

JIVEIC-003/06/2020



## PROCUREMENT OF MOTOR MECHANICAL TOOLS, EQUIPMENT AND MACHINERY (MERSETA)

No.	Item	Quantity	ASSETS
			Specifications and descriptions
1.	Power bar or T-bar	5	1/2
2.	Ratchet	15	1/2
3.	Socket set	15	1/2
4.	Extensions	5	1/2
5.	Universal coupling/joint	15	1/2
6.	Spark plug socket (16)	15	4 piece
7.	Universal joint	10	1/4 or 3/8
8.	Reducers: (male to female) 3/8 to 1/4 & 1/2 to 3/8	10	3/8 to 1/4 & 1/2 to 3/8
9.	Side cutters	10	Set
10.	Combination pliers	10	Set
11.	Long nose pliers	10	Set
12.	Water pump pliers	10	Set
13.	Cir-clip pliers (set of 4: 2* straight; 2* bent; 2* external)	10	Set
14.	Pliers cir-clip flat nose external (for horseshoe cir-clip)	10	Set
15.	Vice-grip	10	Set
16.	Screw driver set: flat and phillips	10	Set
17.	Combination spanners/wrench set	10	Set
18.	Crowfoot wrenches for diesel pipes	10	Set
19.	Allen key wrench set	10	Set
20.	Torque wrench/screw drivers set or socket male	10	Set

21.	Torque wrench/screw drivers set or socket female	10	Set
22.	Multi-spline wrench/screw drivers set or socket male	10	Set
23.	Multi-spline wrench/screw drivers set or socket female	10	Set
24.	Lead light	10	Set
25.	Extension lead	10	Set
26.	Pry bars	10	Set
27.	Calper for brake drums or large Vernier caliper	10	150mm or 300mm
28.	Venier caliper (including depth gauge) 150mm or 300mm	10	150mm or 300mm
29.	Steel ruler	10	1m
30.	Inside-micrometer set	15	Set
31.	Outside micrometer set	15	Set
32.	Micro-meter stand	15	
33.	Telescopic gauge	15	Set
34.	Small-hole gauge set (measure valve guides internal bore)	15	Set
35.	Bore gauge	15	Set
36.	Dial gauge with magnetic stand	10	Set
37.	Feeler gauge	15	Set
38.	Tyer tread gauge	15	Set
39.	Tyer pressure gauge	15	Set
40.	Multimeter	15	600V, 400MA
41.	True rms 800A-high-current amp-clamp meter dc/ac	10	800A DC/AC
42.	Thermometer	10	Set
43.	Metering container	5	20L
44.	Oil pressure tester	10	Kit
45.	Fuel pressure gauge tester	10	Kit
46.	Valve spring load tester	10	Kit
47.	Hammer soft face	15	Kit
48.	Hammer ball pein 200g	15	Kit
49.	Hammer ball pein 500g	10	Kit
50.	Punch set	10	Kit
51.	Oil filter wrench (leather strip/three leg or chain type)	10	Kit
52.	Oil draining equipment	10	Kit

53.	Ring remover/explander (correct size for pistons used)	5	Set
54.	Piston ring compressor 165-175 mm, 57-125 mm	10	Set
55.	Straight edge	10	Set
56.	Valve lifter (correct size for cylinder heads used)	10	Set
57.	V-blocks for crankshafts (two per shaft)	10	Set
58.	Engine compression tester gauge (petrol with necessary fittings)	10	Set
59.	Engine compression tester gauge diesel with necessary fittings	10	Set
60.	Torque angle gauge drive	10	Set
61.	Torque wrench (covering a range from 10Nm to 120Nm)	5	Set
62.	Valve spring tension tester	10	Set
63.	Vacuum gauge and pump	10	Set
64.	Air-con leak tester equipment (sniffer or ultra-violet light)	10	Set
65.	Coil spring compressor	10	Set
66.	Coiling system pressure tester including cap tester	10	Set
67.	Refractor meter (coolant sg meter)	10	Set
68.	Headlight adjuster	5	Set
69.	Differential side bearing adjuster spanner	10	Set
70.	Pinion flange holder for differential	10	Set
71.	Diesel pump timing dial tester (rotary pumps)	10	Set
72.	Wheel balancing machine	2	230V @50HZ
73.	Wheel alignment (4 wheel machine with pit post hoist)	1	160KG
74.	12-24 volts- truck, earth moving & car diagnostic	1	3KG

	scanner (Fcar F7S-G master)		
75.	Wheel alignment (brake lock, steering lock, turntables pair)	10	160KG
76.	Oscilloscope ( can be part of the diagnostic tool)	10	3KG
77.	Air conditioning re-gassing machine	10	95KG
78.	Battery load tester	10	12V
79.	Battery charger (UP TO 40A)	10	40A
80.	Air compressor with air supply line in workplace	10	100L
81.	Vehicle jack 3TON	3	3TON
82.	4* Trestles	10	3TON
83.	Petrol engine model	3	1-4L
84.	Running petrol engine efi on a stand for fault finding	2	1-4L
85.	Running diesel engine crd on a stand for fault find purpose	2	1-4L
86.	Running diesel engine rotary pump (vehicle or on a stand)	2	1-4L
87.	Complete engine for stripping and valve timing (not necessarily running)	2	1-4L
88.	Front wheel drive gearbox	3	1-4L
89.	Rear wheel drive gearbox	3	1-4L
90.	Rear wheel drive final drive (adjustable)	3	1-4L
91.	Macpherson strut with spring	5	1-3L
92.	Wiring board	4	1-4L
93.	Functioning air-con system (can be part of the vehicle or standalone)	3	1-4L
94.	Solvent (testing of cylinder head valve leaking)	15	Set
95.	Leather apron for welding	15	Set
96.	Gauntlets for welding	15	Set

97.	Rubber apron for working with acid	15	Set
98.	Rubber gloves for working with acid	15	Set
99.	Secure storage facility for documents	4	5X4M
100.	Work benches with 150mm vice (with projected soft jaws)	15	1X7M
101.	Lock up store for all special tools	4	
102.	Installation of equipment into 15 work bays	1	

  
 ACTING DP: ACADEMIC SERVICES