

PROCUREMENT PLAN PART C

PROCUREMENT PLAN: IMC TO SUBMIT THE PROCUREMENT PLAN FOR IT AS PER SECTION 4.2 PROCUREMENT GUIDELINES IN THE BELOW FORMAT 1:

TOTAL PLANNED PROCUREMENT AMOUNT YEAR (1): 188 (INR LAKH) 2023-2024

YEAR WISE DETAILS OF ITEM(GOODS,SERVICE...ETC)ARE DETAILS BELOW

ITEM TO BE PROCURED IN YEAR 1

Sl. No.	Name of the items	Specification	TRADE / COURSE FOR WHICH IT IS REQUIRE	TOTAL REQUIRE	RATE / UNIT (IN INR LAKH)	TOTAL IN INRLAKH)	METHOD OF PROCUREMENT (SHOPPING/ COMPETITIVE/ BIDDING)
1	Purchase of Shop Equipment for trainees practice	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	25 Lakhs	25 Lakhs	GeM Bidding-RA/Shopping
2	Purchase of General Tools & Equipment	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	24 Lakhs	24 Lakhs	GeM Bidding-RA/Shopping
3	Purchase of LMV	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	14 Lakhs	14 Lakhs	GeM Bidding-RA/Shopping
4	Purchase of MMV Trade Petrol Engine(2-stroke) Motor MPFI petrol engine Four stroke petrol engines with CNG Air conditioning service Unit Air bag simulator Diesel Engine	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	25 Lakhs	25 Lakhs	GeM Bidding-RA/Shopping
5	Purchase of MMV Trade Cut section of 4/6 cylinder diesel engine Working Condition of Diesel Engine – CRDI – 4 Trolley type portable air compressor Multi Scan Tool To scan Engine, ABS & EBD, AT, SRS, Body Control and immobilizer	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	25 Lakh	25 Lakhs	GeM Bidding-RA/Shopping
6	Purchase of MMV Trade 1. Diesel Engine – CRDI - 4 stroke 2. Automotive exhaust 5 gas analyzer	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	25 Lakh	25 Lakhs	GeM Bidding-RA/Shopping

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ITEM TO BE PROCURED IN YEAR 1

6	3. Synchronous Gear box with stand for Dismantling and assembly 4. Synchronous Gear box with stand for Dismantling and assembly 5. Steering assembly — 1. Rack & pinion 2. Worm & roller 6. Functional/experiment model of different type of sensors. 7. Full floating axle and semi- floating axle assembly	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	25 Lakh	25 Lakhs	GeM Bidding-RA/Shopping
7	Purchase of MMV Trade All cut models, Furniture, Consumables & other workshop machinery	New Trade	Motor Mechanic Vehicle (As Per NSQF syllabus)	2(1+1) Units	25 Lakh	25 Lakhs	GeM Bidding-RA/Shopping
TOTAL					188 Lakhs	188 Lakhs	

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PART C: PROCUREMENT PLAN

A. Item to be procured in Year-1

SL. NO.	NAME OF THE ITEM	SPECIFICATION	TRADE/COURSE FOR WHICH IT IS REQUIRED	TOTAL REQUIRED	RATE /UNIT (IN INR LAKH)	TOTAL IN INR LAKH)	METHOD OF PROCUREMENT (SHOPPING/COMPETITIVE /BIDDING /QUOTATION CALL)
1	Allen Key set of 12 pieces	2mm to 14mm	MMV	14 Nos	0.00578	0.08092	GEM BIDDING (National)
2	Calliper inside with spring	15 cm	MMV	14 Nos	0.00061	0.00854	GEM BIDDING (National)
3	Callipers outside with spring	15 cm	MMV	14 Nos	0.00061	0.00854	GEM BIDDING (National)
4	Center Punch.	10 mm. Dia. x 100 mm	MMV	14 Nos	0.00057	0.00798	GEM BIDDING (National)
5	Dividers with spring	15 cm	MMV	14 Nos	0.00061	0.00854	GEM BIDDING (National)
6	Electrician Screw Driver	250mm	MMV	14 Nos	0.001	0.014	GEM BIDDING (National)
7	Hammer ball peen with handle	0.5 kg	MMV	14 Nos	0.00555	0.0777	GEM BIDDING (National)
8	Hands file for Second cut flat	20 cm.	MMV	14 Nos	0.00578	0.08092	GEM BIDDING (National)
9	Philips Screw Driver set of 5 pieces	100 mm to 300 mm	MMV	14 Nos	0.00696	0.09744	GEM BIDDING (National)
10	Pliers combination	20 cm.	MMV	14 Nos	0.00342	0.04788	GEM BIDDING (National)
11	Screw driver Blade	20cm.X 9mm.	MMV	14 Nos	0.00159	0.02226	GEM BIDDING (National)
12	Screw driver Blade	30 cm. X 9 mm.	MMV	14 Nos	0.00229	0.03206	GEM BIDDING (National)
13	Scriber	15 cm	MMV	14 Nos	0.00057	0.00798	GEM BIDDING (National)
14	Spanner D.E. set of 12 pieces	6mm to 32mm	MMV	14 Nos	0.01345	0.1883	GEM BIDDING (National)
15	Spanner, ring set of 12	6 to 32 mm. (metric)	MMV	14 Nos	0.0223	0.3122	GEM BIDDING (National)
16	Spanners socket with speed handle, T-bar, ratchet and universal set of 28 pieces with box	up to 32 mm	MMV	14 Nos	0.06844	0.95816	GEM BIDDING (National)
17	Steel rule	30 cm inch and metric	MMV	14 Nos	0.00064	0.00896	GEM BIDDING (National)
18	Steel tool box with lock and key (folding type)	400x200x150 mm	MMV	14 Nos	0.01392	0.19488	GEM BIDDING (National)
19	Wire cutter and stripper	Standard	MMV	14 Nos	0.00183	0.02562	GEM BIDDING (National)
20	Adjustable spanner (pipe wrench)	350 mm	MMV	2 nos.	0.00673	0.01346	GEM BIDDING (National)
21	AC alternator slip ring puller	Variable	MMV	1 no.	0.0328	0.0328	GEM BIDDING (National)
22	Air blow gun with standard accessories	Trigger operated with interchangeable nozzles	MMV	1 no.	0.02301	0.02301	GEM BIDDING (National)
23	Ammeter DC with external shunt	300A/ 60A	MMV	4 nos.	0.04602	0.18408	GEM BIDDING (National)
24	Air ratchet	with standard accessories	MMV	2 nos.	0.05074	0.10148	GEM BIDDING (National)
25	Air impact wrench	with standard accessories.	MMV	2 nos.	0.05782	0.11564	GEM BIDDING (National)
26	Anvil with Stand	50 Kgs	MMV	1 no.	0.14632	0.14632	GEM BIDDING (National)
27	Auto Electrical test bench	For checking Dynamo, Alternator & Starter. With minimum 2HP AC Motor, Digital Voltmeter & ammeter.	MMV	1 no.	0.9912	0.9912	GEM BIDDING (National)

28	Battery –charger	Capable to charge batteries from 5AH – 150AH.	MMV	2 nos.	0.34692	0.69384	GEM BIDDING (National)
29	Blow Lamp	1 litre	MMV	2 nos.	0.01392	0.02784	GEM BIDDING (National)
30	Belt Tensioner gauge		MMV	1 no.	0.09204	0.09204	GEM BIDDING (National)
31	Car Jet washer with standard accessories	Minimum 3 Phase 1HP 1400RPM Motor, 3 Reciprocating Plungers with pressure regulator & gauge. 8m Water hose with pressure adjustable brass nozzle.	MMV	1 no.	0.9322	0.9322	GEM BIDDING (National)
32	Chain Pulley Block capacity with tripod stand	3 ton	MMV	1 no.	0.32332	0.32332	GEM BIDDING (National)
33	Chisel flat	10 cm	MMV	4 nos.	0.00224	0.00896	GEM BIDDING (National)
34	Circlip pliers Expanding and contracting	15cm and 20cm	MMV	4 each	0.00684	0.02736	GEM BIDDING (National)
35	Cleaning tray	45x30 cm.	MMV	4 nos.	0.0105	0.042	GEM BIDDING (National)
36	Compression testing gauge	suitable for diesel Engine with standard accessories	MMV	2 nos.	0.06844	0.13688	GEM BIDDING (National)
37	Copper bit soldering iron	0.25 Kg	MMV	2 nos.	0.00791	0.01582	GEM BIDDING (National)
38	Cylinder bore gauge capacity	20 to 160 mm	MMV	1 no.	0.21004	0.21004	GEM BIDDING (National)
39	Cylinder liner- Dry & wet liner, press fit & slide fit liner	Standard	MMV	1 each (consumable)	0.18172	0.18172	GEM BIDDING (National)
40	Depth micrometer	0-25mm	MMV	1 no.	0.08614	0.08614	GEM BIDDING (National)
41	Dial gauge type 1 Gr. A (complete with clamping devices and with magnetic stand)	Standard	MMV	1 no.	0.06136	0.06136	GEM BIDDING (National)
42	Different type of Engine Bearing model	10 Different types on board	MMV	1 set	0.15812	0.15812	GEM BIDDING (National)
43	Different type of piston model	5 Different Types on board	MMV	1 set	0.15104	0.15104	GEM BIDDING (National)
44	Drift Punch Copper	15 Cm	MMV	2 nos.	0.00224	0.00448	GEM BIDDING (National)
45	Drill twist (various sizes)	1.5 mm to 8 mm by 0.5mm	MMV	4 nos.	0.09912	0.39648	GEM BIDDING (National)
46	Electric Soldering Iron	230 V 60 watts 230 V 25 watts	MMV	2 each	0.00584	0.01168	GEM BIDDING (National)
47	Electric testing screw driver	Standard	MMV	4 nos.	0.00068	0.00272	GEM BIDDING (National)
48	Engineer's square	Blade size 15 cm	MMV	4 nos.	0.0046	0.0184	GEM BIDDING (National)
49	Engineers stethoscope	Standard	MMV	1 no.	0.03233	0.03233	GEM BIDDING (National)
50	Feeler gauge 20 blades (metric)	Standard	MMV	4 nos.	0.0023	0.0092	GEM BIDDING (National)
51	File flat , bastard	20 cm	MMV	4 nos.	0.00584	0.02336	GEM BIDDING (National)
52	File, half round ,second cut	20 cm	MMV	4 nos.	0.00631	0.02524	GEM BIDDING (National)
53	File, Square second cut	20 cm	MMV	4 nos.	0.00667	0.02668	GEM BIDDING (National)
54	File, Square round	30 cm	MMV	4 nos.	0.00749	0.02996	GEM BIDDING (National)
55	File, triangular , second cut	15 cm	MMV	4 nos.	0.0046	0.0184	GEM BIDDING (National)

56	Files assorted sizes and types including safe edge file (20 No's)	Standard	MMV	2each	0.03658	0.07316	GEM BIDDING (National)
57	Flat File , second cut	25 cm	MMV	4 nos.	0.0082	0.0328	GEM BIDDING (National)
58	Flat File , bastard	35 cm	MMV	4 nos.	0.00578	0.02312	GEM BIDDING (National)
59	Fuel feed pump for Diesel	Hand operated Plunger Type	MMV	1 no.	0.15812	0.15812	GEM BIDDING (National)
60	Fuel injection pump (Diesel) inline	4/6 cylinders RSV Mechanical Pneumatic Governor Type.	MMV	1 no.	0.55224	0.55224	GEM BIDDING (National)
61	Fuel injection pump VE pump / Distributor fuel rotary pump (DPC) pumps / along with special tools and accessories	Standard	MMV	1 each	0.76464	0.76464	GEM BIDDING (National)
62	Grease Gun	Standard	MMV	2 nos.	0.0092	0.0184	GEM BIDDING (National)
63	Grease Gun heavy duty trolley type	10 kg capacity	MMV	1 no.	0.1121	0.1121	GEM BIDDING (National)
64	Growler	Standard	MMV	2 nos.	0.04425	0.0885	GEM BIDDING (National)
65	Hacksaw frame	adjustable 20-30 cm	MMV	12 nos.	0.00212	0.02544	GEM BIDDING (National)
66	Hammer Ball Peen	0.75 Kg	MMV	4 nos.	0.00584	0.02336	GEM BIDDING (National)
67	Hammer Chipping	0.25 Kg	MMV	5 nos.	0.00224	0.0112	GEM BIDDING (National)
68	Hammer copper with handle	1 Kg	MMV	4 nos.	0.02537	0.10148	GEM BIDDING (National)
69	Hammer Mallet	Standard	MMV	4 nos.	0.00136	0.00544	GEM BIDDING (National)
70	Hammer Plastic	Standard	MMV	4 nos.	0.00218	0.00872	GEM BIDDING (National)
71	Hand operated crimping tool/wire	(i) up to 4mm (ii) up to 10mm	MMV	2 each	0.04602	0.09204	GEM BIDDING (National)
72	Hand vice	Up to 37 mm	MMV	2 nos.	0.0046	0.0092	GEM BIDDING (National)
73	Hollow Punch set of seven pieces	6mm to 15mm	MMV	2 sets	0.00555	0.0111	GEM BIDDING (National)
74	Injector – Multi hole type, Pintle type	Standard	MMV	4 each	0.06844	0.27376	GEM BIDDING (National)
75	Injector testing set	(Hand tester)	MMV	1 no.	0.07021	0.07021	GEM BIDDING (National)
76	Insulated Screw driver	20 cm x 9mm blade	MMV	4 nos.	0.00159	0.00636	GEM BIDDING (National)
77	Insulated Screw driver	30 cm x 9mm blade	MMV	4 nos.	0.00229	0.00916	GEM BIDDING (National)
78	Lifting jack screw	3 ton, 5ton & 20 Ton	MMV	1 each	0.09204	0.09204	GEM BIDDING (National)
79	Magneto spanner set with 8 spanners	Standard	MMV	1 set	0.0046	0.0046	GEM BIDDING (National)
80	Magnifying glass	75mm	MMV	2 nos.	0.00159	0.00318	GEM BIDDING (National)
81	Multimeter digital	LCD Display	MMV	5 nos.	0.03835	0.19175	GEM BIDDING (National)
82	Oil can	0.5/0.25 liter capacity	MMV	4 nos.	0.00224	0.00896	GEM BIDDING (National)
83	Automotive oil pump for dismantling and assembling.	Standard	MMV	2 nos.	0.09204	0.18408	GEM BIDDING (National)
84	Outside micrometer	0 to 25 mm	MMV	2 nos.	0.03481	0.06962	GEM BIDDING (National)
85	Outside micrometer	25 to 50 mm	MMV	2 nos.	0.04425	0.0885	GEM BIDDING (National)
86	Outside micrometer	50 to 75 mm	MMV	1 no.	0.05015	0.05015	GEM BIDDING (National)

87	Outside micrometer	75 to 100 mm	MMV	1 no.	0.05487	0.05487	GEM BIDDING (National)
88	Philips Screw Driver set of 5 pieces (pozidrivandtorx drive)	100 mm to 300 mm	MMV	2 nos.	0.00696	0.01392	GEM BIDDING (National)
89	Piston ring compressor	Standard	MMV	2 nos.	0.01345	0.0269	GEM BIDDING (National)
90	Piston Ring expander and remover.	Standard	MMV	2 nos.	0.01628	0.03256	GEM BIDDING (National)
91	Piston Ring groove cleaner.	Standard	MMV	1 no.	0.01841	0.01841	GEM BIDDING (National)
92	Pliers flat nose	15 cm	MMV	2 nos.	0.00319	0.00638	GEM BIDDING (National)
93	Pliers round nose	15 cm	MMV	2 nos.	0.00319	0.00638	GEM BIDDING (National)
94	Pliers side cutting	15 cm	MMV	2 nos.	0.00319	0.00638	GEM BIDDING (National)
95	Portable electric drill Machine	Upto 10mm (heavy duty)	MMV	1 no.	0.13452	0.13452	GEM BIDDING (National)
96	Prick Punch	15 cm	MMV	4 nos.	0.00061	0.00244	GEM BIDDING (National)
97	Punch Letter 4mm (Number)	Standard	MMV	2 sets	0.0046	0.0092	GEM BIDDING (National)
98	Radiator cut section-cross flow	Radiator with sectioned side tanks, radiator core.	MMV	1 no.	0.1121	0.1121	GEM BIDDING (National)
99	Radiator cut section-down flow	Radiator with sectioned upper & lower tanks, radiator core and cap.	MMV	1 no.	0.1121	0.1121	GEM BIDDING (National)
100	Radiator pressure cap	LMV	MMV	2 nos.	0.0046	0.0092	GEM BIDDING (National)
101	Scraper Triangular	25 cm	MMV	2 nos.	0.00277	0.00554	GEM BIDDING (National)
102	Scriber	15 cm	MMV	2 nos.	0.00061	0.00122	GEM BIDDING (National)
103	Scriber with scribing black universal	Standard	MMV	2 nos.	0.04602	0.09204	GEM BIDDING (National)
104	Set of stock and dies -Metric	Standard	MMV	2 sets	0.08378	0.16756	GEM BIDDING (National)
105	Sheet Metal Gauge	Standard	MMV	2 nos.	0.00224	0.00448	GEM BIDDING (National)
106	Spanner T. flocks for screwing up and up-screwing inaccessible	Standard	MMV	2 nos.	0.06372	0.12744	GEM BIDDING (National)
107	Spanner, adjustable	15cm	MMV	2 nos.	0.00277	0.00554	GEM BIDDING (National)
108	Spark plug spanner 14mm x 18mm x Size	Long bit for Alto/800	MMV	2 nos.	0.0046	0.0092	GEM BIDDING (National)
109	Starter motor axial type, pre-engagement type & Co-axial type	Standard	MMV	1 each	0.32332	0.32332	GEM BIDDING (National)
110	Steel measuring tape in a case	10 meter	MMV	2 nos.	0.00277	0.00554	GEM BIDDING (National)
111	Steel rule 15 cm inch and metric	Standard	MMV	4 nos.	0.00045	0.0018	GEM BIDDING (National)
112	Straight edge gauge 2 ft.	Standard	MMV	2 nos.	0.01156	0.02312	GEM BIDDING (National)
113	Stud extractor set of 3	Standard	MMV	2sets	0.00637	0.01274	GEM BIDDING (National)
114	Stud remover with socket handle	Standard	MMV	1 no.	0.0092	0.0092	GEM BIDDING (National)
115	Surface gauge with dial test indicator plunger type	0.01 mm	MMV	4 nos.	0.06844	0.27376	GEM BIDDING (National)
116	Tachometer (Counting type)	Standard	MMV	1 no.	0.04484	0.04484	GEM BIDDING (National)

117	Tandem master cylinder with booster	Standard	MMV	4 nos.	0.11564	0.46256	GEM BIDDING (National)
118	Thermostat	Standard	MMV	2 nos.	0.0105	0.021	GEM BIDDING (National)
119	Thread pitch gauge Metric	Standard	MMV	2 nos.	0.00277	0.00554	GEM BIDDING (National)
120	Timing lighter	Standard	MMV	2 nos.	0.04366	0.08732	GEM BIDDING (National)
121	Torque wrenches	5-35 Nm, 12-68 Nm & 50-225 Nm	MMV	1 each	0.21004	0.21004	GEM BIDDING (National)
122	Turbocharger cut sectional view	Latest WGT type to show turbine, impeller and compressor wheels.	MMV	1 no.	0.58764	0.58764	GEM BIDDING (National)
123	Tyre pressure gauge with holding nipple	Standard	MMV	2 nos.	0.00814	0.01628	GEM BIDDING (National)
124	Universal puller for removing pulleys, bearings	Standard	MMV	1 no.	0.04602	0.04602	GEM BIDDING (National)
125	V' Block 75 x 38 mm pair with Clamps	Standard	MMV	2 nos.	0.10856	0.21712	GEM BIDDING (National)
126	Vacuum gauge	0 to 760 mm of Hg.	MMV	2 nos.	0.03186	0.06372	GEM BIDDING (National)
127	Valve Lifter	Standard	MMV	1 no.	0.03422	0.03422	GEM BIDDING (National)
128	Valve spring compressor universal	Standard	MMV	1 no.	0.03304	0.03304	GEM BIDDING (National)
129	Vernier calliper	0-300 mm with least count 0.02mm	MMV	4 nos.	0.09676	0.38704	GEM BIDDING (National)
130	Vice grip pliers	Standard	MMV	2 nos.	0.0105	0.021	GEM BIDDING (National)
131	Automotive Water pump for dismantling and assembling	Standard	MMV	4 nos.	0.15812	0.63248	GEM BIDDING (National)
132	Wire Gauge (metric)	Standard	MMV	2 nos.	0.0023	0.0046	GEM BIDDING (National)
133	Work bench	250 x 120 x 60 cm with 4 vices 12cm Jaw	MMV	4 nos.	1.60244	6.40976	GEM BIDDING (National)
134	Working model of Air Brake Assembly	Two brake drums, vehicular air compressor driven by suitable Electric Motor, air dryer, brake chamber . stop light, different valves, air pressure gauges. With all accessories	MMV	1 no.	2.1004	2.1004	GEM BIDDING (National)
135	Alternator assembly used for LMV	Alternator (>50 Amp)	MMV	1 no.	0.10502	0.10502	GEM BIDDING (National)
136	Carburetor – Solex, Mikunyu for dismantling and assembling	Solex, Mikunyu for dismantling and assembling	MMV	1 Each	0.27612	0.27612	GEM BIDDING (National)
137	Chain Pulley Block-3 ton capacity with tripod stand	3 ton capacity with tripod Stand	MMV	1 no.	0.32332	0.32332	GEM BIDDING (National)

138	Cut section Model of Mock layout of a motor car –electrical system working model	Wiring with parts and accessories of a car to be arranged according to the electrical circuit of a car. Working of Self-starter, Alternator, Wiper Motor, Horn, lighting system, sparks from plug to be shown with Distributor & battery. Should be mounted on suitable table.	MMV	1 no.	2.183	2.183	GEM BIDDING (National)
139	Cut section models of shock absorbers	Standard	MMV	1 no.	0.27612	0.27612	GEM BIDDING (National)
140	Cut section of cross ply and radial tyres	Standard	MMV	1 no.	0.31624	0.31624	GEM BIDDING (National)
141	Cut section working model of automatic transmission Gear box	Sectioned to show the internal mechanism of forward and reverse speeds.	MMV	1 no.	2.2302	2.2302	GEM BIDDING (National)
142	Cut section working model of centrifugal clutch assembly.	Centrifugal Clutch sectioned to show the internal details	MMV	1 no.	0.31624	0.31624	GEM BIDDING (National)
143	Cut section working model of Diaphragm clutch assembly.	Diaphragm Clutch sectioned to show the internal details	MMV	1 no.	0.32332	0.32332	GEM BIDDING (National)
144	Cut section working model of Single plate clutch assembly	Single plate Clutch sectioned to show the internal details	MMV	1 no.	0.27612	0.27612	GEM BIDDING (National)
145	Demonstration board of electronic Ignition system, ignition coil	With HT coil, HT wires, Spark Plugs, ignition switch, coil, distributor, battery, and wiring.	MMV	1 no.	1.1092	1.1092	GEM BIDDING (National)
146	Demonstration board of MPFI system	With injectors, rail, inlet manifold, throttle body, distributor, ECU, purge valve, sensor, crank pulley, fuel tank module.	MMV	1 no.	2.1004	2.1004	GEM BIDDING (National)
147	Disk brake in working condition with caliper assembly with all parts	Exhibiting Brake disc, Caliper assembly, tandem master cylinder, brake hoses, oil bottle, pedal, etc.	MMV	1 no.	0.46964	0.46964	GEM BIDDING (National)
148	Drum brake assembly in Working Condition	Brake drum, tandem master cylinder, oil container, brake hose, brake pedal.	MMV	1 no.	0.54044	0.54044	GEM BIDDING (National)
149	Front axle (Rzeppa Joint) with stand for Dismantling and assembly	Rzeppa joint of LMV.	MMV	1 no.	0.46492	0.46492	GEM BIDDING (National)
150	Full floating axle and semi-floating axle assembly	Drum & axle casing should be with all components in working condition.	MMV	1 no.	3.127	3.127	GEM BIDDING (National)

151	Functional/experiment model of different type of sensors.	With Different type of sensors like Throttle Position Sensor, Manifold Absolute Pressure Sensor, Engine Coolant Temperature Sensor, Vehicle Speed Sensor, Oxygen Sensor, Crankshaft Position Sensor, Camshaft Position Sensor, Intake Air Temperature Sensor, Mass Air Flow Sensor, Knock Sensor with ECU.	MMV	1 no.	2.183	2.183	GEM BIDDING (National)
152	Steering assembly – 1.Rack & pinion 2.Worm & roller 3. Recirculating ball 4.Power steering 5. Electric Assisted Power Steering	1. Rack & Pinion with steering wheel, column, tie rod end. 2. Worm & Roller steering assembly with drop arm. 3. Recirculating Ballsteering with pitman shaft and drop Arm. 4. Hydraulic working power steering with steering wheel, column, flow pipe, hydraulic pump, oil reservoir. 5. Electric Assisted Power Steering with Rack and pinion, Electric Motor and	MMV	1 each	2.1004	2.1004	GEM BIDDING (National)
153	Synchronous Gear box with stand for Dismantling and assembly	Gearbox with 5 Forward & 1 Reverse Gear	MMV	1 no.	1.593	1.593	GEM BIDDING (National)
154	Tandem master cylinder with booster	Working model	MMV	1 no.	0.11564	0.11564	GEM BIDDING (National)
155	Tubed tyre of car, trucks & motorcycle	Standard	MMV	1 each	0.38232	0.38232	GEM BIDDING (National)
156	Tubeless tyre of cars & trucks	Standard	MMV	1 each	0.5664	0.5664	GEM BIDDING (National)
157	Tyre& split rim wheel assembly	Standard	MMV	1 no.	0.3422	0.3422	GEM BIDDING (National)
158	Working Model of power windows	Showing parts like door, glass with motor and its gear arrangement and operating switch.	MMV	1 no.	0.7552	0.7552	GEM BIDDING (National)
159	Working model of torque converter	Model of LMV	MMV	1 no.	0.58764	0.58764	GEM BIDDING (National)
160	Air conditioned CRDI Vehicle in running condition -LMV	New vehicle with CRDI engine, 04 strokes, 04 cylinders, BS-IV, fitted with air condition.	MMV	1 no.	16.52	16.52	GEM BIDDING (National)
161	Arbor press hand operated	2 ton capacity	MMV	1 no.	0.3422	0.3422	GEM BIDDING (National)
162	Automotive exhaust 5 gas analyser (petrol & Diesel) and Diesel Smokemeter(Optional)	Exhaust 5 Gas Analyzer Petrol ARAI approved to check CO, CO ₂ , O ₂ , and HC& NO. Diesel Smoke Meter ARAI approved.	MMV	1 no.	5.487	5.487	GEM BIDDING (National)

163	Diesel Engine – CRDI - 4 stroke for Dismantling and Assembling with Swiveling Stand.	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine, 800-1600cc, in running condition, with ECM, BCM, and all sensors, wiring, fuel feed & cooling system & instrument cluster	MMV	1 no.	8.201	8.201	GEM BIDDING (National)
164	Diesel engine (Running condition) Stationary type single cylinder	Single Cylinder, OH valves, fuel tank with handle, fuel feed, water cooling, oil pump.	MMV	1 no.	0.9204	0.9204	GEM BIDDING (National)
165	Hydraulic jack HI-LIFT type	3 ton capacity, and 5 Ton capacity	MMV	1 each	0.54044	0.54044	GEM BIDDING (National)
166	Multi Scan Tool To scan Engine, ABS & EBD, AT, SRS, Body Control and immobilizer	Should perform automotive sensor simulation test specially designed to diagnose and simulate vehicle sensor faults for sensors like MAP sensor, Intake air temperature sensor, TP sensor etc	MMV	1 no.	2.1712	2.1712	GEM BIDDING (National)
167	Spring tension tester	Manually operated with analogue display.	MMV	1 no.	0.58292	0.58292	GEM BIDDING (National)
168	Trolley type portable air compressor	Belt driven compressor along with accessories	MMV	1 no.	0.44604	0.44604	GEM BIDDING (National)
169	Working Condition of Diesel Engine – CRDI - 4 stroke Engine, Assembly with fault simulation board	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine, with ECM, BCM and sensors, wiring, fuel feed, cooling system & instrument cluster. Fault setting bank for minimum 8 sensors and with diagnostic socket & Scanner to read the faults. Engine management circuit diagram to be printed on the panel board.	MMV	1 no.	7.027	7.027	GEM BIDDING (National)
170	Cut section of 4/6 cylinder diesel engine in moving condition to show movement of internal parts	6 cylinder diesel engine in working condition to show movement of internal parts	MMV	1 no.	7.021	7.021	GEM BIDDING (National)
171	Diesel Engine six Cylinder in running condition	Latest Diesel Engine CRDI 4 Stroke 6 Cylinders, Turbocharged Engine in running condition. All sensors, wiring, fuel feed, cooling system & instrument cluster	MMV	1 no.	14	14	GEM BIDDING (National)
172	Air bag simulator	Driver & Co Driver Air Bags, Seat belts with front seats, crash sensors, air bag ECU, Wiring Harness	MMV	1 no.	2.1004	2.1004	GEM BIDDING (National)
173	Air conditioning service Unit (Car)	Suitable for R134A. Recovery with vacuum pump, automatic drain & stop after recovery.	MMV	1 no.	3.127	3.127	GEM BIDDING (National)

174	Four stroke petrol engine with CNG setup-working condition	Latest 4 Stroke 3/4 cylinder MPFI Engine in running condition 800- 1600cc with ECM, BCM and all sensors, wiring, fuel feed system, cooling system& instrument cluster with CNG/ Petrol selection switch on Panel.	MMV	1 no.	7.021	7.021	GEM BIDDING (National)
175	Heavy Commercial vehicle	Fitted with Latest 06 cylinder CRDI diesel engine with all parts and accessories. (without body on frame)	MMV	1 no.	30.68	30.68	GEM BIDDING (National)
176	MPFI petrol engine with swiveling stand along with special tools for dismantling and assembling	Latest 4 Stroke 3/4 cylinder MPFI Engine in running condition 800- 1600cc with ECM, BCM and all sensors, wiring, fuel feed system, cooling system & instrument cluster	MMV	1 no.	4.425	4.425	GEM BIDDING (National)
177	Petrol Engine(2-stroke) Motor Cycle/Scooter along with special tools and accessories (Optional) * If not available in market video demonstration may be used to explain working.	Cut Section of 2 Stroke 2 W Engine Single Cylinder	MMV	1 no.	0.8142	0.8142	GEM BIDDING (National)
178	Transfer case with stand for Dismantling and assembly.	To show the gear mechanism of forward and reverse speeds.	MMV	1 no.	0.9322	0.9322	GEM BIDDING (National)
179	Tube/ tyre vulcanizing machine	220 V , Heater Capacity 400W x 2 With different types of Die &Mould	MMV	1 no.	0.77644	0.77644	GEM BIDDING (National)
180	Two post car lift – capacity 4000 kg	Hydraulic Type with Mechanical Arms Locking.	MMV	1 no.	3.009	3.009	GEM BIDDING (National)
181	Tyre Changer Machine	Motorized Pneumatic Type, Rim clamping facility, and bead breaking facility with air inflating device.	MMV	1 no.	2.301	2.301	GEM BIDDING (National)
182	Ultrasonic Injection cleaning equipment	Flow analysis & spray pattern test, leak test, auto programming mode, ultrasonic test with timer, Min 500 ML Lit SS Tank with Lid. SS Stand.	MMV	1 no.	1.003	1.003	GEM BIDDING (National)
183	Wheel alignment Machine – computerized 3D (Optional)	Latest machine for four wheel alignment. With connected camera , IR Lighting Source min. 8mm, Reflector metal based. should work in sunlight	MMV	1 no.	5.133	5.133	GEM BIDDING (National)
184	Wheel balancing machine	For wheel balancing of LMV. Motor 0.5 HP Shaft Diameter min 38mm. Hardened flange assy. Balancing catch nut of metal.	MMV	1 no.	3.363	3.363	GEM BIDDING (National)

185	Working Condition of Petrol MPFI Engine Assembly with fault simulation board	Latest 4 Stroke 3/4 cylinder MPFI in running condition,800-1600cc with ECM, BCM and all sensors, wiring, fuel feed system, cooling system & instrument cluster with Fault setting bank for minimum 6 sensors with diagnostic socket&Scanner to read the faults. Engine management circuit diagram to be printed on the panel board.	MMV	1 no.	5.487	5.487	GEM BIDDING (National)
186	Battery	Standard	MMV	1 no.	0.1062	0.1062	GEM BIDDING (National)
187	Brake fluids	Standard	MMV	1 no.	0.00944	0.00944	GEM BIDDING (National)
188	Chalk, Prussian blue	Standard	MMV	1 no.	0.00472	0.00472	GEM BIDDING (National)
189	Chemical compound for fasteners	Standard	MMV	1 no.	0.01062	0.01062	GEM BIDDING (National)
190	Diesel	Standard	MMV	1 no.	0.00118	0.00118	GEM BIDDING (National)
191	Different type gasket material	Standard	MMV	1 no.	0.02242	0.02242	GEM BIDDING (National)
192	Different type of oil seal	Standard	MMV	1 no.	0.02006	0.02006	GEM BIDDING (National)
193	Drill Twist (assorted)	Standard	MMV	1 no.	0.03186	0.03186	GEM BIDDING (National)
194	Emery paper	36–60 grit , 80–120	MMV	1 no.	0.00472	0.00472	GEM BIDDING (National)
195	Engine oil & Engine coolant	Standard	MMV	1 no.	0.0177	0.0177	GEM BIDDING (National)
196	Gear oils	Standard	MMV	1 no.	0.00826	0.00826	GEM BIDDING (National)
197	Hacksaw blade (consumable)	Standard	MMV	1 no.	0.00006	0.00006	GEM BIDDING (National)
198	Holders, lamp teakwood boards, plug sockets,	Standard	MMV	1 no.	0.02124	0.02124	GEM BIDDING (National)
199	Hydrometer	Standard	MMV	5 nos.	0.00106	0.0053	GEM BIDDING (National)
200	Lapping abrasives	Standard	MMV	1 no.	0.02124	0.02124	GEM BIDDING (National)
201	Petrol	Standard	MMV	1 no.	0.00148	0.00148	GEM BIDDING (National)
202	Power steering oil	Standard	MMV	1 no.	0.00531	0.00531	GEM BIDDING (National)
203	Radiator Coolants	Standard	MMV	1 no.	0.00295	0.00295	GEM BIDDING (National)
204	Safety glasses	Standard	MMV	1 no.	0.00028	0.00028	GEM BIDDING (National)
205	Steel wire Brush	50mmx150mm	MMV	5 nos.	0.00224	0.0112	GEM BIDDING (National)
206	Instructor's table and Chair	Steel	MMV	1 no.	0.21004	0.21004	GEM BIDDING (National)
207	Students chairs with writing pads	Standard	MMV	24 Nos	0.04012	0.96288	GEM BIDDING (National)
208	White board size	1200mm X 900 mm	MMV	1 no.	0.1298	0.1298	GEM BIDDING (National)
209	Instructors lap top with latest configuration pre-loaded with operating system and MS Office package.	Standard	MMV	1 no.	1.003	1.003	GEM BIDDING (National)
210	LCD projector with screen.	Standard	MMV	1 no.	0.5664	0.5664	GEM BIDDING (National)
211	Trainees locker	6½ ' x 3' x 1½'	MMV	1 no.	0.3186	0.3186	GEM BIDDING (National)
212	Drawing board	(700mm x500 mm) IS: 1444	MMV	50 Nos	0.01062	0.531	GEM BIDDING (National)

213	Mini drafter	Standard	MMV	50 Nos	0.00531	0.2655	GEM BIDDING (National)
214	Set square	celluloid 45° (250 X 1.5 mm)	MMV	50 Nos	0.00295	0.1475	GEM BIDDING (National)
215	Stool for trainees	Standard	MMV	50 Nos	0.02124	1.062	GEM BIDDING (National)
216	Cupboard (big)	Standard	MMV	1 no.	0.2714	0.2714	GEM BIDDING (National)
217	White Board	8ft. x 4ft.	MMV	1 no.	0.1534	0.1534	GEM BIDDING (National)
218	Trainer's Table	Standard	MMV	1 no.	0.2242	0.2242	GEM BIDDING (National)
219	Trainer's Chair	Standard	MMV	1 no.	0.02714	0.02714	GEM BIDDING (National)
220	Draughtsman drawing instrument box	Standard	MMV	50 Nos	0.01534	0.767	GEM BIDDING (National)
221	Draughtsman table	Standard	MMV	50 Nos	0.02124	1.062	GEM BIDDING (National)

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