

SECTION 6.0 SCHEDULE OF DESIGN REQUIREMENTS

The main items of equipment for the Workshop Equipment as listed below:

6.1 Compressed Air System (Cawangan Kenderaan)

Item	Description of Equipment	Quantity
1.	Screw air compressor with capacity 65 cfm @ 10 bar working pressure c/w controllers, valves and other accessories.	1 Set
2.	350 litres air receiver tank with minimum working pressure of 10 bar c/w valves, pressure gauge, safety valves, automatic condensate drain and other accessories.	1 Lot
3.	Refrigerant dryer with capacity 65 cfm using refrigerant R134a c/w valves, gauge, automatic level sensing drain and other accessories.	1 Lot
4.	Pre-filter with air capacity of 1.8 m3/min @ 10 bar c/w differential pressure gauge and other accessories.	1 Lot
5.	After filter with air capacity of 1.8 m3/min @ 10 bar c/w differential pressure gauge and other accessories.	1 Lot
6.	G.I Class 'C' for the pipe works reticulation line c/w valves, coupling devices (for air outlet) and others necessary item.	1 Lot
7.	15m Air hose c/w reel for pneumatic tools (3/8")	6 sets
8.	Point of use Filter, Regulator, Lubricator (FRL)	6 sets
9.	8" Air Blow Gun	6 sets
10.	Tyre inflator c/w dial gauge	1 set

6.2 Compressed Air System (Bengkel Senjata Blok Pentadbiran)

Item	Description of Equipment	Quantity
1.	Piston air compressor with capacity 8 cfm @ 8 bar working pressure c/w controllers, air receiver tank, valves, built in air dryer and other accessories.	1 Set
2.	After filter c/w differential pressure gauge and other accessories.	1 Lot
3.	G.I Class 'C' for the pipe works reticulation line c/w valves, coupling devices (for air outlet) and other necessary item.	1 Lot
4.	15m Air hose c/w reel for pneumatic tools (1/4")	1 sets

**6.3 Scissor Lift & Post Lift**

Item	Description of Equipment	Quantity
1.	5000 kg Electric Scissor Lift c/w safety device system, safety support, mechanical limit switch, speed controller, hydraulic cylinder, electrical panel etc.	1 Lot
2.	4000 kg Four Post Lift c/w safety device system, safety support, mechanical limit switch, speed controller, hydraulic cylinder, electrical panel etc.	1 Lot
3.	500 kg Motorcycle Lift c/w safety device system, safety support, mechanical limit switch, speed controller, hydraulic cylinder, electrical panel etc.	1 Lot

6.4 Oil Interceptor

Item	Description of Equipment	Quantity
1.	Oil interceptor of 35gpm capacity c/w diffuser plate, skimmer, detachable bar screen, detachable filter, baffle, bucket, chequered plate galvanized cover, automatic closure device, hydrocarbon accumulation detector, piping works, scupper drain and other necessary accessories and work to complete the installation interceptor.	1 Lot
2.	Stainless Steel oil storage tank and other necessary accessories	300 Litres
3.	uPVC piping from the scupper drain to the interceptor & to the manhole c/w fittings as specification & drawings to complete the installation	1 Lot

6.5 Vehicle Washing System

Item	Description of Equipment	Quantity
1.	330 gallons cylindrical HDPE tank c/w ball valves, indicator, vent, access, electrode sensor, concrete plinth and all other accessories as specification & drawings	1 Lot
2.	High Pressure Triplex Plunger pump set (min 120 bar) c/w control panel, foaming mixer machine, control wiring, piping, high pressure fittings and other accessories as per specification & drawings	1 Lot
3.	30m high pressure rubber hose c/w self-retractable hose reel	1 Lot
4.	Trigger gun c/w stainless steel spray lance, nozzle and other accessories as per specification & drawings	1 Lot
5.	PP-R piping from pump to the high-pressure hose	1 Lot
6.	Water jet Self-Retractable high-pressure hose	2 Lot
7.	Car wash foaming machine c/w self-retractable high-pressure hose	1 Lot



6.6 Miscellaneous Workshop Tools

6.6.1 Bahagian Penyelenggaraan

Item	Description of Equipment	Quantity
1.	Blow Gun Air Duster	1 no.
2.	Floor Jack 3 tonne	1 no.
3.	Floor Jack 5 tonne	1 no.
4.	Grease Guns Pressor	1 no.
5.	Heavy Duty Adjustable Creepers	1 no.
6.	Jack Stand 3 tonne	4 nos.
7.	Oil Filter Wrenches 2-Ways	1 set
8.	Oil Gun – Bucket Hand Gun (Pneumatic)	1 set
9.	Wall Tyre Pressure Gauge Complete Set	1 set
10.	Waste Oil Drain -50 Liter	1 no.
11.	Drawer Ball Bearing Trolley c/w 100pcs Mechanic Tool Sets	1 sets.
12.	Solid wood work bench with bench vise	1 set

6.6.2 Bahagian Pembaikan

Item	Description of Equipment	Quantity
1.	½" Drive Impact Wrenches (50-450lb)	1 no.
2.	2 & 9-Jaw Inside and Outside Pullers (size : 6 and 10)	1 set
3.	¾" Drive Impact Wrenches (300-800lbs) Long Anvil	1 set
4.	Air Tool (Grinders)	1 set
5.	Blow Joint/Tie Rod Separator	1 no.
6.	Blow Gun Air Duster	1 no.
7.	DC Inspection Lamp	1 set
8.	Floor Crane 2 tonne	1 no.
9.	Floor Jack 3 tonne	1 no.
10.	Floor Jack 5 tonne	1 no.



11.	Heavy Duty Adjustable Creepers	1 no.
12.	Jack Stand 3 tonne	1 nos.
13.	Oil Can	1 nos.
14.	Timing Light	1 set
15.	Drawer Ball Bearing Trolley c/w 100pcs Mechanic Tool Sets	1 sets
16.	Jack Stand 12 tonne	2 set

6.6.3 Bahagian Elektrik/Air-Cond

Item	Description of Equipment	Quantity
1.	Air-Conditioning Recycling R134A + Vacuum	1 set
2.	Battery Charger (For 8 Battery)	1 set
3.	Battery Tester (Heavy Duty)	1 set
4.	Diagnostic Analog Multimeters	1 no.
5.	Soldering (20-130 watt)	1 set
6.	Drawer Ball Bearing Cabinet c/w 100pcs Basic Tools	1 set
7.	Heavy Duty 3in1 MIG Welding Set	1 set

6.6.4 Bahagian Kimpalan/Cat

Item	Description of Equipment	Quantity
1.	Blow Gun Air Duster	1 no.
2.	Double Gas Mask (Spray Type)	1 no.
3.	G-Clamp	1 no.
4.	Grinding Bench Grinder 150mm	1 set
5.	Polisher	1 no.
6.	Polisher Accessories (Butting Pad)	1 set
7.	Riveting (Size : 2.4mm)	1 no.
8.	Safety Googles (Welding Type)	3 nos.
9.	Spray Gun (Normal & Metalic)	1 set
10.	Welding Gloves	1 sets
11.	Welding Googles (Mask Type)	1 sets
12.	6-Drawer Ball Bearing Trolley c/w 100pcs Basic Tools	1 sets



6.6.5 Stor Peralatan

Item	Description of Equipment	Quantity
1.	Air Operated Brake Fluid	1 no.
2.	Mighty Hand Spring Compressor	1 no.
3.	Normal Valve Spring Compressor For Car (75~225mm)	1 set
4.	Pipe Wrench (Size : 24")	1 set
5.	Radiator Pressure Tester	1 no.
6.	Sender & Polisher	1 set
7.	Stainless Steel Washing Pan (30"x30"x4")	1 set
8.	Torque Wrench Metric (15~80lb)	1 set
9.	Torque Wrench Metric (50~250lb)	1 set
10.	Vernier Calliper (Size:150 & 200mm)	2 sets
11.	6-Drawer Ball Bearing Trolley c/w 100pcs Basic Tools	1 sets

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