no	\$ 4,760.00
	300mm x 300mm x 100mm	no	\$ 1,086.50
	300mm x 300mm x 150mm	no	\$ 1,300.00
	300mm x 300mm x 200mm	no	\$ 1,552.50
	300mm x 300mm x 250mm	no	\$ 1,811.00
	300mm x 300mm x 300mm	no	\$ 2,069.50
	300mm x 300mm x 350mm	no	\$ 2,897.50
	300mm x 300mm x 400mm	no	\$ 3,900.00
	300mm x 300mm x 500mm	no	\$ 4,700.00
	400mm x 400mm x 100mm	no	\$ 3,208.00
	400mm x 400mm x 150mm	no	\$ 3,363.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
	400mm x 400mm x 200mm	no	\$ 3,622.00
	400mm x 400mm x 250mm	no	\$ 3,932.50
	400mm x 400mm x 300mm	no	\$ 4,100.00
	400mm x 400mm x 400mm	no	\$ 4,398.00
	400mm x 400mm x 450mm	no	\$ 4,656.50
	400mm x 400mm x 500mm	no	\$ 4,967.00
	500mm x 500mm x 100mm	no	\$ 3,311.50
	500mm x 500mm x 150mm	no	\$ 3,350.00
	500mm x 500mm x 200mm	no	\$ 3,600.00
	500mm x 500mm x 250mm	no	\$ 3,900.00
	500mm x 500mm x 300mm	no	\$ 4,200.00
	500mm x 500mm x 400mm	no	\$ 4,350.00
	500mm x 500mm x 450mm	no	\$ 4,600.00
	500mm x 500mm x 500mm	no	\$ 4,900.00
<b>3.1.20</b>	<b>11.25 Bend (including thrust block)</b>		
	ø50 mm	no	\$ 828.00
	ø65 mm	no	\$ 983.50
	ø80 mm	no	\$ 1,552.50
	ø100 mm	no	\$ 1,500.50
	ø150 mm	no	\$ 1,600.00
	ø200 mm	no	\$ 1,863.00
	ø250 mm	no	\$ 2,069.50
	ø300 mm	no	\$ 2,276.50
	ø350 mm	no	\$ 2,691.00
	ø400 mm	no	\$ 4,242.50
	ø500 mm	no	\$ 5,424.00
<b>3.1.21</b>	<b>22.5 Bend (including thrust block)</b>		
	ø50 mm	no	\$ 800.00
	ø65 mm	no	\$ 950.00
	ø80 mm	no	\$ 1,500.00
	ø100 mm	no	\$ 1,450.00
	ø150 mm	no	\$ 1,600.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
	ø200 mm	no	\$ 1,800.00
	ø250 mm	no	\$ 2,000.00
	ø300 mm	no	\$ 2,200.00
	ø350 mm	no	\$ 2,691.00
	ø400 mm	no	\$ 4,100.00
	ø500 mm	no	\$ 5,174.00
<b>3.1.22</b>	<b>22.5 Bend (including thrust block and Bakau Piles)</b>		
	ø50 mm	no	\$ 800.00
	ø65 mm	no	\$ 950.00
	ø80 mm	no	\$ 1,500.00
	ø100 mm	no	\$ 1,450.00
	ø150 mm	no	\$ 1,600.00
	ø200 mm	no	\$ 6,890.00
	ø250 mm	no	\$ 2,000.00
	ø300 mm	no	\$ 2,200.00
	ø350 mm	no	\$ 2,674.00
	ø400 mm	no	\$ 4,100.00
	ø500 mm	no	\$ 5,174.00
<b>3.1.23</b>	<b>45 Bend (Flanged)</b>		
	ø50 mm	no	\$ 800.00
	ø65 mm	no	\$ 950.00
	ø80 mm	no	\$ 1,500.00
	ø100 mm	no	\$ 1,450.00
	ø150 mm	no	\$ 1,600.00
	ø200 mm	no	\$ 1,800.00
	ø250 mm	no	\$ 2,000.00
	ø300 mm	no	\$ 2,200.00
	ø350 mm	no	\$ 2,500.00
	ø400 mm	no	\$ 4,100.00
	ø500 mm	no	\$ 5,000.00
<b>3.1.24</b>	<b>90 Bend (Flanged)</b>		
	ø50 mm	no	\$ 800.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
	ø65 mm	no	\$ 950.00
	ø80 mm	no	\$ 1,500.00
	ø100 mm	no	\$ 1,450.00
	ø150 mm	no	\$ 1,600.00
	ø200 mm	no	\$ 1,800.00
	ø250 mm	no	\$ 2,000.00
	ø300 mm	no	\$ 2,200.00
	ø350 mm	no	\$ 2,500.00
	ø400 mm	no	\$ 4,100.00
	ø500 mm	no	\$ 5,000.00
<b>3.1.25</b>	<b>Blank Flange (including thrust block)</b>		
	ø50 mm	no	\$ 700.00
	ø65 mm	no	\$ 850.00
	ø80 mm	no	\$ 1,050.00
	ø100 mm	no	\$ 1,138.50
	ø150 mm	no	\$ 1,250.00
	ø200 mm	no	\$ 1,350.00
	ø250 mm	no	\$ 1,605.00
	ø300 mm	no	\$ 1,926.00
	ø350 mm	no	\$ 2,100.00
	ø400 mm	no	\$ 3,423.00
	ø500 mm	no	\$ 4,385.00
<b>3.1.26</b>	<b>Dismantling Joints</b>		
	ø50 mm	no	\$ 800.00
	ø65 mm	no	\$ 950.00
	ø80 mm	no	\$ 1,500.00
	ø100 mm	no	\$ 1,450.00
	ø150 mm	no	\$ 1,600.00
	ø200 mm	no	\$ 1,800.00
	ø250 mm	no	\$ 2,000.00
	ø300 mm	no	\$ 2,200.00
	ø350 mm	no	\$ 2,500.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
	ø400 mm	no	\$ 4,100.00
	ø500 mm	no	\$ 5,000.00
<b>3.1.27</b>	<b>Electromagnetic Flow meter</b>		
	ø100 mm	no	\$ 6,000.00
	ø150 mm	no	\$ 7,500.00
	ø200 mm	no	\$ 12,500.00
	ø250 mm	no	\$ 18,000.00
	ø300 mm	no	\$ 21,000.00
	ø350 mm	no	\$ 27,500.00
	ø400 mm	no	\$ 32,500.00
	ø500 mm	no	\$ 40,000.00
<b>3.1.28</b>	<b>Air Relief Valve</b>		
	ø50 mm	no	\$ 1,800.00
	ø65 mm	no	\$ 2,100.00
	ø80 mm	no	\$ 3,000.00
	ø100 mm	no	\$ 4,500.00
	ø150 mm	no	\$ 5,800.00
	ø200 mm	no	\$ 6,000.00
	ø250 mm	no	\$ 6,250.00
	ø300 mm	no	\$ 6,500.00
	ø350 mm	no	\$ 11,000.00
	ø400 mm	no	\$ 14,500.00
	ø500 mm	no	\$ 18,000.00
<b>3.1.29</b>	<b>Double Acting Air Relief Valve</b>		
	ø50 mm	no	\$ 2,300.00
	ø65 mm	no	\$ 2,600.00
	ø80 mm	no	\$ 3,500.00
	ø100 mm	no	\$ 5,000.00
	ø150 mm	no	\$ 6,300.00
	ø200 mm	no	\$ 6,500.00
	ø250 mm	no	\$ 6,750.00
	ø300 mm	no	\$ 7,000.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
	ø350 mm	no	\$ 11,500.00
	ø400 mm	no	\$ 15,000.00
	ø500 mm	no	\$ 18,500.00
<b>3.1.30</b>	<b>Washout Valve</b>		
	ø50 mm	no	\$ 9,500.00
	ø65 mm	no	\$ 11,500.00
	ø80 mm	no	\$ 13,000.00
	ø100 mm	no	\$ 13,500.00
	ø150 mm	no	\$ 15,000.00
	ø200 mm	no	\$ 16,500.00
	ø250 mm	no	\$ 17,500.00
	ø300 mm	no	\$ 18,000.00
	ø350 mm	no	\$ 21,000.00
	ø400 mm	no	\$ 24,500.00
	ø500 mm	no	\$ 27,000.00
<b>3.1.31</b>	<b>Sluice Valve</b>		
	ø50 mm	no	\$ 2,500.00
	ø65 mm	no	\$ 2,800.00
	ø80 mm	no	\$ 4,100.00
	ø100 mm	no	\$ 4,250.00
	ø150 mm	no	\$ 4,500.00
	ø200 mm	no	\$ 4,800.00
	ø250 mm	no	\$ 5,200.00
	ø300 mm	no	\$ 5,500.00
	ø350 mm	no	\$ 6,800.00
	ø400 mm	no	\$ 8,000.00
	ø500 mm	no	\$ 8,500.00
<b>3.1.18</b>	<b>Gas Detector System</b>		
3.1.18.1	Gas detector control panel	no	\$ 3,600.00
3.1.18.2	Gas detector complete with 30m wiring, cable support system and necessary accessories	no	\$ 5,400.00



**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>3.1.19</b>	<b>Private Water Meter</b>		
a	ø25 mm	no	\$ 800.00
b	ø32 mm	no	\$ 950.00
c	ø40 mm	no	\$ 1,200.00
d	ø50 mm	no	\$ 1,500.00
e	ø75 mm	no	\$ 1,800.00
f	ø80 mm	no	\$ 2,200.00
g	ø100 mm	no	\$ 2,500.00
h	ø150 mm	no	\$ 3,500.00
i	ø200 mm	no	\$ 4,500.00
j	ø250 mm	no	\$ 6,500.00
k	ø300 mm	no	\$ 9,000.00
4	<b>INSPECTION CHAMBER</b> Inspection chamber inclusive frame & cover, concrete benching, channels, excavation, backfilling with sand, good earth, bakau piling, and cover with the original finish of surface disturbed etc.		
4.1	<b>Reinforced Concrete Inspection Chamber</b>		
4.1.1	<b>Heavy Duty</b>		
a	≤ 2.5m	no	\$ 9,500.00
b	> 2.5m to ≤ 4.5m	no	\$ 12,000.00
c	> 4.5m to ≤ 6m	no	\$ 16,043.00
d	> 6m	no	\$ 40,641.00
4.1.2	<b>Light Duty</b>		
a	≤ 3m	no	\$ 12,500.00
b	> 3m to ≤ 4.5m	no	\$ 10,000.00
c	> 4.5m to ≤ 6m	no	\$ 16,043.00
d	> 6m	no	\$ 37,433.00
4.2	<b>Precast Inspection Chamber</b>		
4.2.1	<b>Heavy Duty</b>		

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
a	≤ 2.5m	no	\$ 7,500.00
b	> 2.5m to ≤ 4.5m	no	\$ 10,000.00
c	> 4.5m to ≤ 6m	no	\$ 16,043.00
d	> 6m	no	\$ 37,433.00
<b>4.2.2</b>	<b>Light Duty</b>		
a	≤ 3m	no	\$ 12,500.00
b	> 3m to ≤ 4.5m	no	\$ 10,000.00
c	> 4.5m to ≤ 6m	no	\$ 15,000.00
d	> 6m	no	\$ 35,000.00
<b>4.3</b>	<b>Poly-Propylene Inspection Chamber</b>		
<b>4.3.1</b>	<b>Heavy Duty</b>		
a	≤ 2.5m	no	\$ 5,900.00
b	> 2.5m to ≤ 4.5m	no	\$ 10,000.00
c	> 4.5m to ≤ 6m	no	\$ 15,000.00
d	> 6m	no	\$ 37,433.00
<b>4.3.2</b>	<b>Light Duty</b>		
a	≤ 3m	no	\$ 6,800.00
b	> 3m to ≤ 4.5m	no	\$ 10,000.00
c	> 4.5m to ≤ 6m	no	\$ 15,000.00
d	> 6m	no	\$ 37,433.00
<b>4.4</b>	<b>Inspection Chamber, Manhole Frame &amp; Cover</b>		
i	Heavy duty cast iron double seal flat type cover with frame inclusive bedding & painting	no	\$ 931.50
ii	Heavy duty recessed cover with frame inclusive bedding of size 600 x 450 mm (tiling by others)	no	\$ 1,400.00
iii	Light duty cast iron cover with frame inclusive bedding and painting	no	\$ 700.00
<b>5</b>	<b>WASTE SUMP</b>		
a	≤ 1.0m	no	\$ 3,800.00
b	> 1.0m to ≤ 1.5m	no	\$ 4,500.00

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**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
c	> 1.5m to ≤ 2.0m	no	\$ 6,000.00
d	> 2.0m to ≤ 2.5m	no	\$ 8,500.00
<b>6</b>	<b>GREASE TRAP</b> Grease trap inclusive frame and cover, screen chamber, channels, excavation, backfilling with sand, good earth and cover with the original finish of surface disturbed etc		
<b>6.1</b>	<b>Ø1.0 m</b>		
a	≤ 1.5m	no	\$ 21,000.00
b	> 1.5m to ≤ 2.5m	no	\$ 27,000.00
c	> 2.5m	no	\$ 36,000.00
<b>6.2</b>	<b>Ø2.0 m</b>		
a	≤ 1.5m	no	\$ 42,500.00
b	> 1.5m to ≤ 2.5m	no	\$ 52,000.00
c	> 2.5m	no	\$ 60,000.00
<b>7</b>	<b>FLOOR TRAP, GULLY TRAP AND GRATING</b> Supply and installation inclusive associated accessories, final connection from roughed-in pipes		
<b>7.1</b>	<b>Grating</b>		
<b>7.1.1</b>	Upvc	no	\$ 450.00
<b>7.1.2</b>	Stainless steel	no	\$ 650.00
<b>7.1.3</b>	Chrome-plated	no	\$ 550.00
<b>7.1.4</b>	Cast iron	no	\$ 600.00
<b>7.2</b>	<b>Gully Trap Inclusive Grating and Strainer Bucket</b>		
<b>7.2.1</b>	Garage gully with cast iron cover	no	\$ 3,500.00
<b>7.2.2</b>	Cast iron gully trap with cast iron cover	no	\$ 1,035.00
<b>7.2.3</b>	Cast iron gully trap stainless steel cover	no	\$ 1,100.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
<b>7.3</b>	<b>Floor Waste / Floor Drain (Without Grating)</b>		
7.3.1	uPVC	no	\$ 380.00
7.3.2	Cast iron	no	\$ 480.00
7.3.3	Stainless steel	no	\$ 530.00
<b>7.4</b>	<b>Floor Trap (Without Grating)</b>		
7.4.1	uPVC	no	\$ 380.00
7.4.2	Cast iron	no	\$ 480.00
<b>7.5</b>	<b>Urinal Trap (Without Grating)</b>		
	<b>Urinal trap inclusive of air tight and stainless steel cover</b>		
7.5.1	uPVC	no	\$ 380.00
7.5.2	Cast iron	no	\$ 480.00
<b>8</b>	<b>INSTALLATION OF SANITARY WARES AND FITTINGS</b>		
	<b>Installation of sanitary wares and fittings inclusive associated accessories</b>		
<b>8.1</b>	Wall mounted pedestal water closet	no	\$ 250.00
<b>8.2</b>	Water closet sensor flush valve	no	\$ 450.00
<b>8.3</b>	Self closing delay action taps	no	\$ 80.00
<b>8.4</b>	Basin complete with standard accessories and stainless steel bottle trap (to integrate with vanity counter)	no	\$ 600.00
<b>8.5</b>	Wall hung urinal	no	\$ 600.00
<b>8.6</b>	Urinal sensor flush	no	\$ 400.00
<b>8.7</b>	Bib tap	no	\$ 80.00
<b>8.8</b>	Bib tap with spray hose	no	\$ 100.00
<b>8.9</b>	Pillar sink tap with long lever handle	no	\$ 300.00
<b>8.10</b>	Stainless steel sink	no	\$ 300.00
<b>8.11</b>	Sink tap	no	\$ 100.00
<b>8.12</b>	<b>Please specify:</b>		

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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
8.12.1		no	
8.12.2		no	
8.12.3		no	
9	<b>BAKAU PILING</b> Bakau piling (80mm diameter) including BS mesh, concrete and sand base and associated accessories		
a	2m deep	no	\$ 60.00
b	3m deep	no	\$ 82.00
c	4m deep	no	\$ 120.00
d	5m deep	no	\$ 150.00
e	6m deep	no	\$ 180.00
10	<b>STAINLESS STEEL TRAY FOR SOIL AND WASTE PIPE</b>		
a	0.3m width	m	\$ 482.00
b	0.6m width	m	\$ 900.00
c	1.0m width	m	\$ 1,200.00
11	<b>SEWER SERVICES</b>		
11.1	<b>Supply &amp; installation of HDPE Pipe installed complete with fittings:</b>		
11.1.1	100mm dia	m	\$ 900.00
11.1.2	150mm dia	m	\$ 925.00
11.1.3	200mm dia	m	\$ 1,000.00
11.1.4	250mm dia	m	\$ 1,100.00
11.1.5	300mm dia	m	\$ 1,100.00
	315mm dia		
11.1.6	350mm dia	m	\$ 1,250.00
11.1.7	400mm dia	m	\$ 1,425.00
11.1.8	450mm dia	m	\$ 1,875.00
11.1.9	500mm dia	m	\$ 2,200.00
11.1.10	600mm dia	m	\$ 2,420.00
11.1.11	800mm dia	m	\$ 2,640.00

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**13.2.1.6 SCHEDULE OF RATES - MEP (PLUMBING AND SANITARY SYSTEM)**

ITEM	DESCRIPTION	UNIT	MEDIAN SOR RATE
11.1.12	1000mm dia	m	\$ 3,080.00
11.1.13	1200mm dia		\$ 3,520.00
<b>11.2</b>	<b>25mm thick 1.2m diameter steel pipe sleeves with HDPE lining</b>		
11.2.1	100mm dia	m	\$ 1,900.00
11.2.2	150mm dia	m	\$ 1,900.00
11.2.3	200mm dia	m	\$ 1,900.00
11.2.4	250mm dia	m	\$ 1,900.00
11.2.5	300mm dia	m	\$ 1,900.00
11.2.6	350mm dia	m	\$ 2,520.00
11.2.7	400mm dia	m	\$ 2,660.00
11.2.8	450mm dia	m	\$ 2,800.00
11.2.9	500mm dia	m	\$ 2,940.00
11.2.10	600mm dia	m	\$ 3,080.00
11.2.11	800mm dia	m	\$ 3,259.00
11.2.12	1000mm dia	m	\$ 3,635.00
11.2.13	1200mm dia	m	\$ 3,875.00
<b>11.3</b>	<b>Supply and installation of Pipe Jacking completed with necessary accessories etc.</b>		
11.3.1	100mm dia	m	\$ 2,420.00
11.3.2	150mm dia	m	\$ 2,420.00
11.3.3	200mm dia	m	\$ 2,530.00
11.3.4	250mm dia	m	\$ 2,530.00
11.3.5	300mm dia	m	\$ 2,640.00
11.3.6	350mm dia	m	\$ 2,640.00
11.3.7	400mm dia	m	\$ 2,700.00
11.3.8	450mm dia	m	\$ 2,750.00
11.3.9	500mm dia	m	\$ 2,860.00
11.3.10	600mm dia	m	\$ 3,080.00
11.3.11	800mm dia	m	\$ 3,400.00
11.3.12	1000mm dia	m	\$ 3,800.00
11.3.13	1200mm dia	m	\$ 4,200.00

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**REFERENCE NO.: CE/23/T5/P/518**

**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
<b>1</b>	<b>LIFT INSTALLATION</b>		
<b>1.1</b>	<b>Lift Car</b>		
<b>1.1.1</b>	<b>Lift Car Kick Plate / Skirting</b>		
1.1.1.1	Stainless steel (non-directional)	per lift	\$ 1,200.00
<b>1.1.2</b>	<b>Car Door</b>		
1.1.2.1	Stainless steel (non-directional)	per lift	\$ 700.00
1.1.2.2	Stainless steel hairline (directional)	per lift	\$ 300.00
1.1.2.3	Stainless steel mirror/polished	per lift	\$ 900.00
1.1.2.4	Stainless steel etched	per lift	\$ 1,100.00
1.1.2.5	Spray painted	per lift	\$ 300.00
1.1.2.6	Epoxy powder- coated	per lift	\$ 500.00
1.1.2.7	Laminated glass with frame	per lift	\$ 3,000.00
1.1.2.8	Laminated glass without frame	per lift	Design not available in the market
<b>1.1.3</b>	<b>Lift Car Front-Return Panel</b>		
1.1.3.1	Stainless steel (non-directional)	per lift	\$ 800.00
1.1.3.2	Stainless steel hairline (directional)	per lift	\$ 300.00
1.1.3.3	Stainless steel mirror/polished	per lift	\$ 1,200.00
1.1.3.4	Stainless steel etched	per lift	\$ 1,300.00
1.1.3.5	Spray painted	per lift	\$ 300.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
1.1.3.6	Epoxy powder- coated	per lift	\$ 600.00
<b>1.1.4</b>	<b>Lift Car Walls</b>		
1.1.4.1	Stainless steel (non-directional)	per lift	\$ 6,000.00
1.1.4.2	Stainless steel hairline (directional)	per lift	\$ 2,000.00
1.1.4.3	Stainless steel mirror/polished	per lift	\$ 7,500.00
1.1.4.4	Stainless steel etched	per lift	\$ 8,500.00
1.1.4.5	Spray painted	per lift	\$ 2,000.00
1.1.4.6	Epoxy powder- coated	per lift	\$ 4,500.00
1.1.4.7	Laminated glass with frame	per lift	\$ 22,300.00
1.1.4.8	Laminated glass without frame	per lift	Design not available in the market
<b>1.1.5</b>	<b>Handrail (3-sides)</b>		
1.1.5.1	Stainless steel (non-directional)	per lift	\$ 1,200.00
1.1.5.2	Stainless steel hairline (directional)	per lift	\$ 1,200.00
<b>1.1.6</b>	<b>Car Floor</b>		
1.1.6.1	Heavy duty vinyl tile	per lift	\$ 1,200.00
1.1.6.2	Checkered steel plate	per lift	\$ 2,200.00
			3mm thk
1.1.6.3	Checkered steel plate with enamel finishes	per lift	\$ 2,400.00
			3mm thk
1.1.6.4	Marble	per lift	\$ 1,100.00
			Install Only



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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
1.1.6.5	Granite	per lift	\$ 1,100.00
			Install Only
1.1.6.6	Ceramic Tile	per lift	\$ 1,100.00
			Install Only
1.1.6.7	Rubber studded tile	per lift	\$ 1,800.00
<b>1.1.7</b>	<b>Car Ceiling</b>		
1.1.7.1	Perforated metal (steel)	per lift	\$ 1,100.00
1.1.7.2	Painted sheet steel	per lift	\$ 800.00
1.1.7.3	Patterned acrylic plate with aluminium frame	per lift	\$ 1,500.00
1.1.7.4	Half-mirror acrylic plate with aluminium frame	per lift	\$ 1,700.00
1.1.7.5	Aluminium louver with aluminium frame	per lift	\$ 1,350.00
1.1.7.6	Silk screen finishes on transparent acrylic with aluminium frame	per lift	\$ 2,100.00
1.1.7.7	Stainless steel mirror	per lift	\$ 1,300.00
1.1.7.8	Stainless steel hairline	per lift	\$ 1,200.00
<b>1.1.8</b>	<b>Car Call Button</b>		
1.1.8.1	Micro-touch button	no	\$ 20.00
			from factory
1.1.8.2	Vandal-proof micro-touch button	no	NA
1.1.8.3	Stainless steel micro-touch button	no	\$ 20.00
			from factory
1.1.8.4	Tactile braille plate	no	\$ 20.00
1.1.8.5	By-pass / floor lock out key switch	no	\$ 300.00

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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
			per switch at lift sup panel
<b>1.1.9</b>	<b>Car Operating Panel Face Plate</b>		
1.1.9.1	Stainless steel (non-directional)	per lift	\$ 600.00
1.1.9.2	Stainless steel hairline (directional)	per lift	\$ 300.00
1.1.9.3	Stainless steel mirror/polished	per lift	\$ 700.00
1.1.9.4	Stainless steel etched	per lift	\$ 800.00
1.1.9.5	Spray painted	per lift	NA
1.1.9.6	Epoxy powder- coated	per lift	NA
<b>1.1.10</b>	<b>Car Operating Panel for Handicap (horizontal)</b>	no	\$ 1,800.00
<b>1.1.11</b>	<b>Car Operating Panel complete with car call button and face plate</b>	no	\$ 1,500.00
<b>1.1.12</b>	<b>Keypad Operating Panel</b>	no	from factory Design not available in the market
<b>1.1.13</b>	<b>Car Position Indicator and Travel Directional Arrow</b>	no	\$ 300.00
<b>1.1.14</b>	<b>Car Arrival Chime</b>	no	from factory \$ 50.00
<b>1.2</b>	<b>Lift Landing</b>		
<b>1.2.1</b>	<b>Landing Door</b>		
1.2.1.1	Stainless steel (non-directional)	per landing	\$ 700.00
1.2.1.2	Stainless steel hairline (directional)	per landing	\$ 300.00

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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
1.2.1.3	Stainless steel mirror/polished	per landing	\$ 900.00
1.2.1.4	Stainless steel etched	per landing	\$ 1,100.00
1.2.1.5	Spray painted	per landing	\$ 300.00
1.2.1.6	Epoxy powder- coated	per landing	\$ 500.00
1.2.1.7	Full height fire-rated laminated glass door with frame	per landing	\$ 5,700.00
1.2.1.8	Full height fire-rated laminated glass door without frame	per landing	Design not available in the market
1.2.1.9	Full height non fire-rated laminated glass door with frame	per landing	\$ 2,500.00
1.2.1.10	Full height non fire-rated laminated glass door with frame	per landing	\$ 2,500.00
<b>1.2.2</b>	<b>Landing Door Frame</b>		
<b>1.2.2.1</b>	<b>2' x 2' narrow jamb</b>		
i	Stainless steel (non-directional)	per landing	\$ 50.00
			from factory
ii	Stainless steel hairline (directional)	per landing	\$ 50.00
			from factory
iii	Stainless steel mirror/polished	per landing	\$ 200.00
iv	Stainless steel etched	per landing	\$ 300.00
v	Epoxy powder- coated	per landing	\$ 400.00
<b>1.2.2.2</b>	<b>Full wall jamb</b>		
i	Stainless steel (non-directional)	per landing	\$ 800.00
ii	Stainless steel hairline (directional)	per landing	\$ 700.00

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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
iii	Stainless steel mirror/polished	per landing	\$ 900.00
iv	Stainless steel etched	per landing	\$ 1,100.00
v	Spray painted	per landing	\$ 300.00
vi	Epoxy powder- coated	per landing	\$ 900.00
<b>1.2.3</b>	<b>Landing Transom Panel</b>		
1.2.3.1	Stainless steel (non-directional)	per landing	\$ 400.00
			up to 400mmH
1.2.3.2	Stainless steel hairline (directional)	per landing	\$ 400.00
			up to 400mmH
1.2.3.3	Stainless steel mirror/polished	per landing	\$ 500.00
			up to 400mmH
1.2.3.4	Stainless steel etched	per landing	\$ 600.00
			up to 400mmH
1.2.3.5	Spray painted	per landing	\$ 300.00
			up to 400mmH
1.2.3.6	Epoxy powder- coated	per landing	\$ 500.00
<b>1.2.4</b>	<b>Hall Call Button</b>		
1.2.4.1	Micro-touch button	per landing	\$ 20.00
			from factory
1.2.4.2	Vandal-proof micro-touch button	per landing	NA
1.2.4.3	Stainless steel micro-touch button	per landing	\$ 20.00
			from factory
1.2.4.4	Tactile braille plate	per landing	\$ 20.00

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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
<b>1.2.5</b>	<b>Hall Call Button Faceplate</b>		
1.2.5.1	Stainless steel (non-directional)	per landing	\$ 200.00
1.2.5.2	Stainless steel hairline (directional)	per landing	\$ 50.00
			from factory
1.2.5.3	Stainless steel mirror/polished	per landing	\$ 300.00
1.2.5.4	Stainless steel etched	per landing	\$ 400.00
1.2.5.5	Spray painted	per landing	\$ 100.00
1.2.5.6	Epoxy powder- coated	per landing	\$ 300.00
<b>1.2.6</b>	<b>Hall Call Button Faceplate</b>	per landing	\$ 50.00
			from factory
<b>1.2.7</b>	<b>Hall Position Indicator Face Plate</b>		
1.2.7.1	Stainless steel (non-directional)	per landing	\$ 300.00
1.2.7.2	Stainless steel hairline (directional)	per landing	\$ 50.00
			from factory
1.2.7.3	Stainless steel mirror/polished	per landing	\$ 400.00
1.2.7.4	Stainless steel etched	per landing	\$ 500.00
1.2.7.5	Spray painted	per landing	\$ 100.00
1.2.7.6	Epoxy powder- coated	per landing	\$ 300.00
<b>1.2.8</b>	<b>Illuminated Hall Lantern</b>	per landing	\$ 700.00
			from factory
<b>1.2.9</b>	<b>Illuminated Hall Lantern Face Plate</b>		

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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
1.2.9.1	Stainless steel (non-directional)	per landing	\$ 300.00
1.2.9.2	Stainless steel hairline (directional)	per landing	\$ 50.00
		from factory	
1.2.9.3	Stainless steel mirror/polished	per landing	\$ 400.00
1.2.9.4	Stainless steel etched	per landing	\$ 500.00
1.2.9.5	Spray painted	per landing	\$ 100.00
1.2.9.6	Epoxy powder- coated	per landing	\$ 200.00
1.2.10	Hall Landing Arrival Chime	per landing	\$ 150.00
	Cab		
1.3	Hoistway Equipment		
1.3.1	4 tonne travelling crane	no	NA
1.3.2	10 Tonne hoist	no	NA
1.3.3	Guard Rail (please specify)		
1.3.1.1	_____	m	Factory's standard
1.3.1.2	_____	m	
1.3.1.3	Stainless Steel Guardrail	m	
1.4	Automatic Rescue Device (ARD)	per lift	\$ 1,300.00

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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
<b>2</b>	<b>ELECTRICAL WORKS</b>		
<b>2.1</b>	<b>Cable Installation</b>		
<b>2.1.1</b>	<b>Communication travelling control cable include all necessary accessories as required for CCTV, Access Control Reader and PA</b>		
<b>2.1.1.1</b>	<b>Control cables</b>		<b>MATERIAL ONLY</b>
i	Intercom control cable - 5 pairs	m	\$ 8.00
ii	Intercom control cable - 10 pairs	m	\$ 13.00
iii	Intercom control cable - 25 pairs	m	\$ 24.00
iv	DC control cable - 10 core	m	\$ 13.00
v	DC control cable - 20 core	m	\$ 13.00
vi	DC control cable - 50 core	m	\$ 30.00
vii	DC control cable - 100 core	m	\$ 38.00
viii	Signal control cable - 2 pairs	m	\$ 6.00
ix	Signal control cable - 5 pairs	m	\$ 9.00
x	Signal control cable - 10 pairs	m	\$ 18.00
<b>2.1.1.2</b>	<b>Co-axial cable</b>		<b>MATERIAL ONLY</b>
i	RG 6	m	\$ 9.00
ii	RG 11	m	\$ 17.00
iii	RG 59	m	\$ 29.00
<b>2.1.1.3</b>	<b>Cat 6 (STP)</b>	m	\$ 55.00

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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
<b>2.1.2</b>	<b>Supply and installation of fireproof cables (SS299 CWZ rating) in trunkings, GI conduits, flexible conduits as required</b>		<b>MATERIAL ONLY</b>
i	1.5mm <sup>2</sup>	m	\$ 33.00
ii	2.5mm <sup>2</sup>	m	\$ 43.00
<b>2.2</b>	<b>Conduits</b>		
<b>2.2.1</b>	<b>G.I. conduits, surface mounted inclusive of conduit</b>		<b>MATERIAL ONLY</b>
i	20 mm dia	m	\$ 19.00
ii	25 mm dia	m	\$ 29.00
iii	32 mm dia	m	\$ 40.00
iv	38 mm dia	m	\$ 49.00
<b>2.2.2</b>	<b>Flexible conduits, PVC sheathed, inclusive of adaptors, couplar and other accessories</b>		<b>MATERIAL ONLY</b>
i	20 mm dia	m	\$ 19.00
ii	25 mm dia	m	\$ 29.00
iii	32 mm dia	m	\$ 39.00
<b>2.3</b>	<b>Trunking complete with elbow, tee, cross joint, cover plate, earth link etc</b>		<b>MATERIAL ONLY</b>
i	50mm x 50mm	m	\$ 24.00
ii	75mm x 50mm	m	\$ 30.00
iii	100mm x 50mm	m	\$ 33.00



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**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
iv	150mm x 50mm	m	\$ 61.00
v	200mm x 50mm	m	\$ 73.00
vi	200mm x 100mm	m	\$ 79.00
vii	200mm x 150mm	m	\$ 88.00
viii	300mm x 75mm	m	\$ 100.00
ix	300mm x 100mm	m	\$ 111.00
<b>2.4</b>	<b>Cable trays inclusive of all mounting bracket and accessories etc</b>		
i	50mm	m	NA
ii	75mm	m	NA
iii	100mm	m	NA
iv	150mm	m	NA
<b>2.5</b>	<b>Lighting and Power Point</b>		
<b>2.5.1</b>	Supply and installation of lighting point complete with light fixture, switch, wiring, cable support system and accessories	no	\$ 700.00
<b>2.5.2</b>	Supply and installation of switched fused connection unit complete with wiring, cable support system and accessories	no	\$ 700.00
<b>2.5.3</b>	Supply and installation of 13A switched socket outlet complete with wiring, cable support system and accessories	no	\$ 700.00
<b>2.6</b>	Canvas padding protection necessary for lift car interior complete with hooks after completion	item	\$ 700.00

**PROJECT: PROPOSED DEVELOPMENT OF AIRCRAFT STANDS, TAXIWAYS, ANCILLARY BUILDINGS AND ASSOCIATED WORKS FOR T5**  
**REFERENCE NO.: CE/23/T5/P/518**

**MEP SOR**

**13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)**

**CES**

ITEM	DESCRIPTION	UNIT	RATE (\$\$)
<b>2.7</b>	6mm thick acrylic protection necessary for lift car interior after completion include dismantling and make good to ceiling/wall/floor	item	\$ 1,100.00
<b>2.8</b>	<b>Miscellaneous items</b>		
<b>2.8.1</b>	<b>Associated builders' works</b>		
2.8.1.1	trimmer beams	no	NA
2.8.1.2	separator beams	no	NA
2.8.1.3	brackets	no	Factory's for guide-rails
2.8.1.4	hoisting hooks	no	NA
2.8.1.5	cast-in-plates (supply only) for CD shelter wall where necessary	no	NA
2.8.1.6	catladder	no	Factory's standard
<b>2.8.2</b>	<b>LCD display complete necessary accessories</b>	no	NA
<b>3</b>	<b>LIFT SUPERVISORY SYSTEM</b>		
<b>3.1</b>	Lift supervisory panel (mimic panel) complete with wiring, indication lights, key switches and necessary	item	\$ 1,500.00
<b>3.2</b>	Repeater panel complete with wiring, indication lights, key switches and necessary accessories	item	\$ 1,500.00
<b>3.3</b>	Operation workstation complete with PC based computer workstation, servers, LCD monitors, printers, peripheral devices and all necessary hardware, software and access accessories	item	\$ 18,800.00
			exclude Cabling work

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			MEP SOR
13.2.1.7 SCHEDULE OF RATES - MEP (LIFT SYSTEM)			CES
ITEM	DESCRIPTION	UNIT	RATE (\$\$)
4	COST FOR LIFT PER LANDING		
4.1	Cost of lift per landing complete with call button, car operating panels, programming, wiring and associate accessories	Landing	\$ 4,500.00
5	TEMPORARY USAGE OF LIFTS DURING CONSTRUCTION		
5.1	Per landing cost complete with call button, car operating panels, programming, wiring and associate accessories	no	\$ 3,100.00
			\$2,500/month + \$600 (MOM)