

SMC

Roller shutter

S/N	Size	Location	Remarks
1	3035 x 3000	Spare parts store	
2	3035 x 3000	Spare parts store	GL 16-17/H9
3	5350 x 4550	Spare parts store	GL 16-17/J6
4	3060 x 3050	Spare parts store	GL 16-17/G9
5	3060 x 3050	Spare parts store	GL 18-19/G9
6	3060 x 3050	Spare parts store	GL 19-20/G9
7	3060 x 3050	Spare parts store	GL 20-21/G9
8	3060 x 3050	Compressed air plant	
9	3060 x 3050	Lubricant store	
10	3060 x 3050	Bin centre	

Public address system

S/N	Equipment	Brand/model	Qty	Location	Remarks
1	Microphone	Glexus	3	Block A level 1 (control room, receipt office, security guardhouse) and Level 2 server room	
2	Voice alarm controller	Bosch	1	Block A Level 2 server room	
3	Tuner/music player	Glexus	1	Block A Level 2 server room	
4	Plena timer	Bosch	1	Block A Level 2 server room	
5	Voice alarm router	Bosch	6	Block A Level 2 server room	
6	EVC digital recorder	Glexus	1	Block A Level 2 server room	
7	Amplifier	Bosch	7	Block A Level 2 server room	
8	Zonal volume control	Glexus	9	Block A Level 1 control room	
11	Ceiling loudspeaker	Glexus		Block A Level 1 to 3	
12	Horn speaker	Glexus		Block A Level 2, LMB and HMB	

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CCTV

S/N	Equipment	Brand/model	Qty	Location	Remarks
1	Camera (different types)	Glexus	64	All areas	
2	Monitor	Glexus	4	Guardhouse	
3	Power supply unit c/w backup battery	Glexus	1	Guardhouse	
4	Remote CCTV link	Glexus	2	GM office, Saravananana office	
5	Network video recorder	Glexus	4	Guardhouse	

Dumbwaiter, Armbarrier, sliding gate system

S/N	Equipment	Brand/model	Qty	Location	Remarks
1	Dumbwaiter	Swee Hin 14/5	1	Block A serving canteen	Peak Engineering - Sep 2018
2	Arm barrier	Kone	2	Block A main entrance	
3	Sliding gate	NICE	1	Block A main entrance	

Plumbing, sewerage and water supply

S/N	Equipment	Brand/Model	Qty	Location	Remarks
1	Booster pump	Ebara 3M 50-160/5.5	3	Level 3 plant room	
2	Fibreglass pressure tank	Aquasystem VAV300	1	Level 3 plant room	Peak Engineering - Mar 19
3	Fibreglass pressure tank	Aquasystem VAV500	1	Level 3 plant room	Peak Engineering - Mar 19
4	Sump pump	HOMA TP52M 13/4D	2	Maintenance bay basement	
5	Domestic water tank	Bridgestone 2 compartment, Size: 10m x 2.5m x 3m(h)	1	Level 3 plant room	

Fire protection services

S/N	Equipment	Brand/Model	Qty	Location	Remarks
1	Hose reel	AE	21	All areas	
2	Fire Hydrant	AE	5	Outdoor areas	
3	Sprinkler head	Spray safe model B		All areas	
4	Fire Extinguisher	Various	93	All areas	
5	Flow switch	Glexus	15	All areas	

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<Restricted>

6	Pressure switch	Sainomiya		Block A control valve area and sprinkler pump room	
7	Pressure gauge	Birch		Block A control valve area and sprinkler pump room	
8	Alarm check valve c/w alarm gong	Central Model F	8	Block A control valve area and sprinkler pump room	
9	Shunt gapmeter	Platon/Sguv		Block A control valve area	
10	Fire pump- OH	RB A60 3" x 2"	2	Sprinkler pump room	
11	Jockey pump	Lowara SV207	1	Sprinkler pump room	
12	Fire pump - EHH	RB 6" x 6" DF	2	Sprinkler pump room	
13	Jockey pump	Lowara SV414	1	Sprinkler pump room	
14	Smoke detector	Glexus	48	All areas	
15	Call point	Glexus	26	All areas	
16	Alarm bell	Glexus		All areas	
17	Control relay	Glexus	19	All areas	
18	Corrosion resistant sprinkler	Viking N2 pendant		Treatment plant and scrap handling area	
19	Cast iron gate valve	Kitz/Fig125Fcw1		Control valve and sprinkler pump room	
20	Ball Float valve	Psv/Fig501		Sprinkler pump room	
21	Vortex inhibitor	Ansul/AS117		Sprinkler pump room	
22	Floatless level switch (sprinkler tank)	Omron 61F-G3		Sprinkler pump room	
23	Swing check valve	Kitz/Fig 125 FCO		Control valve and sprinkler pump room	
24	Water check valve	Kitz/Fig 10FW		Control valve and sprinkler pump room	
25	Bronze gate valve	Kitz/Fig H		Control valve and sprinkler pump room	
26	Bronze swing check valve	Kitz/Fig R		Control valve and sprinkler pump room	
27	FMIB	Glexus	1	Guard house	
28	Main Fire MIMIC panel	Glexus	1	Guard house	

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<Restricted>

29	SAP/1	Glexus	1	Block A Level 1	
30	SAP/1 Repeater	Glexus	1	Block A Level 1	
31	SAP/1 Repeater	Glexus	1	Block A Level 2	
32	SAP/1 Repeater	Glexus	1	Block A Level 3	
33	SAP/2	Glexus	1	HMB	
34	SAP/2 Repeater	Glexus	1	HMB	
35	Sounder	Glexus	3	Block A Level 1 , 2 and 3	

Electrical Installation

S/N	Equipment	Brand/Model	Qty	Location	Remarks
1	22kv switchgear	ABB ZS1/VD4 vacuum	2	Switchroom	
2	Transformer 1000kv	ABB 1000kv, hermetically sealed oil type		Transformer room	
3	HT Metering kiosk panel	ABB	1	PUB meter	
4	Generator	Tropic power/TP1000PA	1	Genset room	Ahead Engineering - Oct 18
5	Changeoverpanel	Ahead Engineering	1	Outside genset room	Ahead Engineering - Mar 18

Aircon - split unit

S/N	Equipment	Brand	Model	Location	Remarks
1	FCU 2-1	Carrier	40JCS024	2nd Storey Office	
2	-	Daikin	FT25DVM	2nd storey meeting room A	
3	FCU 2-2	Daikin	FT25DVM	2nd storey meeting room B	
4	FCU 2-4	Fujitsu	AVYA30LBLU	2nd storey office	
5	FCU 2-5	Mitsubishi	PL - 3BAK	2nd storey office	
6	FCU 4	Fujitsu	AVYA30LBLU	3rd storey Room 1	
7	FCU 2	Fujitsu	AVYA30LBLU	3rd storey Room 1	
8	FCU 3	Fujitsu	AVYA36LBLU	3rd storey Room 2	
9	FCU 4	Fujitsu	AVYA36LBLU	3rd storey Room 3	
10	FCU 5	Fujitsu	AVYA24LBL	3rd storey conference room	
11	Panasonic (CC)	Panasonic	CS-T19KB4H52	1st storey male locker room	

<Restricted>

<Restricted>

12	Mitsubishi (CC)	Mitsubishi	FDTN0VF1	1st storey locker room	
13	Mitsubishi (CC)	Mitsubishi	PLY-P80EA	1st storey locker room	
14	Mitsubishi (CC)	Mitsubishi	FDT100VFI	1st storey locker room	
15	Mitsubishi (WM)	Mitsubishi	MSXY-FN10VE	1st storey issue office	
16	Mitsubishi (WM)	Mitsubishi	MSXY-FN10VE	1st storey receipt office	
17	LG (WM)	LG	BSNQ246K3B3	1st storey supervisor room	
18	LG (WU)	LG	-	1st Guard House	
19	Daikin (WM)	Daikin	FT25DVM	2nd Storey prayer room	
20	-	Mitsubishi	SRK18CEV4	1st Floor MDF Room	
21	Panasonic (WM)	Panasonic	CS-PS12UKZ	Level 2 PABX	Peak Engineering - Apr 2018
22	Panasonic (WM)	Panasonic	CS-PS12UKZ	Level 2 PABX	Peak Engineering - Apr 2018
23	Panasonic (WM)	Panasonic	CS-S12PKZW	Level 2 Server Room @ Computer Room	
24	Panasonic (WM)	Panasonic	CS-S12PKZW	Level 2 Server Room @ Computer Room	
25	Daikin (ducted)	Daikin	FDR05NY1	L1 office (now SIAEC office)	

Aircon - AHU

S/N	Equipment	Brand	Model	Location	Remarks
1	3-1	Carrier	39FDO-350J1017AG	3rd storey Near Canteen	
2	3-2	Carrier	39FDO-44DK1017AH	3rd storey Near Canteen	
3	2-1	Carrier	39FDO-35DJ1017AG	2nd storey near control A/C Room	
4	2-2	Carrier	39FDO-35DJ1017AG	2nd storey office	
5	2-3	Carrier	39FDO-35DJ1017AG	2nd storey office	

Aircon - CFCU

S/N	Equipment	Brand	Model	Location	Remarks
1	FCU 1-1	Carrier	42CMA008	Level 1 rest room	

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<Restricted>

2	FCU 1-2	Carrier	40LW006	Level 1 Progress & Issue chaser room (now SIAEC office)	
3	FCU 1-3	Carrier	40LW004	Level 1 Technical supply room	
4	FCU 1-4	Carrier	40LM090	Level 1 Technical supply room	Peak Engineering - Oct 2019
5	FCU 1-5	Carrier	40LW004	Level 1 Technical supply room	
6	FCU 1-6	Carrier	42CMA010	Level 1 Supervisor room	
7	FCU 1-7	Carrier	40LW001	Level 1 charge hand office	
8	FCU 1-8	Carrier	42CMA008	Level 1 Briefing Room	
9	FCU 1-9	Carrier	42CMA010	Level 1 Corridor	
10	FCU 1-10	Carrier	42CMA011	Level 1 Corridor	
11	FCU 1-11	Carrier	42CMA008	Level 1 Lobby near staircase 1	
12	FCU 3-1	Carrier	40LW006	Level 3 office 5	
13	FCU 3-2	Carrier	40LW004	Level 3 office 4	
14	FCU 3-3	Carrier	40LW004	Level 3 office 3	
15	FCU 3-4	Carrier	40LW004	Level 3 office 2	
16	FCU 3-5	Carrier	40LW004	Level 3 office 1	
17	FCU 3-6	Carrier	42CMA010	Level 3 office 6	
18	FCU 3-7	Carrier	40LW004	Level 3 office 7	

Aircon - chiller and pumps

S/N	Equipment	Brand	Model	Location	Remarks
1	Chiller 1	Johnson Controls	YLAA0456HE52XAB	Level 3 plant room	Lodestar Engineering - Jul 2016
2	Chiller 2	Johnson Controls	YLAA0456HE52XAB	Level 3 plant room	Lodestar Engineering - Jul 2016
3	Chilled water pump 1	Monoflo	DMT 80-320 MB	Level 3 plant room	Peak Engineering - May 21
4	Chilled water pump 2	Monoflo	DMT 80-320	Level 3 plant room	

Mechanical ventilation

S/N	Equipment	Brand/Model	Location	Remarks
1	Exhaust air fan (EAF1-1)	M&Y/ZT1-450	Block A Inflammable store	

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2	Exhaust air fan (EAF1-2)	M&Y/ZT1-500	Block A genset room	
3	Exhaust air fan (EAF1-3)	M&Y/ZT1-500	Block A Transformer room	
4	Exhaust air fan (EAF1-4)	M&Y/15G2P2DB	Block A male locker	
5	Exhaust air fan (EAF1-5)	Mecflo ME100C	Block A Level 1 toilet	
6	Fresh air fan (FAF1-1)	M&Y/ZT1-500	Block A Inflammable store	
7	Fresh air fan (FAF1-2)	M&Y/15G2P2DB	Block A male locker	
8	Fresh air fan (FAF1-3)	Mecflo/ME 200B	Block A Level 1 (for FCUs)	
9	Fresh air fan (FAF1-4)	Mecflo/ME160C	Block A Level 1	
10	Fresh air fan (FAF2-1)	Mecflo/ME 1000C	Block A Level 2 AHU room	
11	Fresh air fan (FAF2-2)	Mecflo/ME 100C	Block A Level 2 computer room	
12	Fresh air fan (FAFSP-1)	M&Y/30G4P4FA	Block A Level 2 spare parts store	
13	Fresh air fan (FAFSP-2)	M&Y/24G4P4EA	Block A Level 2 spare parts store	
14	Fresh air fan (FAFSP-3)	M&Y/24G4P4EA	Block A Level 2 spare parts store	
15	Fresh air fan (FAFSP-4)	M&Y/24GP4DA	Block A Level 2 spare parts store	
16	Exhaust air fan (EAF3-1)	M&Y/ZTR450	Block A Level 3 pantry and stores	
17	Exhaust air fan (EAF3-2)	M&Y/ZTR450	Block A Level 3 toilets	

<Restricted>

<Restricted>

18	Exhaust air fan (EAF3-3)	M&Y/15G2P2DB	Block A Level 3 toilets	
19	Exhaust air fan (EAFR-1)	M&Y/ZTR560	Block A Level 2 spare parts store	
20	Exhaust air fan (EAFR-2)	M&Y/ZTR560	Block A Level 2 spare parts store	
21	Exhaust air fan (EAFR-3)	M&Y/ZTR560	Block A Level 2 spare parts store	
22	Exhaust air fan (EAFR-4)	M&Y/ZTR560	Block A Level 2 spare parts store	
23	Exhaust air fan (EAFR-5)	M&Y/ZTR560	Block A Level 2 spare parts store	
24	Exhaust air fan (EAFR-6)	M&Y/ZTR560	Block A Level 2 spare parts store	
25	Exhaust air fan (EAFR-7)	M&Y/ZTR560	Block A Level 2 spare parts store	
26	Exhaust air fan (EAFR-8)	M&Y/ZTR560	Block A Level 2 spare parts store	
27	Exhaust air fan (EAFR-9)	M&Y/ZTR560	Block A Level 2 spare parts store	
28	Exhaust air fan (EAFR-10)	M&Y/ZTR560	Block A Level 2 spare parts store	
29	Fresh air fan (FAF3-1)	M&Y/ZTR450	Block A Level 3 for staircase	
30	Fresh air fan (FAF3-2)	Mecflo ME200A	Block A Level 3 for FCUs	
31	Fresh air fan (FAF3-3)	Mecflo ME100C	Block A Level 3 for FCUs	
32	Fresh air fan (FAF3-4)	Mecflo ME100C	Block A Level 3 for FCUs	
33	Fresh air fan (FAF3-5)	M&YZT1-500	Block A Level 3 for staircase	

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<Restricted>

34	Fresh air fan (FAF3-6)	M&Y24GV4P	Block A Level 3 for FCUs	
35	Fresh air fan (FAFCP1)	M&Y/24G 4P4DA	Compressed air plant	
36	Exhaust air fan (EAF LS1)	M&Y/ZTI560	Lubricant store	
37	Exhaust air fan (EAF MT1)	M&Y/ZT1-500	Mechanic toilet	
38	Exhaust air fan (EAF WP1)	S&P/HXM300	Washbay plant	
39	Exhaust air fan (EAF HV1)	Chicago/36 1/2 SISW	Service pit	
40	Exhaust air fan (EAF HV2)	Chicago/36 1/2 SISW	Service pit	
41	Exhaust air fan (EAF TP1)	M&Y 30G4P4EB	Treatment plant	
42	Exhaust air fan (EAF CP1)	M&YZT1-500	Compressed air plant	
43	Exhaust air fan (EAF LS1)	M&Y/ZT1630	Lubricant store	
44	Exhaust air fan (EAFM1-1)	M&Y ZT1-450	Mechanic store	

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