

Sl.No.	Trade	Item Code	Name of the Equipment/ Machinery	Specification	NAME OF THE ITI & QUANTITY												Total Quantity Required					
					Govt. ITI, Rajam	Govt. ITI, Bobbili	Govt. ITI (Old), Visakhaatnam	Govt. ITI, Kakinada	Govt. ITI, Bhimavaram	Govt. ITI, Vijayawada	Govt. ITI, Tenali	Govt. ITI Boys, Ongole	Govt. ITI, Boys Nellore	Govt. ITI Girls, Nellore	Govt. ITI, Tada	Govt. ITI, Chittoor		Govt. ITI, Tirupathi	Govt. ITI, Srisilam	Govt. ITI, Chakrapeta		
136	Mechanic Motor Vehicle	MMV-E066	Ultrasonic Injection cleaning equipment	Name of the Item: Ultrasonic injection cleaning equipment Technical Specifications: Injector Cleaner & Tester Voltage: 100~240V Power: 24W Certification: ISO CE Applicable Models: All cars Cylinder number: 6 Rotation speed: 0~9950r/min; step: 50r/min Pulse width: 0-20ms; step: 0.1ms Count: 0-9950; step: 50 System pressure: 0~0.6Mpa Fuel tank capacity:2.5L Test tube capacity: 120ml Power supply: 110/220V, 50/60Hz N.W / G.W: 36 / 42kg with operating manual and excise duty clearance certificate. Features: Standard ISI Certified Test range: MPI, CIS, MONO, TBI injector (top feed and side feed); 6 Cylinders injectors Tester and Cleaner; Injector fuel distribution and delivery checking, leakage hunting, injector cleaning; Automatic operation: Engine idle, Middle speed; High speed working condition simulation; Drain the test liquid from the tube automatically; Separated ultrasonic bath with timer; Test liquid pressure tracking and stabilization automatically; Adjust oil pressure electronically/Special oil rail; With movable dolly. Warranty: One year Manuals: English language user manual to be provided. Training : In house training to be provided to the Instructors of the Institute.	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	2	
137	Mechanic Motor Vehicle	MMV-E067	Wheel alignment Machine -computerised 3D	3D	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1		
138	Mechanic Motor Vehicle	MMV-E068	Wheel balancing machine	Name of the Item: Wheel balancing machine (Digital type) Technical Specifications:Digital Wheel BalancerMeasurement Accuracy Measurement RangeBalancing Accuracy 1g, Cycle Time 5 – 8 sec, Rim Width 1.5" – 20"Rim Diameter 10" – 30", Wheel Max. Diameter 860 mmWheel Max. Weight 65 Kg, Power Supply 230V, 1Ph, 50 HzProtection Class IP 54, Balancing Speed 100 rpm with standard accessories with excise duty clearance certificate along with operating manual. Features:Standard ISI Certified Optimization program for tyre and rim unbalanceAutomatic minimization of static unbalanceVDD (Virtual Direct Drive – CEMB Patent) – In traditional method the Position Pick up & position sensors are kept closure to the shaft whereas in VDD technology Position Pick Up are replaced with a revolutionary technology of direct pick – up from the drive shaft assemblyApplication:Passenger Vehicle (PV),Light Commercial Vehicle (LCV),Tyre shopWarranty:One year Manuals: English language user manual to be provided.Training : In house training to be provided to the Instructors of the Institute.	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
139	Mechanic Motor Vehicle	MMV-E069	Working Condition of Petrol MPFI Engine Assembly with fault	Latest 4 Stroke 3/4 cylinder MPFI in running condition,1000-1600cc 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 with movable stand	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1		
140	Mechanic Motor Vehicle	MMV-E070	Rack & Pinion STEERING GEAR BOX	1. Rack & Pinion with steering wheel, column, tie rod end with stand	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1		
141	Mechanic Motor Vehicle	MMV-E071	Worm & Roller steering mechanism with stand	Worm & Roller steering mechanism with stand	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1		
142	Mechanic Motor Vehicle	MMV-E072	Recirculating Ball type steering gear box	Recirculating Ball type steering gear box along with tie rod ends with stand	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	2		
143	Mechanic Motor Vehicle	MMV-E073	Power Steering	4. Hydraulic working power steering with steering wheel, column, flow pipe, hydraulic pump, oil reservoir with stand	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1		
144	Mechanic Motor Vehicle	MMV-E074	Electrical Assisted Power Steering	5. Electric Assisted Power Steering with Rack and pinion, Electric Motor and Motor Control Module with stand	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1		
145	Mechanic Motor Vehicle	MMV-E075	Air bag simulator	Driver & Co Driver Air Bags, Seat belts with front seats, crash sensors, air bag ECU, Wiring Harness fitted on Board	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1		
146	Mechanic Motor Vehicle	MMV-E076	Disc Brake in working condition with caliper assembly with all parts	Disk brakes system for LMV on stand working model(Caliper ,Brake linings,Brake pedal,Reservoier,Master cylinder, Dual Discs on stand	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	3		
147	Mechanic Motor Vehicle	MMV-E077	Demonstration Board of Electronic Ignition System, Ignition Coil	Name of the Item:Demonstration board of electronic Ignition system, ignition coil Technical Specifications:1. Actual electronic ignition coil with circuit showing all the parts on the board.2. All Parts ECU, SENSORS, ACTUATOR, fitted with crank shaft & cam shaft in working condition fitted with board. Features:Standard ISI Certified Warranty:One year Manuals: English language user manual to be provided. Training: In house training to be provided to the Instructors of the Institute.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	
148	Mechanic Motor Vehicle	MMV-E078	Demonstration Board of MPFI System	TName of the Item: Demonstration board of MPFI system Technical Specifications: This open demonstration Board will be made of original parts such as petrol injector, inlet manifolds, throttle body, distributor, ECU, canister purge valve, carbon canister, fuel tank module, supporting sensors such as lambda sensor, engine speed sensor, cam position sensor, oxygen sensor, airflow sensor, MAP sensor, etc., with necessary wiring connections to show the circuit connections. Features: Standard ISI Certified Warranty: One year Manuals: English language user manual to be provided. Training : In house training to be provided to the Instructors of the Institute.	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	3	
149	Mechanic Motor Vehicle	MMV-E079	Diesel Engine(Running Condition) Stationary Type Single Cylinder	Single Cylinder, OH valves, fuel tank with handle, fuel feed, water cooling, oil pump.	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1		

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150	Mechanic Motor Vehicle	MMV-E080	Four stroke petrol engine with CNG setup- working condition	Latest 4 Stroke 3/4 cylinder MPFI in running condition,1000-1600cc with ECM, BCM and all sensors, wiring, fuel feed system, cooling system, instrument cluster & with CNG/ Petrol selection switch on Panel. Latest CNG kit.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
151	Mechanic Motor Vehicle	MMV-E081	Functional/experiment model of different type of sensors.	The instruction board adopts the real components of electronic fuel injection system to illustrate engine fuel system structure and working principle. The components are rigged onto colour circuit diagram. And made functional. Features 1. Real and operable engine fuel injection system is assembled onto a colour printed board to illustrating the structure and working process . 2. Coloured circuit diagram on the training Module printed on to 6mm organic glass base. Where in the students can compare the diagram and actual diagram. 3. Detection terminals for operator to detect various sensors, actuators, electrical signals for engine control unit, such as resistive,voltage, current , frequency and wave form signals are provided on to the printed circuit diagram. 4. The training module is fitted with diagnostic socket (DLC) for universal automobile decoder (Scan tool) to read fault codes, clear fault codes and read data stream. 5. Fault setting switch bank will be provided to induce faults in the training module to demonstrate the fault and to diagnose faults. 6. Set the line break, groundingshort circuit, improper contact or open circuit faults can be induced, user can adjust the number and type of faults. 7. Good working condition Parts will be provided with fuel tank. The instruction board has to be connected to 220V AC socket Which changes to 12V DC internallyso that the board works withoutbattery. 8. The training module is fabricated using steel pipe frame with spray painted for good looks and the entire setup is provided with caster wheels with brakes for easy movement of the same.	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
152	Mechanic Motor Vehicle	MMV-E082	Heavy Commercial vehicle	Fitted with Latest 06 cylinder CRDI diesel engine with all parts and accessories. (without body on frame)	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
153	Mechanic Motor Vehicle	MMV-E083	Working Model of Toque Converter	Name of the Item: Torque converter Technical Specifications: Made out of original new parts, will be suitably sectioned to demonstrate the internal construction details showing the minute information, and working of the same, the model will be suitably painted and mounted on a navopan wooden base (Brand New) with manual Features: Standard ISI Certified Warranty: One year Manuals: English language user manual to be provided. Training : In house training to be provided to the Instructors of the Institute.	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
154	Mechanic Motor Vehicle	MMV-E084	Working Condition of Diesel Engine – CRDI- 4 stroke Engine, Assembly with fault simulation board	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine,1100-2200cc with ECM, BCM and sensors, wiring, fuel feed, cooling system, instrument cluster with Fault setting bank for minimum 8 sensors and with diagnostic socket to read the faults. Engine management circuit diagram to be printed on the panel board.	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
155	Mechanic Motor Vehicle	MMV-E085	Working Condition of Petrol MPFI Engine Assembly with fault simulation board	Latest 4 Stroke 3/4 cylinder MPFI in running condition,1000-1600cc 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 with movable stand	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
156	Mechanic Diesel	MD-E001	Ammeter DC with external shunt	300A/ 60A DIGITALType	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
157	Mechanic Diesel	MD-E002	Angle plate adjustable	made from cast iron with 0-3 grade.Flatness of Working Faces 8um. Squareness of working face is 18um.Adjustable 250 x 150 x 175 with angle setting facility	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2
158	Mechanic Diesel	MD-E003	Angle plate size	made from cast iron with 0-3 grade. Of high tensel casting. Flatness of Working Faces 8um. Squareness of working face is 18um.Size 200 x 100 x 200mm solid 900 angled type cast Steel make	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
159	Mechanic Diesel	MD-E004	Anvil with Stand	50 Kgs cast iron anvil with stand	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	0	2	
160	Mechanic Diesel	MD-E005	Auto Electrical test bench	4*4 feet ,2hp 1phase, 220v 15amps, alternator load 75amp 12v starter test built in DC supply.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	
161	Mechanic Diesel	MD-E006	Battery –charger	Battery Charger 6V-24V Single Phase, Table top type with connecting cables and clips(5mtrs lead) wit voltage and current indicator, over charge protector, Branded	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	2
162	Mechanic Diesel	MD-E007	Belt Tensioner gauge	Name of the Item: Belt Tensioner gauge Technical Specifications: Technical Specifications: Tensioning all automotive V-belts up to, and including, 7/8" top widths. Instructions for Product use. Scale to reads in pounds and kilograms. Measures tension from 30 to 160 lbs., and 15 to 75 kg. Features: Standard ISI Certified Warranty: One year digital type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
163	Mechanic Diesel	MD-E008	Car Jet washer with standard accessories	1phase, water flow 8lpm, pressure 130bar, pump rpm 2800, power/v 3hp, 220v, 50hz,	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
164	Mechanic Diesel	MD-E009	Chain Pulley Block capacity with tripod stand	3 ton	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	2	
165	Mechanic Diesel	MD-E010	Compression testing gauge suitable for diesel Engine with standard accessories	instrument for controlling compression on Diesel engines.Pressure=8 to 40 bar (8-40 calibration for Diesel engine models.).unit weight=2.4kg,dimension of box set=440x370x100 mm.Full set of Diesel engine false injectors or false heater plugs. Provided with accessories:- Set of 5 replacement rubbers. - Set of spare cards 4-17. - Set of spare cards 8-40. - Adapter for M 12 spark plugs.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	2
166	Mechanic Diesel	MD-E011	Connecting rod alignment fixture	Used to check and correct the amount of twisting or bending of the following links in a 6110 automotive engine. Applicable to mini-car, brigade, any card within the car.Cheap, easy to operate, cost-effective, is the auto repair professional departments and tertiary institutions teaching aids to do the ideal equipment.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1

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167	Mechanic Diesel	MD-E012	Cylinder bore gauge capacity	20 to 160 mm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4
168	Mechanic Diesel	MD-E013	Cylinder liner- Dry & wet liner, press fit & slidefit liner(one each)	Name of the Item: Cylinder liner Technical Specifications: Dry liner, press fit & slide fit liner (1 No. each) Features: Standard ISI Certified Warranty: One year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
169	Mechanic Diesel	MD-E014	DC Ohmmeter	0 to 300 Ohms	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
170	Mechanic Diesel	MD-E015	Different type of Engine Bearing model	Name of the Item: Shell bearing Technical Specifications: Different type of Shell bearing & Side Thrust. (1 No. each) Features: Standard ISI Certified Warranty: One year, Name of the Item: Roller bearing Technical Specifications: Different type of Roller Bearing ie, Taper Roller, Straight Roller, Needle bearing, Pilot Bearing, Double Taper Roller bearing, Double Needle bearing, Double Roller Pilot Bearing. (1 No. each) Features:Standard ISI Certified Warranty:One year with disply board	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	2
171	Mechanic Diesel	MD-E016	Different type of piston model	Different Type of Piston Model for demonstration and instruction,min four types to be supplied like Trunk pistons, .crosshead pistons,slipper pistons, deflector pistons(one each)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
172	Mechanic Diesel	MD-E017	Fuel feed pump for Diesel	The model of fuel feed pump is made out of original NEW feed pump.The model is mounted on to a wooden base and it is suitably painted.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
173	Mechanic Diesel	MD-E018	Fuel injection pump (Diesel) inline	Name of the Item: Fuel injection pump Technical Specifications: Fuel injection pump (Diesel) inline (6 cylinders New) With Complete Basic setting Chart. Features: Standard ISI Certified Warranty: One year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
174	Mechanic Diesel	MD-E019	Fuel injection pump dismantling tool kit /Universal Vice	Fuel injection pump dismantling tool kit/Universal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
175	Mechanic Diesel	MD-E020	Fuel injection pump VE pump / Distributor fuel rotary pump (DPC) pumps / along with special tools and accessories	Fuel injection pump, VE pump / Distributor fuel rotary pump (DPC) pumps/ alongwith special tools and accessories, for demonstration and practice, both rotary and inline FIPs to be provided	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2
176	Mechanic Diesel	MD-E021	Glow plug tester	Name of the Item: Glow plug tester Technical Specifications: A standard glow plug tester for checking fault detection through LED,s for a quick analysis, short circuit, over current, normal operations, open circuit/ under current. It must allows for testing without removing glow plug from Engine. It should powers the glow plug to test the plug in its operating state. Internal 9V battery & low warning indicator • Auto shut-off when not being used Features: Standard ISI Certified Warranty: One year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
177	Mechanic Diesel	MD-E022	Growler	Growler - external meter type checking capacity from 10 to 200 mm dia and or checking the reverse coil defective winding and complete for commutator ground test switch and test lead dimensions	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	4
178	Mechanic Diesel	MD-E023	Hand Shear Universal	250mm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
179	Mechanic Diesel	MD-E024	Injector - Multi hole type, Pintle type	Flow rate at 100 bar (n-heptane) up to 1,640 g/min Appx Number of holes - 4 to 7 holes (typical) Appx Spray type - Multi hole Spray angle overall - 110° (typical) Appx Spray angle single beam - 8 to 20° Appx Static flow tolerance - ±5 % Appx Dynamic flow tolerance - ±6 % at ti = 1.5 ms Appx Leakage - ≤2.5 mm³/min at 23°C Appx	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	8	12
180	Mechanic Diesel	MD-E025	Injector testing set (Hand tester)	Name of the Item: Injector testing set Technical Specifications: Injector testing set (Hand tester) for testing of cars, trucks etc. Features: Standard ISI Certified Warranty: One year	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
181	Mechanic Diesel	MD-E026	Lifting jack screw	3 ton, 5ton & 20 Ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
182	Mechanic Diesel	MD-E027	Multimeter digital	DC Voltage 0.1mV ~ 1000V +(0.5% + 4digit) AC Voltage 0.1mV ~ 750V; DC Current 0.1uA ~ 20A; AC Current 0.1uA ~ 20A Resistance 0.1Ω ~ 40MΩ ;Capacitance 10pF ~ 200uF; Frequency 0.1Hz ~ 30MHz; Celsius - 40degree C ~ 1000 degree C; hFE (NPN or PNP) 0 ~ 1000; Standard Accessories: Test Leads, Holster, Manual, TP 01 Temperature Probe Bead type	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5
183	Mechanic Diesel	MD-E028	Portable electric drill Machine	Electric drill 230W 6.5mm Chuck capacity Ø6.5mm Power input 230W No load speed 0-4,500/min Mains voltage 220-240V~, 50Hz Frequency 50Hz Includes Chuck key	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
184	Mechanic Diesel	MD-E029	Radiator cut section-cross flow	This model is made out of original NEW part, will be suitably sectioned to demonstrate the internal construction details showing the minute information Radiator cut section-showing cross flow, side tank, radiator core (fins) and radiator cap, the model will be suitably painted and mounted on a metal stand.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
185	Mechanic Diesel	MD-E030	Radiator cut section-down flow	This model is made out of original NEW part, will be suitably sectioned to demonstrate the internal construction details showing the minute information Radiator cut section-showing cross flow, side tank, radiator core (fins) and radiator cap, the model will be suitably painted and mounted on a metal stand.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
186	Mechanic Diesel	MD-E031	Radiator pressure cap	The Radiator pressure cap will be mounted on wooden Basewith NEW Parts.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
187	Mechanic Diesel	MD-E032	Tinnman's Shear	450 mm x 600mm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	4	
188	Mechanic Diesel	MD-E033	Tinnman'sShear	300mm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	6	

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189	Mechanic Diesel	MD-E034	Tandem master cylinder with booster	This Tandem master cylinder with booster is to be used with Working model of Tandem master cylinder with booster NEW Tandem master cylinder booster assembly piston .Pistonspring primary cup secondary cupstop booster stop washer check valves rubber valve seat . Push rod Reservoir tank pipe fiber cap warning light switch with vacuum servo operating through a alternator vacuum pump which will be operated by an Electronic Motor, the entire system will be mounted on sturdy iron frame.(cut section on board)	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4		
190	Mechanic Diesel	MD-E035	Temperature gauge with sensor	0-100 OC	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2		
191	Mechanic Diesel	MD-E036	Turbocharger cut sectional view	Cut Section Model of Turbocharger of Automobile suitably Painted and Mounted on Wooden Board	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1		
192	Mechanic Diesel	MD-E037	Water pump for dismantling and assembling	The water pump will be mounted on wooden Base with NEW Parts.	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	4		
193	Mechanic Diesel	MD-E038	Bench lever shears	250mm Blade x 3 mm capacity	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2		
194	Mechanic Diesel	MD-E039	Diesel Engine – CRDI - 4 stroke for Dismantling and assembling with	life size Name of the Item: Diesel Engine (Running condition) Stationary type Technical Specifications: Engine displacement :-2500 cc Diesel engine (Running condition) Stationary type, 4 cylinder (New) Features:Standard ISI Certified Warranty:One year with caster wheels movable stand	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1		
195	Mechanic Diesel	MD-E040	Diesel engine (Running condition) Stationary type	Diesel Engine (Running condition) Stationary type Technical Specifications: Engine displacement :-2500 cc Diesel engine (Running condition) Stationary type, 4 cylinder (New) Features:Standard ISI Certified Warranty:One year with stand	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1		
196	Mechanic Diesel	MD-E041	Working Condition of Diesel Engine – CRDI - 4 stroke Engine, Assembly with fault simulation board	Latest 4 Stroke 4 cylinder turbo charged CRDI Engine,1100-2200cc with ECM, BCM and sensors, wiring, fuel feed, cooling system, instrument cluster with Fault setting bank for minimum 8 sensors and with diagnostic socket to read the faults. Engine management circuit diagram to be printed on the panel board.	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	3		
197	Mechanic Diesel	MD-E042	CUT section model 4/6 cylinders Diesel Engine Moving condition in running condition	Cut section of 4/6 cylinder diesel engine with moving condition to show momentum of internal parts with stand & specification chart/ board	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	4		
198	Mechanic Diesel	MD-E043	Diesel Engine six Cylinder in running condition	Diesel Engine (Running condition) Stationary type Technical Specifications: Engine displacement :-2500 cc Diesel engine (Running condition) Stationary type, 4 cylinder (New) Features:Standard ISI Certified Warranty:One year with stand	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	3		
199	Mechanic Diesel	MD-E044	Fuel injection test bench for calibration of fuel pump	test bench capable of accurately testing and calibrating all types of diesel fuel injection pumps including Common rail / CRDI pumps and injectors up to 6 cylinders Main Motor 5 HP, 7.53 Phase, 440 V / 220 V, 50 Cycles in 8 Cylinders & 7.5HP, 3 Phase, 440 V, 50 Cycles in 12 Cylinders	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1		
200	Mechanic Diesel	MD-E045	Automotive exhaust 5 gas analyser (petrol & Diesel) or Diesel Smokemeter	Name of the Item: Automotive exhaust 5 gas analyzer (petrol & Diesel) Technical Specifications: Features: 32 bit microprocessor based exhaust gas Analyzer, Easy to use bench top design, declaration of conformity to OIML, class 9 ISO 3930, ideal for fault finding and regulated testing measure, Co,HC,Co2, O2 and Lambda, Fast warm up time and fast response time , RPM and oil Temperature Measurement, Print result via RS 232 and CNG Vehicles. Product standard :OIML class 0, ISO 3930 PC with monitor 21" & colour printer to be supplied as Std accessory. Measured Gases: Using NDIR bench CO/COs/HC using electrode -chemical cells, O2 Lambda: 0.5-2.0 power supply: 100-300 V/1 Ph/50-60 Hz RPM: 2,4 stroke, DIS 2-12 cylinder warm up time 120 sec. Fuel type: Petrol, LPG, CNG weight: 5 kg (approx) probe insertion length: 300mm Ambient operating Range + 5 deg to +45 deg ARAI approved, CE certified and ISO certified. Features:Standard ISI Certified Warranty: One year Manuals: English language user manual to be provided.Training : In house training to be provided to the Instructors of the Institute.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
201	Mechanic Diesel	MD-E046	Discrete Component Trainer / Basic Electronics Trainer	Electrical & Electronic System Trainer, Master/Main Unit(full spec) consisting of multi O/P Power Supplies, 8 Combinations of measurement using 3DPMs, FGs, Probe pulsar (2No.), AC Meter(A/V), logic switches/indicators etc.Model - XPO-CT + Discrete component Panel (DCP) + Semiconductor & Power semiconductor devices experiment panel (P3). Discrete Component (for diode and transistor circuit) with regulated power supply +5,0- 5 V,+12 ,0-12 V	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2	
202	Mechanic Diesel	MD-E047	Drilling machine bench to drill up to 12mm dia along with accessories	bench to drill up to 12mm dia, 1 HP Motor with Drill chuck and 100mm machine vice with concrete bed	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2	
203	Mechanic Diesel	MD-E048	Dual Magnetization Yoke	AC / HWDC, 230 VAC, 50Hz A/D (AC/HWDC 230V) Package Dual Magnetization Yoke including Standard Accessories : Thermacol Moulded Carrying Case – 1 No.ASTM Test Block – 1 No Pie Gauge – 01 NoPuffer Bulb – 1 NoDry Magnetic Powder –1 Kg Operations Manual With Test & Calibration Certificate	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	2	

Sl.No.	Trade	Item Code	Name of the Equipment/ Machinery	Specification	NAME OF THE ITI & QUANTITY													Total Quantity Required						
					Govt. ITI, Rajam	Govt. ITI, Bobbili	Govt. ITI (Old), Visakhapatnam	Govt. ITI, Kakinada	Govt. ITI, Bhimavaram	Govt. ITI, Vijayawada	Govt. ITI, Tenali	Govt. ITI Boys, Ongole	Govt. ITI, Boys Nellore	Govt. ITI Girls, Nellore	Govt. ITI, Tada	Govt. ITI, Chittoor	Govt. ITI, Tirupathi		Govt. ITI, Srisaillam	Govt. ITI, Chakrapeta				
213	Mechanic Diesel	MD-E058	Gas Welding Table	1220mm x760mm Name of the Item: Gas Welding Table Technical Specifications: Suitable Gas Welding Table size 1220mm x760mm made with 40x40x5mm angle iron and top tray covered with 5mm M S sheet, with positioner suitable for all weld positions. Top tray covered with refractory bricks with all accessories as per IS specifications. Features:Standard ISI Certified Warranty:One year	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
214	Mechanic Diesel	MD-E059	Hydraulic jack HI-LIFT type -3 ton capacity, and 5 Ton capacity	Name of the Item: Hydraulic jack Technical Specifications: Hydraulic jack HI-LIFT type , 3 Ton capacity Features:Standard ISI Certified Warranty.One year(one each)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
215	Mechanic Diesel	MD-E060	Instructors lap top	17 ,8GB ram Windows 11 Multy media enabled 21 inch monitor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
216	Mechanic Diesel	MD-E061	Liquid penetrate inspection kit	3 bottle set 280ml	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
217	Mechanic Diesel	MD-E062	Oscilloscope 20MHz	Ref: Annexure-2 vi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	
218	Mechanic Diesel	MD-E063	Starter motor axial type, pre- engagement type & Co-axial type	(1 each) The model of demonstration sectionised model of Starter motor is been made out of original NEW Starter motor. The Starter motor is suitably section to show the internal details. The entire system is been suitably painted and mounted on wooden base.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
219	Mechanic Diesel	MD-E064	Tin smiths bench folder	600 x 1.6mm	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
220	Mechanic Diesel	MD-E065	Work bench	250 x 120 x 60 cm with 4 Workshop work bench made out of 50 X 6mm, branded angle frame with40MMx120CM WOOD PANELS DUALY PAINTED over 2 coats of priemer with 4 no.s vicesof IS standards with 3 years warranty.	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	8	10	
GRAND TOTAL					14	7	26	125	0	0	0	15	57	10	0	18	12	83	122	489				

Sd/- B.Lavanya Veni,

DIRECTOR

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for DIRECTOR
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