

STRIVE PROJECT

GOVT .I.T.I., CHITTOOR

(GR28000335)

PROCUREMENT PLAN

(As per ISP Collect App)

ABSTRACT

1ST INSTALLMENT PROCUREMENT PLAN PACKAGE AND AMOUNT WISE AS PER ISP COLLECT APP

S.NO.	PACKAGES	TOTAL AMOUNT (IN LAKHS)	REMARKS
1	Package-1 : TOOLS, EL & MD	34.9211	
2	Package-2 (COPA& DC Equipment)	31.4516	
3	Package-3 (MC & MV Equipment)	33.0225	
TOTAL		99.3952	

GOVT.I.T.I, CHITTOOR (GR28000335)
CHITTOOR

PROCUREMENT PLAN SUBMITTED BY IMC Govt. ITI., CHITTOOR UNDER STRIVE PROJECT

A. ITEMS TO BE PROCURED IN YEAR -01
COST : 100.00 LAKHS

NAME OF THE INSTITUTE : GOVT.I.T.I., CHITTOOR, A.P. (GR28000335)

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
	Package-1 : TOOLS, EL & MD						
1	Measuring Steel Tape	5 meter	ELECTRICIAN DTO & ATO	40	0.0008	0.0320	Competitive Bidding
2	Combination Plier Insulated	200 mm	ELECTRICIAN DTO & ATO	21	0.0045	0.0945	Competitive Bidding
3	Punch Centre	9mm X 150 mm	ELECTRICIAN DTO & ATO	24	0.0003	0.0079	Competitive Bidding
4	Steel Rule Graduated both in Metric and English Unit	300 mm with precision of 1/4th mm	ELECTRICIAN DTO	39	0.0008	0.0322	Competitive Bidding
5	Hammer, cross peen with handle	250 grams	ELECTRICIAN DTO	15	0.0007	0.0099	Competitive Bidding
6	Pincer	150 mm	ELECTRICIAN DTO	3	0.0022	0.0066	Competitive Bidding
7	Spanner Adjustable drop forged, SS	150 mm & 300mm	ELECTRICIAN DTO	4	0.0010	0.0040	Competitive Bidding
8	Chisel Cold	25 mm X 200 mm	ELECTRICIAN DTO	2	0.0010	0.0020	Competitive Bidding
9	Bradawl		ELECTRICIAN DTO	1	0.0007	0.0007	Competitive Bidding
10	Pipe vice Cast Iron with hardened jaw open type	100 mm	ELECTRICIAN DTO	1	0.0380	0.0380	Competitive Bidding
11	Scissors blade, SS	200mm	ELECTRICIAN DTO	2	0.0016	0.0032	Competitive Bidding
12	Crimping Tool	1.5 sq mm to 16 sq mm 16 sq mm to 95 sq mm RJ-45	ELECTRICIAN DTO ELECTRICIAN DTO COPA	2 1 5	0.0180 0.0180 0.0200	0.0360 0.0180 0.1000	Competitive Bidding Competitive Bidding Competitive Bidding
13	Outside Calliper	150 mm spring type	ELECTRICIAN DTO	1	0.0083	0.0083	Competitive Bidding
14	Inside Calliper	150 mm spring type	ELECTRICIAN DTO	1	0.0083	0.0083	Competitive Bidding
15	Divider	150 mm spring type	ELECTRICIAN DTO	2	0.0006	0.0011	Competitive Bidding

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16	D.E. metric Spanner Double Ended	6 - 32 mm	ELECTRICIAN DTO	1	0.0176	0.0176	Competitive Bidding
17	Drill hand brace	0-100mm	ELECTRICIAN DTO	4	0.0077	0.0308	Competitive Bidding
18	Gauge, wire imperial stainlees steel marked in SWG & mm	Wire Gauge - Metric	ELECTRICIAN DTO & ATO	4	0.0010	0.0040	Competitive Bidding
19	File flat	200 mm 2nd cut with handle	ELECTRICIAN DTO	8	0.0012	0.0097	Competitive Bidding
20	File half round	200 mm 2nd cut with handle	ELECTRICIAN DTO	4	0.0012	0.0048	Competitive Bidding
21	File round	200 mm 2nd cut with handle	ELECTRICIAN DTO	4	0.0012	0.0048	Competitive Bidding
22	File flat rough	150 mm with handle	ELECTRICIAN DTO	4	0.0011	0.0044	Competitive Bidding
23	File flat bastard	250 mm with handle	ELECTRICIAN DTO	4	0.0014	0.0057	Competitive Bidding
24	File flat smooth	250 mm with handle	ELECTRICIAN DTO	8	0.0014	0.0114	Competitive Bidding
25	De soldering Gun	Heat proof nozzle, PVC type, 250mm	ELECTRICIAN DTO	4	0.0010	0.0040	Competitive Bidding
26	Table Vice	100 mm jaw	ELECTRICIAN DTO	3	0.0044	0.0132	Competitive Bidding
27	Oil Can	250 ml	ELECTRICIAN DTO	1	0.0085	0.0085	Competitive Bidding
28	Contactor & auxiliary contacts	3 phase, 415 Volt, 25 Amp with 2 NO and 2 NC	ELECTRICIAN DTO	2	0.0028	0.0055	Competitive Bidding
29	Contactor & auxiliary contacts.	3 phase, 415 volt, 32 Amp with 2 NO and 2 NC	ELECTRICIAN DTO	2	0.0099	0.0198	Competitive Bidding
30	Limit Switch	Limit Switch, Liver operated 2A 500v, 2-contacts	ELECTRICIAN DTO & ATO	4	0.0022	0.0088	Competitive Bidding
31	Rotary Switch	16 A/440v	ELECTRICIAN DTO	2	0.0055	0.0110	Competitive Bidding

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32	Relay- a. Cut out Relays b. Reverse current c. Over current d. Under voltage	a. 16A, 440V b. 16A, 440V c. 16A, 440V d. 360V-440V	ELECTRICIAN DTO	1	0.0099	0.0099	Competitive Bidding
33	Pin Type, shackle type, egg type & suspension type insulators including hardware fitting		ELECTRICIAN DTO	2	0.1100	0.2200	Competitive Bidding
34	Hydrometer		ELECTRICIAN DTO	2	0.0010	0.0020	Competitive Bidding
35	Brake Test arrangement with two spring balance rating	0 to 25 kg	ELECTRICIAN DTO	1	0.0198	0.0198	Competitive Bidding
36	Laboratory Type Induction Coil	1000 W	ELECTRICIAN DTO	3	0.0209	0.0627	Competitive Bidding
37	Knife Switch DPDT fitted with fuse terminals	16 Amp	ELECTRICIAN DTO	4	0.0066	0.0264	Competitive Bidding
38	Knife Switch TPDT fitted with fuse terminals	16 Amp/ 440 V	ELECTRICIAN DTO	4	0.0066	0.0264	Competitive Bidding
39	Miniature Breaker	16 amp	ELECTRICIAN DTO	2	0.0019	0.0038	Competitive Bidding
40	Earth Plate	60cm X 60cm X 3.15mm Copper Plate 60cm X 60cm X 6mm GI Plate	ELECTRICIAN DTO & ATO	4	0.0300	0.1200	Competitive Bidding
41	Earth Electrode	Primary Electrode 2100x28x3.25mm Secondary Cu Strip 20x5mm	ELECTRICIAN DTO & ATO	4	0.0300	0.1200	Competitive Bidding
42	MCCB	100Amps, Triple pole	ELECTRICIAN DTO	1	0.0019	0.0019	Competitive Bidding
43	ELCB and RCCB	25Amps, double pole and 25Amps, double pole, 1An 30 mA	ELECTRICIAN DTO	2	0.0268	0.0536	Competitive Bidding

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44	Capacitors	Electrolytic Ceramic Polyester film Variable Dual run	ELECTRICIAN DTO	2	0.0012	0.0024	Competitive Bidding
45	Various Electronic components	Resistors, Diode, Transistor, UJT, FET, SCR, DIAC, TRIAC, IGBT, Small transformer etc.	ELECTRICIAN DTO	10	0.0004	0.0040	Competitive Bidding
46	Various Lamps	Halogen Incandescent Lamp Fluorescent tube HP mercury vapor Lamp High-pressure sodium Lamp Low-pressure sodium Lamp LED	ELECTRICIAN DTO	4	0.0068	0.0272	Competitive Bidding
47	Cables : Twisted Pair Non-Metallic Sheathed Cable Underground Feeder Cable Ribbon Cable Metallic Sheathed Cable Multi-Conductor Cable Coaxial Cable Direct-Buried Cable	1 mtr each	ELECTRICIAN DTO & ATO	3	0.0800	0.2400	Competitive Bidding
48	Bus bar with brackets	1 mtr each	ELECTRICIAN DTO & ATO	6	0.0250	0.1500	Competitive Bidding
49	Rubber mat	2' x 4' x 1"	ELECTRICIAN DTO	2	0.0190	0.0380	Competitive Bidding
50	Electrician Helmet	Yellow Colour	ELECTRICIAN DTO & ATO	4	0.0063	0.0252	Competitive Bidding
51	RCC Pole with accessories (MS angle iron, 'C' clamp, stay insulator etc.) and materials	6 Mtr	ELECTRICIAN DTO & ATO	2	0.0550	0.1100	Competitive Bidding
52	Safety Belt	Standard quality	ELECTRICIAN DTO & ATO	4	0.0065	0.0260	Competitive Bidding
53	Thermometer Digital	0° C - 150° C	ELECTRICIAN ATO	1	0.0017	0.0017	Competitive Bidding
54	Knife Switch DPDT fitted with fuse terminals	16 Amp	ELECTRICIAN ATO	4	0.0030	0.0120	Competitive Bidding

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55	Electrician Screw Driver thin stem insulated handle	4mm X 250 mm	ELECTRICIAN ATO	21	0.0007	0.0151	Competitive Bidding
56	Grease Gun	0.5 ltr. Capacity	ELECTRICIAN ATO	1	0.0030	0.0030	Competitive Bidding
57	Wi-Fi Router	With Wireless Connectivity	COPA	1	0.0200	0.0200	Competitive Bidding
58	Crimping Tool	RJ-45	COPA	5	0.0200	0.1000	Competitive Bidding
59	Network Rack	4U for 24 port	COPA	1	0.0700	0.0700	Competitive Bidding
60	LAN Tester	UTP cat5 cable tester (RJ 45)	COPA	5	0.0200	0.1000	Competitive Bidding
61	Punching Tool	for punching RJ 45 socket with cat 5 cable	COPA	5	0.0750	0.3750	Competitive Bidding
62	Pigeon hole cabinet	20 compartments	COPA	1	0.1500	0.1500	Competitive Bidding
63	RJ 45 connector	For connecting utp cat 5 cable	COPA	200	0.0003	0.0640	Competitive Bidding
64	Box drawing instrument	containing one 15 cm compass with pin point, pin point & lengthening bar, one pair spring bows, rotating compass with interchangeable ink and pencil points, drawing pens with plain point & cross point, screw driver and box of leads.(0.2,0.3,0.4 mm).	Draughtsman Civil	25	0.0400	1.0000	Competitive Bidding
65	Protractor celluloid	15 cm semi- circular.	Draughtsman Civil	25	0.0025	0.0625	Competitive Bidding
66	Scale card board-	metric set of eight A to H in a box 1: 1,1:2, 1:2:5, 1: 5, 1:10, 1:20, 1:50, 1:100,1:200, 1:500,	Draughtsman Civil	25	0.0050	0.1250	Competitive Bidding
67	Scales plotting box wood 6 metric scales	30 cms long with offset scales.	Draughtsman Civil	25	0.0050	0.1250	Competitive Bidding
68	Set square transparent	20 cm, 2 mm thick with bevelled edges 45 degree .	Draughtsman Civil	25	0.0012	0.0300	Competitive Bidding

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69	Set square celluloid	25 cm, 2mm thick with bevelled edges 60 degrees.	Draughtsman Civil	25	0.0015	0.0375	Competitive Bidding
70	Template –Architects and builders		Draughtsman Civil	25	0.0020	0.0500	Competitive Bidding
71	Metal Rack	100cm x 150cm x 45cm	ELECTRICIAN DTO	7	0.0800	0.5600	Competitive Bidding
72	Fire Extinguisher	2 KG	Draughtsman Civil & COPA	2	0.1500	0.3000	Competitive Bidding
73	Dual Desk or Chair and Tables for Trainees	Standard	COPA	24	0.0250	0.6000	Competitive Bidding
74	Operators chair	without arms mounted on castor wheels, adjustable height	COPA	24	0.0350	0.8400	Competitive Bidding
75	Computer Table	Table Height - 75 cm, Table Width - 90 cm, Table Depth - 45 cm	Draughtsman Civil	24	0.0300	0.7200	Competitive Bidding
76	Computer Chair.	Wheels, Recline, Armrest, Adjustable Seat Height W x H: 71.12 cm x 99.06 cm (2 ft 4 in x 3 ft 3 in) Frame Material: Metal Upholstery Type: Cushion Knock Down - Delivered in non-assembled pieces, installation by service partner	Draughtsman Civil	24	0.0200	0.4800	Competitive Bidding
77	Furniture for server, printer, plotter	EACH	Draughtsman Civil	1	0.0500	0.0500	Competitive Bidding/e Procurement procedure
78	Drawing table with Board	750mm X 550mm	Draughtsman Civil	20	0.0600	1.2000	Competitive Bidding
79	Class room table single / Dual desk	Body Material: Stainless Steel Shape: Rectangular Material: Wooden Length: 900 mm Width: 700 mm##	Draughtsman Civil	12	0.0500	0.6000	Competitive Bidding

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
80	Class room chairs (armless)	Size: 520x500x460x870 mm Steel Tube Size: 25x25x1.2 mm Foam: High Density Foam Frame Finished: Powder Finished Material: Steel	Draughtsman Civil	10	0.0200	0.2000	Competitive Bidding
81	Milli Voltmeter centre zero analog, portable box type housed in Bakelite case	100 – 0 – 100 mV	ELECTRICIAN DTO	1	0.0066	0.0066	Competitive Bidding
82	Digital Wattmeter	230 V, 1 KW, 50 Hz	ELECTRICIAN DTO & ATO	4	0.0675	0.2700	Competitive Bidding
83	Power Factor Meter Digital	440 V, 20 A, Three Phase portable box type	ELECTRICIAN DTO	2	0.0221	0.0442	Competitive Bidding
84	Frequency Meter	45 to 55 Hz	ELECTRICIAN DTO	1	0.0038	0.0038	Competitive Bidding
85	Magnetic Flux Meter	0-500 tesla	ELECTRICIAN DTO	1	0.0242	0.0242	Competitive Bidding
86	Lux meter	lux meter LCD read out 0.05 to 7000 lumens with battery.	ELECTRICIAN DTO & ATO	4	0.0242	0.0967	Competitive Bidding
87	Tachometer	Analog Type - 10000 RPM	ELECTRICIAN DTO	1	0.0184	0.0184	Competitive Bidding
88	Tachometer	Digital Photo Sensor Type - 10000 RPM	ELECTRICIAN DTO	1	0.0184	0.0184	Competitive Bidding
89	Tong Tester / Clamp Meter	0 - 100 A (Digital Type)	ELECTRICIAN DTO	1	0.0160	0.0160	Competitive Bidding
90	Megger	Analog - 500 V	ELECTRICIAN DTO	2	0.0150	0.0300	Competitive Bidding
91	Phase Sequence Indicator	3 Phase, 415 V	ELECTRICIAN DTO & ATO	4	0.0110	0.0440	Competitive Bidding

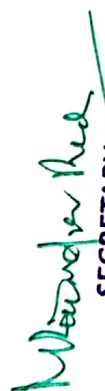
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92	Growler	230 V, 50 Hz, Single Phase, Adjustable jaws, Testing armature with ampere meter and testing probes.	ELECTRICIAN DTO	1	0.0250	0.0250	Competitive Bidding
93	Table Fan	230 volts	ELECTRICIAN DTO	1	0.0280	0.0280	Competitive Bidding
94	AC Starters: - a. Resistance type starter b. Direct on line Starter c. Star Delta Starter- Manual d. Star Delta Starter – Semi automatic e. Star Delta Starter – Fully automatic f. Star Delta Starter - Soft starter g. Auto Transformer type	For A.C Motors of 2 to 5 H.P.	ELECTRICIAN DTO	1	0.3358	0.3358	Competitive Bidding
95	Temperature controlled Soldering Iron	50 Watt, 230 Volt	ELECTRICIAN DTO	2	0.0185	0.0370	Competitive Bidding
96	Discrete Component Trainer	Discrete Component (for diode and transistor circuit) with regulated power supply +5,0- 5 V,+12 ,0-12 V	ELECTRICIAN DTO	1	0.0705	0.0705	Competitive Bidding
97	Digital I.C. Trainer	Digital I.C. Trainer 7 segment display and bread board	ELECTRICIAN DTO	1	0.0850	0.0850	Competitive Bidding
98	Voltage Stabilizer	AC Input - 150 - 250 V, 600 VA AC Output - 240 V, 10 A	ELECTRICIAN DTO	1	0.0199	0.0199	Competitive Bidding
99	DC Power Supply	0 - 30 V, 5 A	ELECTRICIAN DTO	1	0.1020	0.1020	Competitive Bidding
100	A.C. Energy Meter	Three Phase, 15 A, 440 V induction type	ELECTRICIAN ATO	2	0.0150	0.0300	Competitive Bidding
101	4- point D.C. Starter	For 2.5 KW DC motor	ELECTRICIAN ATO	1	0.0350	0.0350	Competitive Bidding

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102	Wheat Stone Bridge with galvanometer and battery		ELECTRICIAN ATO	2	0.0250	0.0500	Competitive Bidding
103	Solar panel with Battery	18 Watt	ELECTRICIAN DTO & ATO	2	0.0514	0.1028	Competitive Bidding
104	D.C. Shunt Generator with control panel	D,C Shunt Gnerator with control panel 2.5kw,220v & 3phase squirrel cage induction Motor,5HP,440v with control pannel & star delta starter	ELECTRICIAN DTO & ATO	1	0.2200	0.2200	Competitive Bidding
105	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V, with control panel & star delta starter	ELECTRICIAN DTO	1	0.2200	0.2200	Competitive Bidding
106	DC Series Motor coupled with spring balance load	2.5 KW, 220 Volts	ELECTRICIAN DTO	1	0.2500	0.2500	Competitive Bidding
107	DC Shunt Motor	2.5 KW, 220 V	ELECTRICIAN DTO	1	0.1900	0.1900	Competitive Bidding
108	DC compound Motor with starter and switch	2.5 KW, 220 volts	ELECTRICIAN DTO	1	0.2200	0.2200	Competitive Bidding
109	Motor Generator(DC to AC) set consisting of - Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling.	Shunt Motor rating : 5 HP, 440V ACGenerator rating : 3-Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pf,50cycles	ELECTRICIAN DTO	1	0.4900	0.4900	Competitive Bidding

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110	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load.	5 HP, 3-Phase, 415 V, 50 Hz	ELECTRICIAN DTO	1	0.8000	0.8000	Competitive Bidding
111	AC phase-wound slip ring Motor with starter switch	5 HP, 440 V, 3 Phase, 50 Hz	ELECTRICIAN DTO	1	0.2600	0.2600	Competitive Bidding
112	Universal Motor with starter/switch	c. Automatic - 750 W, 240 V	ELECTRICIAN DTO	1	0.1600	0.1600	Competitive Bidding
113	Synchronous motor with accessories like starter, excitation arrangements.	3 Phase, 3 HP, 440V, 50Hz, 4 Pole	ELECTRICIAN DTO	1	0.0800	0.0800	Competitive Bidding
114	A.C. Series type Motor	1 HP, 240 V, 50 Hz	ELECTRICIAN DTO	1	0.1600	0.1600	Competitive Bidding
115	Single Phase Capacitor Motor with starter switch	1 HP, 240 V, 50 Hz	ELECTRICIAN DTO	1	0.1600	0.1600	Competitive Bidding
116	Manual Motor coil Winding Machine	With step arbor	ELECTRICIAN DTO & ATO	2	0.0520	0.1040	Competitive Bidding
117	Ceiling fan coil Winding Machine	250V, 50 Hz, 1- Φ , with speed control	ELECTRICIAN DTO & ATO	2	3.5000	7.0000	Competitive Bidding
118	Primary current injection set	220V, 50 Hz, 1- Φ , output current - 200 A (min) with timer	ELECTRICIAN DTO & ATO	2	0.0800	0.1600	Competitive Bidding
119	Shaded Pole Motor	Fractional HP, 240 V, 50 Hz	ELECTRICIAN DTO & ATO	2	0.0112	0.0223	Competitive Bidding
120	Brake Test arrangement with two spring balance rating	0 to 25 kg	ELECTRICIAN ATO	1	0.0250	0.0250	Competitive Bidding
121	Oscilloscope Dual Trace	20 MHz	ELECTRICIAN ATO	1	0.2400	0.2400	Competitive Bidding
122	Inverter with Battery	1 KVA with 12 V Battery Input- 12 volt DC, Output- 220 volt AC	ELECTRICIAN ATO	1	0.0400	0.0400	Competitive Bidding

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123	Single phase Transformer, core type, air cooled	1 KVA , 240/415 V, 50 Hz	ELECTRICIAN ATO	2	0.2500	0.5000	Competitive Bidding
124	Three phase transformer, shell type oil cooled with Delta/ Star	3 KVA , 415/240 V, 50 Hz	ELECTRICIAN ATO	1	0.4500	0.4500	Competitive Bidding
125	Stepper Motor with Digital Controller		ELECTRICIAN ATO	1	0.5000	0.5000	Competitive Bidding
126	Three phase transformer shell type oil cooled with Delta/star	3 KVA, 415/240 V , 50 HZ	ELECTRICIAN ATO	1	0.4500	0.4500	Competitive Bidding
127	Pillar electric drilling machine motorized	12-20 mm Capacity, 1HP, 440V, 3 phase, Induction Motor with DOL starter, Bench Type	ELECTRICIAN ATO	1	0.1600	0.1600	Competitive Bidding
128	Drilling machine	bench to drill up to 12mm dia along with accessories	MECHANIC DIESEL-ATO	1	0.2500	0.2500	Competitive Bidding
129	Grinding machine	(general purpose) D.E. pedestal with 300 mm dia. wheels rough and smooth	MECHANIC DIESEL-ATO	1	0.3400	0.3400	Competitive Bidding
130	Liquid penetrate Inspection kit		MECHANIC DIESEL-ATO	1	0.1100	0.1100	Competitive Bidding
131	Diesel Engine six Cylinder in running condition	Cut Section Model Of Six Cylinder Four Stroke Diesel Engine ... By running the engine, the working of individual parts and accessories like crankshaft, camshaft, connecting rod, pistons, valves, different ... Legal Status of FirmPartnership Firm	MECHANIC DIESEL-ATO	1	3.1200	3.1200	Competitive Bidding
132	Working Condition of Diesel Engine – CRDI - 4 stroke Engine, Assembly with fault simulation board	Assembly with fault simulation board	MECHANIC DIESEL-ATO	1	4.5000	4.5000	Competitive Bidding

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133	Cut section of 4/6 cylinder diesel engine with moving condition to show momentum of internal parts	Cut Section Model Of Six Cylinder Four Stroke Diesel Engine in ... Maximum parts and accessories like five cylinders, cylinder head, inlet and ... etc are sectioned to show the internal constructional details of the engine.	MECHANIC DIESEL-ATO	1	2.5000	2.5000	Competitive Bidding


SECRETARY
IMC STRIVE SOCIETY
GOVT. I.T.I., CHITTOOR.

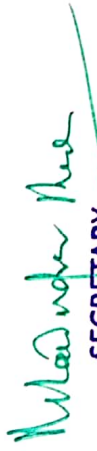

CHAIRMAN
IMC STRIVE SOCIETY
GOVT. I.T.I., CHITTOOR.

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	Package-2 (COPA & DC Equipment)						
1	Laser Printer	Colour A4 Size	COPA	1	0.1700	0.1700	Competitive Bidding
2	Network Laser Printer	Monochrome A4 Size	COPA	1	0.1700	0.1700	Competitive Bidding
3	Optical Scanner	Flatbed A4	COPA	1	0.0700	0.0700	Competitive Bidding
4	Digital Web Cam	High Resolution(3.1 mp or higher)	COPA	1	0.1500	0.1500	Competitive Bidding
5	DVD or Blu-Ray Writer	24X or higher external (usb)	COPA	1	0.0700	0.0700	Competitive Bidding
6	LCD Projector	3000 lumens or higher	COPA	1	0.6500	0.6500	Competitive Bidding
7	Projector Screen	matte(antiglare) screen	COPA	1	0.0400	0.0400	Competitive Bidding
8	Online UPS		COPA	1	0.4000	0.4000	Competitive Bidding
9	Mini Dongle for Bluetooth devices Connection	USB	COPA	4	0.0200	0.0800	Competitive Bidding
10	Headphone & mic. set	Wired	COPA	5	0.0350	0.1750	Competitive Bidding
11	Sound System	2:1	COPA	1	0.1200	0.1200	Competitive Bidding
12	External Hard Disk	1 TB	COPA	2	0.0350	0.0700	Competitive Bidding
13	Vacuum cleaner	Hand Held	COPA	1	0.0500	0.0500	Competitive Bidding
14	Pentium IV Computer or latest	2.8 GHz & above, 1 GB RAM, 80 GB HDD, DVD Combo Drive, 19/21" Monitor, optical scroll mouse, multimedia key board, 32 bit LAN card with UPP port, necessary Drivers, etc. OR (Latest Version)	ELECTRICIAN DTO	1	0.5398	0.5398	Competitive Bidding

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
15	Ink jet/ laser printer	Optical: Platen Glass: Upto 600x600 dpi Driver Enhanced: Upto 9600x9600 dpi 300x600 pixel, Device: 1 GB, A4: 18, 18 ppm, Letter: 18, 18 ppm Windows 10/8.1/7/Server 2016/Server 2012 R2/Server 2012/Server 2008 R2/Server 2008	ELECTRICIAN DTO & ATO	2	0.1999	0.3998	Competitive Bidding
16	Desktop Computer	CPU: 32/64 Bit i3/i5/i7 or latest processor, Speed: 3 GHz or Higher. RAM:-4 GB DDR-III or Higher, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor (Min. 17 Inch. Licensed Operating System and Antivirus compatible with trade related software.	COPA	24	0.4200	10.0800	Competitive Bidding
17	Laptop	4 th Gen Ci5 or higher Processor, 4GB RAM, 1TB Hard Disk, Win8/latest Preloaded Licensed OS, 2GB Graphics Card, DVD Writer, Standard Ports And Connectors.	COPA	1	0.5700	0.5700	Competitive Bidding

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
18	Geometrical models (wooden/plastic) EACH	i) Cube 08 cm sides. ii) Rectangular parallel piped 8cm x 15cm iii) Sphere 8cm dia. iv) Right circular cone 8 cm dia base and 15 cm vertical height v) Square pyramid 8cm side base and 15 cm vertical height vi) Cylinder 8 cm dia. 15 cm height. vii) Prisms triangular 8 cm sides triangle and 15 cm length. viii) Prism hexagonal 8 cm side's hexagon and 15 lengths	Draughtsman Civil	4	0.0100	0.0400	Competitive Bidding
19	Templates – Circle, Ellipse, furniture, etc.		Draughtsman Civil	4	0.0100	0.0400	Competitive Bidding
20	Brass parallel rulers in a case		Draughtsman Civil	2	0.0160	0.0320	Competitive Bidding
21	Calculator Scientific (Non-programmable)		Draughtsman Civil	4	0.0100	0.0400	Competitive Bidding
22	Proportional dividers	15 cm	Draughtsman Civil	2	0.0025	0.0050	Competitive Bidding
23	Telescopic Alidade (SET)		Draughtsman Civil	1	0.0650	0.0650	Competitive Bidding
24	Levelling staff	4 mt. leading to 5 mt. telescopic type	Draughtsman Civil	1	0.0250	0.0250	Competitive Bidding
25	Transit Theodolite with stand with all accessories	EACH SET	Draughtsman Civil	2	0.5000	1.0000	Competitive Bidding

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
26	Personal computer	CPU: 32/64 Bit i3/i5/i7 or latest processor, Speed: 3 GHz or Higher. RAM:-4 GB DDR-III or Higher, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet, with USB Mouse, USB Keyboard and Monitor (Min. 17 Inch. Licensed Operating System and Antivirus compatible with trade related software.	Draughtsman Civil	24	0.4000	9.6000	Competitive Bidding
27	Laptop with latest configuration		Draughtsman Civil	2	0.4000	0.8000	Competitive Bidding
28	Server work station with latest configuration		Draughtsman Civil	1	1.5000	1.5000	Competitive Bidding
29	DLP Projector	2000 lumens or higher	Draughtsman Civil	2	0.5000	1.0000	Competitive Bidding
30	Screen for Projector	motorized	Draughtsman Civil	2	0.1500	0.3000	Competitive Bidding
31	Document Camera / Visualiser		Draughtsman Civil	2	0.4000	0.8000	Competitive Bidding
32	Air Conditioner	2 Ton capacity with copper winding	COPA & Draughtsman civil	4	0.6000	2.4000	Competitive Bidding


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	Package-3 (MC & MV Equipment)						
1	Tool and cutter grinder 250 mm to admit 450 mm between center fully motorized work shead supplied with tool rest of different types tabel clamps and other attachments, center fully motorized work shead supplied with tool rest of different types tabel clamps and other all standard attachments	250 mm to admit 450 m	MACHINIST	1	2.5000	2.5000	Competitive Bidding/e Procurement procedure
2	Universal milling machine with minimum specification as:	Table length x width 1200 x 300 mm having motorized up& down movement along with auto feed arrangement and with motor capacity- 7.5KW Following attachments such as: a. Vertical head b. Slotting attachment c. Rack cutting attachment d. Rotary table e. Dividing head f. Adaptors,arbors and collects etc.for holding staright shank drills and cutters from 3 mm to 25 mm.	MACHINIST	1	14.8500	14.8500	Competitive Bidding/e Procurement procedure
3	Surface grinding machine with minimum specifications as:	Grinding machine plan surface,wheel dia.175 mm (or near)with reciprocating table having longitudinal table traverse 200mm (or near)fully automatic and	MACHINIST	1	0.5000	0.5000	Competitive Bidding/e Procurement procedure

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
		fitted with adjustable traverse stops, machine to be fully motorized and fitted with ace guards and pumps, tank and pump fittings and also to be supplied with magnetic chuck 250 x 112 mm. diamond tool holder, set of spanners, grease gun, oil-can and spare grinding wheel for general purpose grinding, motor capacity-3.0KW					
4	Hydraulic jack HI-LIFT type	3 ton capacity, and 5 Ton capacity	MECHANIC MOTOR VEHICLE	1	0.0550	0.0550	Competitive Bidding/e Procurement procedure
5	Trolley type portable air compressor	Belt driven compressor along with accessories	MECHANIC MOTOR VEHICLE	1	0.5500	0.5500	Competitive Bidding/e Procurement procedure
6	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.	MECHANIC MOTOR VEHICLE	1	1.5000	1.5000	Competitive Bidding/e Procurement procedure
7	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 and glowing LED's/any other light as per firing order with spray from the fuel nozzles.	MECHANIC MOTOR VEHICLE	1	1.2500	1.2500	Competitive Bidding/e Procurement procedure

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
8	Air bag simulator	Driver & Co Driver Air Bags, Seat belts with front seats, crash sensors, air bag ECU, Wiring Harness	MECHANIC MOTOR VEHICLE	1	0.8000	0.8000	Competitive Bidding/e Procurement procedure
9	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.	MECHANIC MOTOR VEHICLE	1	2.5000	2.5000	Competitive Bidding/e Procurement procedure
10	Transfer case with stand for Dismantling and assembly.	To show the gear mechanism of forward and reverse speeds.	MECHANIC MOTOR VEHICLE	1	1.2575	1.2575	Competitive Bidding/e Procurement procedure
11	Tube/ tyre vulcanizing machine	220 V , Heater Capacity 400W x 2 With different types of Die & Mould	MECHANIC MOTOR VEHICLE	1	0.1100	0.1100	Competitive Bidding/e Procurement procedure
12	Ultrasonic Injection cleaning equipment	Flow analysis & spray pattern test, leak test, auto programming mode, ultrasonic test with timer, Min 1000 ML Lit, SS Tank with Lid, SS Stand.	MECHANIC MOTOR VEHICLE	1	1.6500	1.6500	Competitive Bidding/e Procurement procedure
13	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,	MECHANIC MOTOR VEHICLE	1	1.5000	1.5000	Competitive Bidding/e Procurement procedure
14	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.	MECHANIC MOTOR VEHICLE	1	0.5500	0.5500	Competitive Bidding/e Procurement procedure

S.NO.	NAME OF THE ITEM	SPECIFICATION	Trade/Course for which it is required	Quantity Required	Rate / Unit	Total amount (IN LAKHS)	Method of Procurement (e.g. Shopping/Competitive Bidding)
15	Synchronous Gear box with stand for Dismantling and assembly	Gearbox with 5 Forward & 1 Reverse Gear.	MECHANIC MOTOR VEHICLE	1	0.8500	0.8500	Competitive Bidding/e Procurement procedure
16	Demonstration board of MPFI system	With injectors, rail, inlet manifold, throttle body, distributor, ECU, purge valve, sensor, crank pulley, fuel tank module. By rotating the distributor, spark from plugs and spray from injectors with glowing LEDs/any other light can be demonstrated as per firing order of the engine.	MECHANIC MOTOR VEHICLE	1	1.2000	1.2000	Competitive Bidding/e Procurement procedure
17	Front axle (Rzeppa Joint) with stand for Dismantling and assembly	Rzeppa joint of LMV.	MECHANIC MOTOR VEHICLE	1	0.6500	0.6500	Competitive Bidding/e Procurement procedure
18	Full floating axle and semi-floating axle assembly	Drum & axle casing should be with all components in working condition.	MECHANIC MOTOR VEHICLE	1	0.7500	0.7500	Competitive Bidding/e Procurement procedure

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