

<b>Summary of package prepared for Procurement of Items for IToT Lalru</b>
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S.No	Description of Package	Procurement Level	
		Institute	SPIU
1	Package No - 1 (IT/Computer/Software Items)	0.196	68.618
2	Package No - 2 (Air Conditioning Items)	0	15.06
3	Package No - 3 (Tools & Equipment)	32.77388	0
4	Package No - 4 (Machinery)	0	81.61981
5	Package No - 5 (Furniture)	19.798	37.656
	<b>Amount (In lac)</b>	<b>52.76788</b>	<b>202.95381</b>
	<b>Total Amount (In lac)</b>	<b>255.72</b>	

**Package No - 1 ( IT/Computer/Software Items)**

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
1	UPS 650 VA offline	UPS 650 VA offline Recharge Time: 8h, Voltage Consumption in Inverter Mode: 220V AC.LED indication for Inverter on, mains on, low battery and on mains normal Type: UPS.Net Weight: 7kg, Battery: 12V, 7Ah.	DMC 31	2 Nos	2750	5500	Inst. Level
2	DVD or Blu-Ray Writer	Serial ATA Interface,5.25 inch Form Factor,16x DVD+R Read, 24x DVD+R Write,48x CD-R Write,40x CD-RW Read, 24x CD-RW Write,DVD Rewriter,0.75 MB Buffer Memory	CSA 9	2 Nos	3000	6000	Inst. Level
4	UPS	UPS with 30 minutes backup	TM 7	1 Nos	4950	4950	Inst. Level
5	Pen Drives	8 GB	CSA 41	2 Nos	450	900	Inst. Level
6	CDs	CDs	CSA 42	50 Nos	20	1000	Inst. Level
7	DVDs	DVDs	CSA 43	50 Nos	25	1250	Inst. Level
						<b>Total</b>	<b>19600</b>
						<b>Total (in Lac)</b>	<b>0.196</b>

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
1	Software for Library	Total collection size 20000 books, magazines, journals etc.Two computer terminals used for housekeeping operations. Cataloguing, Acquisition, Circulation, Serials and OPAC interface.	Information Center [Lib]	1 no.	80000	80000	SPIU Level
2	LED TV	Screen resolution :3,840 x 2,160, Screen Size 1m 25cm (50") full HD, Motion flow rate : 200 Hz, Backlight : LED, Viewing Angle : 89° (Right/Left/Up/Down), Audio Output Power : 8W+8W, Minimum 3 HDMI port, Minimum 2 USB 2.0 ports, Ethernet Connection.	Hostel	1 no.	45000	45000	SPIU Level
3	Over Head Projector	Over Head Projector: 7000 Lumens, 8000:1 Contrast	RAC 157	1 No	7000	7000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
4	Interactive Board	Smartboard uses Surface Light Wave (S.L.W) Touch Technology,10 simultaneous touch points recognition, Finger, Touch ,Gesture recognition , write with your finger and erase with palm,High Scan Rata Refresh Rate upto 200 frames per second for Seamless and Natural Interaction ,Supported OS : Android 4.1 Afterward ; IOS 6.0 Afterward ; Win 7 / 8.1 / 10 (Win7 Require Driver Software),Built In speakers, Bluetooth supprt	RAC 164	1 No	200000	200000	SPIU Level
5	Oscilloscope	20MHz graphically displays varying signal voltages	MD 105	2 no.s	30000	60000	SPIU Level
6	b) Plotter A 0 size: EPSON, 112 CM wide, Architactural/Cad Prints, prints on boards up to 1.5 thick, 5 colour ultra chrome	b) Plotter A 0 size: EPSON, 112 CM wide, Architactural/Cad Prints, prints on boards up to 1.5 thick, 5 colour ultra chrome	DMC 20b	1 Nos	137000	137000	SPIU Level
7	Server work station with latest configuration	Server work station with latest configuration	DMC 29	1 Nos	60000	60000	SPIU Level
8	Architectoral Desktop Software (latest)	Architectoral Desktop Software (latest) : 5 user	DMC 28	1 Nos	115000	115000	SPIU Level
9	A3 printer Color	Printing Technology: Inkjet,Printing Type: Colour, Print Resolution: 5760x1440 DPI, Paper Size: 4R, 5 R, A3, A3+, A4, A5, A6, Network: USB 2.0	DMC 36	1 Nos	33000	33000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
10	Network Monochrome Laser Printer A4 Size	Network Monochrome Laser Printer A4 Size, Processor:600MHz,Memory:128MB,Interface:Hi-Speed USB 2.0/Ethernet 10/100 Base TX,Power Consumption:400 watts (Printing)/45 watts (Standby)/1.0 watts (Power Save),Noise level:Less than 50dBA (Printing)/Less than 26dBA (Standby),Dimension (WxDxH):368.0 x 33 Scanner type:Flatbed,Scan resolution, optical:Up to 4800 dpi,Task speed:10 x 15 cm (4 x 6 in)	CSA 7	1 Nos	18000	18000	SPIU Level
11	Optical Scanner(Flatbed A4)	Type: Processor 30 MHz, Flatbed,Scan resolution, optical:Up to2400X 4800 dpi,Task speed:10 x 15 cm (4 x 6 in) color photo to file (200 dpi, 24-bit, tiff): about 14 sec for single image scan,Scan size (flatbed), maximum 216 x 297 mm (restricted by scan image file size of 2 GB for Windows	CSA 8	1 Nos	10000	10000	SPIU Level
12	MS OFFICE 2010 or Latest Version	MS OFFICE 2010 or Latest Version	CSA 22	2 User Users	5500	5500	SPIU Level
13	Antivirus software - licensed	Antivirus software - licensed	CSA 23	2 User Users	8000	8000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
14	Computer	Desktop Computers of the latest configuration prevalent at the time of procurement or with the following minimum features: CPU: 32/64 Bit i7 eleventh generation or latest processor (6M Cache, up to 3.4 GHz). RAM:-16 GB DDR-IV or Higher. Hard Disk Drive: 1TB SSD or Higher,NVIDIA® GeForce, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet(10/100/1000) - Wi-Fi,optical Mouse, optical Keyboard and Monitor (Min.19 Inch), Standard Ports and connectors. Licensed Windows Operating System Windows® 8.1 Single Language (64Bit) English / OEM Pack(Preloaded), Antivirus / Total Security, Latest Graphic Card	ET 8/Information centre-14, RODA 8a-14, SUR 17 &19/ DMC 20-13, TM 6-1, CSA 1-26	68 no.	55000	3740000	SPIU Level
15	Software	MS-Office latest version of operating software AND Auto-CADwith power pack or latest version.	ET 9-1, RODA 8b -1, SUR 38/DMC 20a-1	3 13 users licenced	25000	75000	SPIU Level
16	Laser Jet printer with Scanner	Latest model –Laser Printer with functions: Print, copy, scan Laser - Monochrome Legal AND A4 Printer / Interface USB, minimum speed 30 PPM, Print Quality: Upto 2400x600 dpi with automatic image refinement. Prinert Resolutioin: Upto 600x600 dpi, having option of double sided printing, Automatic, Memory: minimum 16 MB.	ET 10-1, RODA 8c-1, DMC 20c-1, RAC 162-1, TM 13-1, CSA 6-1, PPL office-1, Office-02, Lib-01	10 no.	16500	165000	SPIU Level
17	UPS	On-Line with isolation transformer, for single phase AC input & single phase AC output, Rating : 5.0 KVA, Inductive back-up time :Minimum 30 minutes on full load, UPS Floor Mounted Type, Indicators : Over Temperature. , Battery Low, Main On & Inverter On Indicators (audible or visual), Input Voltage Protection, Input Under Voltage Protection & Input Cut-off Protection, Output Over Voltage Protection, Output Under Voltage Protection, Over Load Protection, Short Circuit Protection, Sealed maintenance free lead acid dry batteries of 12V.	ET 11/Information centre-1, RODA 8d-1, SUR 18-2, CSA 11-1	5 no.	110000	550000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
18	D.L.P Projector	DLP 4000 Lumens;3D Ready Function; Multimedia Projector with wireless connectivity between PC and ProjectorHDMI Input, Speakers, USB, WIFI; Mono Audio 2 Watts; Life of Lamp - Full Usage: 5000 hrs, Eco Usage: 10000 hrs & Standard Usage:15000 hrs; Contrast Ratio: 20000:1; Aspect Ratio: 4:3; Resolution: WXGA (1280x800) ; Minimum Lens F 2.57	ET 22-1, RODA 21-1, DMC 36-1	3 no.	93500	280500	SPIU Level
19	Motorised Screen for Projector	Screen for projector (motorized): Premium 4 x 6 Motorised Screen 84" Projector Screen (1.29mtr x 1.88mtr) Motorised Projector;Motorised Projector screen has dual system operates with Remote and Receiver ;Wall or ceiling mounted; Well equipped with overload protection. Pre-set limit switch setting automatically stops the screen in UP and DOWN position.	ET 23-1, RODA 22-1, DMC/SUR -01	3 no.	6600	19800	SPIU Level
20	LCD / LED Projector	Multimedia Projector with wireless connectivity between PC and Projector, Projection system : 3 LCD panels, Lamp : 210W, Brightness : 3000 luminous, Dynamic contrast ratio : 2300:1 (Full white/full black), Display resolution : 1280x800 dots, Color system NTSC, PAL, SECAM, Input video connector : HDMI 19-pin, D-sub 15-pin, USB, RJ-45 & Wi-Fi, Output video connector : D-sub 15-pin, Sound output : 16W	TM 5	1 Nos	70000	70000	SPIU Level
21	LCD / LED Projector	LCD Projector with matte(antiglare) screen, RESOLUTION: 1080p (1920 x 1080), 600 Video Lines ,BRIGHTNESS: 3000-3500 ANSI lumens, CONTRAST RATIO: 60000:1, PICTURE SIZE: 40-300 inches diagonal, SOURCE LAMP: High pressure mercury lamp 300W; 5000 Hrs Lamp Life, SCANNING RATE: [H] 15 - 1	RODA 30-1, DM 228-2, RAC 158-02, CSA 10-2, TM 5-01	8 no.	80000	640000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required		Price/item	Total Amount	Method of shopping
22	Multimedia Computer System with UPS	Desktop Computers of the latest configuration prevalent at the time of procurement or with the following minimum features: CPU: 32/64 Bit i7 eleventh generation or latest processor (6M Cache, up to 3.4 GHz). RAM:-16 GB DDR-IV or Higher. Hard Disk Drive: 1TB SSD or Higher,NVIDIA® GeForce, Wi-Fi Enabled. Network Card: Integrated Gigabit Ethernet(10/100/1000) - Wi-Fi,optical Mouse, optical Keyboard and Monitor (Min.19 Inch),Mic & speakers, web camra, DVD writer, Standard Ports and connectors. Licensed Windows Operating System Windows® 8.1 Single Language (64Bit) English / OEM Pack(Preloaded), Antivirus / Total Security, Latest Graphic Card, UPS	RODA 31-1, TM 06-1, PPL office-01	2	no.	55000	110000	SPIU Level
23	LCD Projector Screen	Screen for projector (motorized): Premium 4 x 6 Motorised Screen 84" Projector Screen (1.29mtr x 1.88mtr) Motorised Projector;Motorised Projector screen has dual system operates with Remote and Receiver ;Wall or ceiling mounted; Well equipped with overload protection. Pre-set limit switch setting automatically stops the screen in UP and DOWN position.	RODA 34-1, DM 228-2, RAC 158-02, CSA 10-2, TM 9-01	8	no.	6000	48000	SPIU Level
24	Photo copy machine (copier cum scanner)	Copier, Scanner and Printer, Print speed: 20 pages per minute.,Memory Standard: 256MB.,Memory Maximum: 512MB.,Network Interface: Ethernet.,First Copy Output Time: 6.4 seconds or less.,Multiple Copies: 1 to 999 sheets.,Magnification : 25% to 400%.,Copy / Print Speed : 20ppm, colour - Black & White ,Other features include a USB port,	RAC 161-01, Office-01	2	no.	110000	220000	SPIU Level
25	Digital Video Camera (hard Disk) with Tripod stand	Video Camera with stand : Cinema 4K and Ultra HD at up to 60fps; 20x optical zoom lens of latest configuration	TM 10	1	Nos	71500	71500	SPIU Level
26	External Hard disk	1 TB SSD	CAR 132	2	nos.	11000	22000	SPIU Level
27	Wi-Fi Router	24Port Switch With Wireless Connectivity option	CSA 3	1	Nos	10000	10000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required		Price/item	Total Amount	Method of shopping
28	Network Rack	Network Rack	CSA 14	1	Nos	7000	7000	SPIU Level
29	Map & Land Survey software	Map & Land Survey software	SUR 39	1each	Nos	34500	34500	SPIU Level
30	Carpentry Software	Latest configuration	CAR 133	2	nos.	10000	20000	SPIU Level
<b>Total</b>							<b>6861800</b>	
<b>Total (in Lac)</b>							<b>68.618</b>	



# Procurement Plan for IToT Lalu

Trades/Courses - Mechanic Refrigeration and Air Conditioning (RAC), Diesel Mechanic (DM), Draughtsman Civil (DMC), Surveyor (SUR), Computer Software Application (CSA), Carpentry (CAR), Engg. & Tecch. (ET), Reading of Drawing & Arithmetic (RODA), Principal Office (PPL office), Information Center/Lib., Training Methodology (TM), Ministerial Staff (Office), Hostel

## Package No - 2 (Air conditioning Items)

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
1	Refrigerator	Compression type 165 litter /185 litre capacity	RAC 105	4 Nos.	13500	54000	SPIU Level
2	Refrigerator	Compression type 300 litters double door, double compressor system	RAC 106	2 Nos.	25000	50000	SPIU Level
3	Deep freezer	Deep Freezer, capacity 165 L, R-134a refrigerant, reciprocatory compressor,Capacity in horizontal shape which can maintain -ve temperature -18 °C. The condenser fan must be covered with shrouds. The compressor capacity must be 1/4 HP. Deep freezer must be accompanied by 0.5 KVA stabilizer.	RAC 107	2 Nos.	26000	52000	SPIU Level
4	Window Air Conditioner	Window A.C,3000 Kcal/Hr / 1 Ton capacity, R-22 blend refrigerant, 5 star raiting,Rotary compressor with 3 K.V.A voltage stabilizer.	RAC 108	4 Nos.	25000	100000	SPIU Level
5	Window Air Conditioner	Window A.C,4500 Kcal/Hr / 1.5 Ton capacity, R-22 blend refrigerant, 5 star raiting,Rotary compressor with 5 K.V.A voltage stabilizer.	RAC 109	2 Nos.	30000	60000	SPIU Level
6	Split Air Conditioner	Split A.C, 4500 Kcal/Hr / 1.5 Ton capacity,copper condenser,5 star rating, R-22 blend refrigerant ,Rotary compressor with 5 K.V.A voltage stabilizer.	RAC 110	4 Nos.	38000	152000	SPIU Level
7	Split Air Conditioner	Split A/C ( inverter technology), 4500 Kcal/Hr / 1.5 Ton capacity, copper condenser,5 star rating, R-22 blend refrigerant ,Rotary compressor with 5 K.V.A voltage stabilizer.	RAC 111	2 Nos.	45000	90000	SPIU Level

8	Split Air Conditioner	Split A/C ductable , 6000 Kcal/Hr / 2 Ton capacity, copper condenser,5 star rating, R-22 blend refrigerant ,Rotary compressor with 5 K.V.A voltage stabilizer.	RAC 112	2 Nos.	70000	140000	SPIU Level
9	Bottle Cooler	Bottle cooler visible, capacity 110 L, R-134a refrigerant, reciprocating Compressor. Capacity in horizontal shape which can maintain +ve temperature. The condenser fan must be covered with shrouds. The compressor capacity must be 1/6 HP. Bottle cooler must be accompanied by 0.5 KVA stabilizer.	RAC 113	2 Nos.	25000	50000	SPIU Level
10	Water Cooler	Instantaneous Type	RAC 114	1 Nos.	10000	10000	SPIU Level
11	Refrigerator	Refrigerator 170 liter using 134a refrigerant	RAC 131	4 Nos.	13500	54000	SPIU Level
12	No Frost refrigerator	Frost free refrigerator with HC blend refrigerant,capacity 300 L, using reciprocating compressor along with one voltage stabilizer. Condenser should be plate type air-cooled(compact in the body)	RAC 132	2 Nos.	35000	70000	SPIU Level
13	Air Conditioner	Split 1.5 T cooling capacity 5.25 nkw, 230 V , air flow 5.6 cmm (minimum) compressor rotary , body powder coated	RODA 35-2, CSA 52-2, CAR 137-2, TM 11-2, Lib-02, DMC/SUR - 02	12 no.	45000	540000	SPIU Level
14	Air conditioner split	Split 1.5 T cooling capacity 5.25 nkw, 230 V , air flow 5.6 cmm (minimum) compressor rotary , body powder coated	CAR 137	2 nos	42000	84000	SPIU Level
<b>Total</b>						<b>1506000</b>	
<b>Total (in Lac)</b>						<b>15.06</b>	

### Package No - 3 ( Tools & Equipments)

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
1	Flaring tool set,single type for tube	Flaring tool set, single type for tube 4.7 to 16 mm OD single type for heavy duty wide range hardened bars providing V-clamping.	RAC 1	19 Sets	2500	47500	Inst level
2	Swaging tool, punch type set of size, for tube	Swaging tool, punch type, set of size, for tube 4.7 to 16 mm OD. With swaging adapters covering 4.7 to 16mm sizes	RAC 2	4 Sets	2000	8000	Inst. Level
3	Swaging tool, screw type with adapter set of size	Swaging tool, screw type, with adapter set of size for tube 4.7 to 16 mm OD	RAC 3	8 Sets	600	4800	Inst. Level
4	Bending spring external type, for copper tube	Bending spring external type, for copper tube 3 to 6 mm. Dia	RAC 4	6 Sets	165	990	Inst. Level
5	Pipe cutter miniature for copper tube	Pipe cutter miniature for copper tube 3 to 16 mm. Dia	RAC 6	19 Nos.	150	2850	Inst. Level
6	Pipe cutter with built-in reamer space cutter, for copper tube	Pipe cutter with built-in reamer and space cutter, for copper tube high quality 3-32 mm	RAC 7	16 Nos.	1200	19200	Inst. Level
7	Pinch off tool,for copper tube	Pinch off tool, for copper tube 6 to 18 mm.dia	RAC 8	12 Nos.	400	4800	Inst. Level
8	Ratchet spanner of 6.4 mm. sq. reversible	Ratchet spanner of 6.4 mm. sq. reversible, made of carbon steel.	RAC 9	16 Nos.	2500	40000	Inst. Level
9	Capillary plug gauge	Capillary plug gauge Set	RAC 10	6 Nos.	300	1800	Inst. Level
10	Pinch off pliers/crimping pliers tool	Pinch off pliers/crimping pliers tool 6-18 mm. dia	RAC 11	14 Nos.	800	11200	Inst. Level
11	Piercing pliers & piercing valves both with access fittings	Piercing pliers & piercing valves both with access fittings 6-18 mm.	RAC 12	16 Nos.	550	8800	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
12	Spanner,double ended	Spanner, double ended 4.7 mm to 16 mm.	RAC 13	9 Sets	800	7200	Inst. Level
13	Spanner,double ended	Spanner, double ended 19 mm to 31.8 mm. chrome-vanadium.	RAC 14	4 Sets	1050	4200	Inst. Level
14	Ring spanner,off set	Ring spanner, off set 4.7 mm to 16 mm.	RAC 15	12 Sets	400	4800	Inst. Level
15	Ring spanner, off set	Ring spanner off set 19 mm to 31.8 mm, chrome-vanadium.	RAC 16	4 Sets	1550	6200	Inst. Level
16	Box spanner	Box spanner size 6.4 to 10 mm.	RAC 17	8 Sets	3000	24000	Inst. Level
17	Wrench adjustable	Wrench adjustable length 150 mm.	RAC 18	4 Nos.	400	1600	Inst. Level
18	Wrench adjustable	Wrench adjustable length 200 mm.	RAC 19	13 Nos.	200	2600	Inst. Level
19	Wrench adjustable	Wrench adjustable length 225 mm.	RAC 20	6 Nos.	400	2400	Inst. Level
20	Pipe wrench	Pipe wrench size150 mm.	RAC 21	8 Nos.	250	2000	Inst. Level
21	Pipe wrench	Pipe wrench size 250 mm.	RAC 22	7 Nos.	300	2100	Inst. Level
22	Valve key -T handle	Valve key –T, handle – 4.7 & 6.4 mm. sq.	RAC 24	12 Sets	600	7200	Inst. Level
23	Socket set, ratchet, reversible 12.7 mm. square drive with extension	Socket set, ratchet, reversible 12.7 mm. square drive with extension, 4.7 to 31.2 mm extension	RAC 25	8 Sets	3000	24000	Inst. Level
24	Socket set, ratchet, reversible, 1/2 square drive with extension	Socket set, ratchet, reversible, 1/2 square drive with extension, 3/16 to 11/4 BSW & SR	RAC 26	3 Sets	4500	13500	Inst. Level
25	Pressure gauge,diameter 63 mm. with recalibration set screw	Pressure Gauge diameter 63 mm. with recalibration set screw, scale 0 to 35 kg/sq.cm: IP class, accuracy $\pm 2.5\%$	RAC 27	19 Nos.	1500	28500	Inst. Level
26	Compound gauge,diameter 63 mm. with recalibration set screw	Compound Gauge digital type diameter 63 mm. with recalibration set screw, scale vacuum 76 mm. pressure 15 kg/sq.cm.	RAC 28	4 Nos.	1800	7200	Inst. Level
27	Serviceman thermometer in metal case	Serviceman thermometer in metal case(-30 to+30 Deg. C)	RAC 29	8 Nos.	340	2720	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
28	Sling psychrometer	Sling psychrometer mounted on aluminum back scale (-50 Deg. c. to +50 Deg. C)	RAC 30	6 Nos.	1500	9000	Inst. Level
29	Gas leak detector	Gas leak detector for halogen gas	RAC 31	8 Nos.	3500	28000	Inst. Level
30	Lapping plate	Lapping plate 250x200 mm	RAC 32	3 Nos.	3000	9000	Inst. Level
31	Punch hole for cutting gasket	4.7 mm to 16mm, Made of high carbon steel, high hardness and good toughness for cutting gasket	RAC 33-8, MD 90-2	10 SET	500	5000	Inst. Level
32	Scissor, gasket cutting, stainless steel	Scissor, gasket cutting, stainless steel, length 250 mm	RAC 34	8 Nos.	180	1440	Inst. Level
33	L–Allen key set	L–Allen key set size 1.5 to 6.4 mm	RAC 35	8 sets	500	4000	Inst. Level
34	T –Allen key set	T –Allen key set size 5/32 to 1/8	RAC 36	6 Sets	800	4800	Inst. Level
35	Screw driver	Screw driver plastic handle, 6 mm. tip length 100 mm -20 nos 150mm - 24nos.	RAC 37-40, CAR 47-4	44 Nos	150	6600	Inst. Level
36	Screw driver	Screw driver, plastic handle, 10 mm. tip length 200 - 34 nos.. ,250 - 24 nos. ,300mm - 70 Nos .	RAC 38-20, MD 11-14, MD 12-14, CAR 14-52, CAR 46-8	128 Nos	180	23040	Inst. Level
37	Philips screw driver	Philips screw driver- complete set in leather case	RAC 39	6 Sets	400	2400	Inst. Level
38	Screw driver,plastic handle	Screw driver, plastic handle,3 mm. tip length 100 and 150mm Insulated	RAC 40	8 Sets	500	4000	Inst. Level
39	Pliers combination insulate	Pliers combination insulated, length 200 mm.	RAC 41-12, MD 10-14, CAR 66-2	28 Nos.	600	16800	Inst. Level
40	Pliers long nose	Pliers long nose length 200mm	RAC 42	8 Nos.	400	3200	Inst. Level
41	Pliers flat nose	Pliers flat nose, length 150mm.	RAC 43-8, MD 117-2	10 Nos.	300	3000	Inst. Level
42	Hammer ball peen	Hammer ball peen 450 gms	RAC 44	6 Nos.	300	1800	Inst. Level
43	Hammer ball peen	Hammer ball peen 220 gms	RAC 45-8, DMC 72-1	9 Nos.	150	1350	Inst. Level
44	Hammer nylon	Hammer nylon 300 gms	RAC 46	6 Nos.	350	2100	Inst. Level
45	Tape, measuring	Tape, measuring 10 m graduation in mm.	RAC 47-4, MD 148 -4	8 Nos.	200	1600	Inst. Level
46	Tape, measuring	Tape, measuring 3 m graduation in mm:	RAC 48-8, CAR 20-2	10 Nos.	100	1000	Inst. Level
47	Chisel flat	Chisel flat length 150 mm	RAC 49	6 Nos.	100	600	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
48	Hack-saw tubular metal frame adjustable	Hack-saw tubular metal frame adjustable, 200MM-300 mm	RAC 50-16, MD 80-10	26 Nos.	100	2600	Inst. Level
49	Centre punch length	Centre punch length 100 mm.:	RAC 51-16,MD 4-14	30 Nos.	150	4500	Inst. Level
50	Oil can pressure type	Oil can pressure type – 1/4th liter:	RAC 52-8 ,MD 102-4,CAR 65-2	14 Nos.	180	2520	Inst. Level
51	File, flat medium double cut	File, flat medium double cut, high carbon steel with plastic handle,length 250 mm.	RAC 53-12, MD 69-4	16 Nos.	250	4000	Inst. Level
52	File, half round medium,double cut	File, half round, medium double cut, high carbon steel with plastic handle,length 200 mm	RAC 54-12, MD 64-4	16 Nos.	250	4000	Inst. Level
53	File, half round, fine, double cut	File, half round, fine double cut, high carbon steel with plastic handle,length 150 mm	RAC 55	16 Nos.	350	5600	Inst. Level
54	File, round, fine, double cut	File, round, fine, double cut, high carbon steel with plastic handle,length 150 mm	RAC 56	16 Nos.	250	4000	Inst. Level
55	File flat, fine double cut	File flat, fine double cut,high carbon steel with plastic handle, length 150 mm	RAC 57	16 Nos.	230	3680	Inst. Level
56	File square, fine double cut	File square, fine double cut, high carbon steel with plastic handle,length 150 mm	RAC 58-16, MD 65-4	20 Nos.	250	5000	Inst. Level
57	Soldering Iron exchangeable copper tip	Soldering Iron exchangeable copper tip 65 watts	RAC 59-20, MD 58-2	22 Nos.	200	4400	Inst. Level
58	Puller 3 legged, with flexible arm	Puller 3 legged, with flexible arm 120 mm.	RAC 61	3 Nos.	1200	3600	Inst. Level
59	Hand blower portable complete	Hand blower portable complete 1/10 HP motor & other attachments.	RAC 63	3 Nos.	3500	10500	Inst. Level
60	Snipper sheet metal straight nose	Snipper sheet metal straight nose 200 mm	RAC 64	4 Nos.	300	1200	Inst. Level
61	Vernier Caliper	Vernier Caliper length 300 mm. Least count 0.01 mm, with wooden box ,size 0 to 250 mm.	RAC 65-4, MD 174-4	8 Nos.	2500	20000	Inst. Level
62	Vernier height gauge	Vernier height gauge 250 mm.	RAC 67	3 Nos.	3500	10500	Inst. Level
63	Bench vice	Bench vice 75 mm. jaw, cast iron	RAC 68	8 Nos.	3000	24000	Inst. Level
64	Bench vice	Bench vice 120 mm. jaw, cast iron	RAC 69	8 nos	3500	28000	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
65	Electrical drill portable with chuck and key	Electrical drill portable with chuck and key,0-3000 RPM capacity 12 mm. provision of hammering, with all control of speed.	RAC 70-4, MD 120-1, CAR 119-1	6 Nos.	4800	28800	Inst. Level
66	Line tester , Heavy duty	Line tester 500 volt. Heavy duty	RAC 75	12 Nos.	100	1200	Inst. Level
67	Tong-tester	Tong-tester 0-10-30 amps. 0-500 volts (Clamp on Multimeter)	RAC 76	12 Nos.	1500	18000	Inst. Level
68	Voltmeter AC/DC portable,precision grade	Voltmeter AC/DC portable, precision grade,digital panel board type, teak wood case, leather belt, 0 to 300 volt / 0 to 500 volt	RAC 77	10 Nos.	1500	15000	Inst. Level
69	Ammeter AC/DC portable,precision grade	Ammeter AC/DC portable, precision grade teak wood case, leather belt, 0 to 5 amp/0 to 10 amp/0 to 30 amp	RAC 78	8 Nos.	1500	12000	Inst. Level
70	Wattmeter	Wattmeter,multi range upto1Kw	RAC 81	4 Nos.	1000	4000	Inst. Level
71	Wattmeter	Wattmeter,multi range upto 5Kw	RAC 82	3 Nos.	1500	4500	Inst. Level
72	Multimeter	Multimeter- analog type	RAC 83	9 Nos.	500	4500	Inst. Level
73	Multimeter	Multimeter- digital type	RAC 84-6, MD 101-5	11 Nos.	1200	13200	Inst. Level
74	Tachometer digital	Tachometer digital, multi range 0 to 3000 rpm. Portable, small size in leather case	RAC 85 -3, MD 156-1	4 Nos.	2400	9600	Inst. Level
75	Transistor tester:	Transistor tester	RAC 86	3 Nos.	4500	13500	Inst. Level
76	R.L.C. Bridge	R.L.C. Bridge	RAC 87	3 Nos.	4500	13500	Inst. Level
77	Stop watch	Stop watch Digital Type least count milli second	RAC 88	4 Nos.	250	1000	Inst. Level
78	Hand grinder small	Hand grinder small capacity,with Brush Motor & Protective Guard - 660W, Disc dia 100mm, M10	RAC 89	4 Nos.	3000	12000	Inst. Level
79	Filler, gauge	Filler, gauge 0.05 mm. -1 mm.	RAC 90-3, MD 62-4	7 Sets	250	1750	Inst. Level
80	Wire gauge metric and Whitworth	Standard Wire Gauge ,Material : Stainless Steel ,Type Metric, Range 0-36	RAC 91-4, MD 177-2	6 Sets	250	1500	Inst. Level
81	Refrigerant cylinder capacity 2.5 Kg	Refrigerant cylinder capacity 2.5 Kg.	RAC 92	6 Nos.	800	4800	Inst. Level
82	Refrigerant cylinder capacity 20 Kg.	Refrigerant cylinder capacity 20 Kg	RAC 93	6 Nos.	3500	21000	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
83	Refrigerant cylinder capacity 05 Kg.	Refrigerant cylinder capacity 05 Kg:	RAC 94	6 Nos.	2000	12000	Inst. Level
84	Scraper, triangular blade	Scraper, triangular blade removable 60 mm:	RAC 100	8 Nos.	500	4000	Inst. Level
85	Heating kit with infra red bulb	Heating Kit with infra red bulb (200 watt capacity)	RAC 104	4 Sets	800	3200	Inst. Level
86	Sensor Thermometer (digital):	Sensor Thermometer (digital) 100 to -20 degree centigrade	RAC 124	6 Nos.	900	5400	Inst. Level
87	Fin Straightener/fin comb:	Fin Straightener/fin comb	RAC 125	4 Nos.	500	2000	Inst. Level
88	HC refrigerant cylinders / disposable containers:	HC refrigerant cylinders / disposable containers	RAC 126	8 Nos.	1000	8000	Inst. Level
89	134a refrigerant cylinder	134a refrigerant cylinder,3 kg	RAC 127	6 Nos.	1000	6000	Inst. Level
90	Two way manifold with gauges	Two way manifold with gauges	RAC 136	3 Nos.	2800	8400	Inst. Level
91	Four way manifold with gauges:	Four way manifold with gauges	RAC 137	3 Nos.	4000	12000	Inst. Level
92	Schraeder valve core removal tool:	Schraeder valve core removal tool	RAC 144	4 Nos.	200	800	Inst. Level
93	Pitot tube & inclined tube manometer:	Pitot tube & inclined tube manometer	RAC 145	3 Nos.	1500	4500	Inst. Level
94	Hermetic compressors(1/6hp):	Hermetic compressors(1/6hp)	RAC 146	4 Nos.	4000	16000	Inst. Level
95	Quick couplers	Quick couplers, process tube adapters for 1/4", 3/8" tubes	RAC 150	2 Pair for Each	1000	2000	Inst. Level
96	Allen Key set of 12 pieces	Inside Caliper 15 cm Spring type Legs made of special caliper steel, with hardened measurement points Hardened and tempered bow springs	MD 1	14 no.s	200	2800	Inst. Level



S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
97	Calliper inside with spring	Calipers 15 cm Hermaphrodite, Type: Hermaphrodite, Size and Approximate Capacity (mm): 150mm, Joint Type: Firm Joint Leg Style: Flat Leg	MD 2-14,MD 33-4 , CAR 22-4	22 no.s	150	3300	Inst. Level
98	Callipers outside with spring	Calipers 15 cm Hermaphrodite, Type: Hermaphrodite, Size and Approximate Capacity (mm): 150mm, Joint Type: Firm Joint Leg Style: Flat Leg	MD 3-2, MD 34-2, CAR 23-4	8 no.s	150	1200	Inst. Level
99	Dividers with spring	Standard Divider Spring joint of 150 mm Length made of Stainless Steel.	MD 5	14 no.s	350	4900	Inst. Level
100	Electrician Screw Driver	Electrician Screw Driver 250mm having blade made from high grade Silicon - Manganese steel which no other make uses. This steel gives spring effect also.Hardness on tip : 55 to 58 HRC.	MD 6	14 no.s	800	11200	Inst. Level
101	Hammer ball peen with handle	Hammer ball peen 0.5 kg made of heat treated forged high-carbon steel or alloy steel	MD 7	14 no.s	350	4900	Inst. Level
102	Philips Screw Driver set of 5 pieces	Screw driver 20cm.X 9mm. Blade BladeWorking tips centered & ground to 90° included angle	MD 9	14 no.s	700	9800	Inst. Level
103	Pliers combination	the Pliers should made from high grade Steel, forged and differentially heat treated to give best performance. Fully insulated with quality plastic material sleeves ensures safe electrical working.	MD 10	14 no.s	1000	14000	Inst. Level
104	Scriber	15 cm. Scriber 15 cm Double ended - one straight point & other bent at 90°,Points are hardened 55 - 60 HRC	MD 13	14 no.s	250	3500	Inst. Level
105	Spanner D.E. set of 12 pieces	6mm to 32mm. It should made from high grade steel,forged and accurately machined.Hardened and tempered to give long trouble free service. Provide with appropriate surface protection for rust prevention.	MD 14	14 no.s	1500	21000	Inst. Level
106	Spanner, ring set of 12	6 to 32 mm. (metric). Standard Forged Ring Spanner set consisting of 12 pieces size varying from 6 mm to 32 mm made of Chrome Vanadium Steel and Chrome Plated .	MD 15	14 no.s	1500	21000	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
107	Steel rule	30 cm inch and metric. Steel rule 300 mm(graduated both English and metric) as per IS 1481"Easy-Read" Metric/Inch Stainless Steel Etched Ruler with zero at the edge	MD 17	14 no.s	200	2800	Inst. Level
108	Steel tool box with lock and key (folding type)	400x200x150 mm. Standard folding type Steel Tool box with lock and Key arrangement having size of 400 X 200X 150 mm	MD 18	14 no.s	1000	14000	Inst. Level
109	Wire cutter and stripper	An ISI marked Standard Wire cutter and stripper of good quality,with locking system provision & fibre glass nylon handles or easy grip.	MD 19	14 no.s	400	5600	Inst. Level
110	Adjustable spanner (pipe wrench)	350 mm.Jaws should be Drop forged from high-grade carbon steel. Heat treated and suitably knurled nut for the pipe wrenches stronger ensuring high torque values. Phosphated and painted to guard against rusting.A pipe wrench of max opening 350 mm. make- Taparia/ reputed make	MD 20	2 no.s	800	1600	Inst. Level
111	Air blow gun with standard accessories	Air pressure 30- 70 psi, Air consumption 7 - 8 (cfm)	MD 21	1 no.s	420	420	Inst. Level
112	Allen Key set of 12 pieces	2mm to 14mm. Made from expensive high grade alloy steel.	MD 22	4 no.s	500	2000	Inst. Level
113	Ammeter DC with external shunt	300A/ 60A, analog meter	MD 23	4 no.s	300	1200	Inst. Level
114	Air ratchet with standard accessories	1/2 Inch Pneumatic/Air Ratchet tool. 1/2 inch bolt capacity : 8-13 mm max.	MD 24	4 no.s	3800	15200	Inst. Level
115	Air impact wrench with standard accessories	1/2" AIR Impact Wrench KIT with Accessories SOCKETS	MD 25	4 no.s	4500	18000	Inst. Level
116	Angle plate adjustable	250x150x175mm	MD 26	1 no.s	400	400	Inst. Level
117	Angle plate size	Angle plate with size 200x100x200mm	MD 27	2 no.s	400	800	Inst. Level
118	Anvil with Stand	Cast Iron anvil, 50 Kgs	MD 28	1 no.s	4000	4000	Inst. Level
119	Battery –charger	car battery charger 12v heavy duty fully automatic copper based solid Car/Bike/generator, 5 meters flexible in case	MD 30	2 no.s	1600	3200	Inst. Level
120	Blow Lamp	1 litre. Material- Brass	MD 31	2 no.s	600	1200	Inst. Level

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121	Chisel flat	10 cm. Standard Cold flat chisel made of Chrome Vanadium Steel hardened having dimensions 20 mm x 100 mm.	MD 37	4 no.s	250	1000	Inst. Level
122	Chisels cross cut	200 mm X 6mm. Standard Cold flat chisel made of Chrome Vanadium Steel hardened having dimensions 20 mm x 6 mm.	MD 38	4 no.s	250	1000	Inst. Level
123	Circlip pliers Expanding and contracting	15cm and 20cm. Standard Circlip Plier External having 20 Cm and 15 Cm Length. Standard Circlip Plier Internal having 20 Cm and 15 Cm Length.The material must be drop forged.	MD 39	4 each	800	3200	Inst. Level
124	Clamps C	100mm. A Standard C Clamp made of Steel and width of 100 mm	MD 40	2 no.s	250	500	Inst. Level
125	Clamps C	150mm. A Standard C Clamp made of Steel and width of 150 mm	MD 41	2 no.s	400	800	Inst. Level
126	Clamps C	200mm. A Standard C Clamp made of Steel and width of 200 mm	MD 42	2 no.s	475	950	Inst. Level
127	Cleaning tray	45x30 cm.	MD 43	4 no.s	550	2200	Inst. Level
128	Compression testing gauge suitable for diesel Engine with standard accessories	Compression testing gauge kit suitable for diesel engine. For accurate readings in valves , piston rings , cylinder bores or head gaskets .Manometer with double graduation ( 0 to 300 psi , 0- 21 kg / cm 2 ) and with rubber protection to prevent scratches. Drain valve with full copper nickel plating, anti -oxidation and corrosion compression tester of 0-21 bar and 0-300 psi. Adapters of 4 different sizes M 10 x 1.0, M 12 x 1,25, M 14 x 1,25 and M 18 x 1,5. Provide with a case or box.	MD 44	2 no.s	3000	6000	Inst. Level
129	Copper bit soldering iron	0.25 Kg	MD 46	4 no.s	450	1800	Inst. Level
130	Cylinder liner- Dry & wet liner, press fit & slidefit liner	upto 350 mm, Cast iron material.	MD 48	1 each	3000	3000	Inst. Level
131	DC Ohmmeter	0 to 300 Ohms	MD 49	2 no.s	1500	3000	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
132	Different type of Engine Bearing model	Stainless steel models of different automobile bearings	MD 52	1 set	3000	3000	Inst. Level
133	Different type of piston model	models of different crown shapes of pistons	MD 53	1 set	3000	3000	Inst. Level
134	Dividers with Spring	15 cm. Standard Divider Spring joint of 150 mm Length made of Stainless Steel.	MD 54	4 no.s	250	1000	Inst. Level
135	Drift Punch Copper	15 Cm. Drift punch copper 15 cm Copper length - 15 cm (150 mm), diameter - 1.0 cm(10mm)	MD 55	4 no.s	200	800	Inst. Level
136	Drill point angle gauge	Angle Measuring Gauge Drill Bit Angle (60 °, 70 °, 90 °, 110 °, 118 °, 125 °, 135 °, 150 °, 160 °)	MD 56	1 no.s	1200	1200	Inst. Level
137	Electric testing screw driver	Electric testing Screw Driver 100 mm having blade made from high grade Silicon - Manganese steel.	MD 59	4 no.s	100	400	Inst. Level
138	Engineer's square	Blade size 15 cm. Engineers Try Square 150 mm with knife edge Made from high quality tool steel,Hardened and tempered blades	MD 60	4 no.s	400	1600	Inst. Level
139	File flat , bastard	20 cm. Hand file 20 cm. bastard	MD 63	4 no.s	250	1000	Inst. Level
140	File, Square round	30 cm	MD 66	4 no.s	250	1000	Inst. Level
141	File, triangular , second cut	15 cm. Hand file 15 cm. smooth triangular.	MD 67	4 no.s	250	1000	Inst. Level
142	Files assorted sizes and types including safe edge file (20 No's)	A Set of assorted files of all sizes and types including safe edge files with wooden handle made of red coloured sheesham wood .Total number of files must be 20 including Safe Edge file flate basterd 300mm ,file flate fine 200mm,file smooth 200mm,file Square 300mm,file half round 200mm,file triangular 150mm,round 200mm dia 20mm	MD 68	2 each	4000	8000	Inst. Level
143	Flat File , bastard	35 cm	MD 70	4 no.s	300	1200	Inst. Level
144	Glow plug tester	Digital glow plug tester	MD 75	2 no.s	2500	5000	Inst. Level
145	Grease Gun	Grease pipe made up of metal. Pump Ratio: 40:1 at 150 psiMax. Grease Pressure: 6,000 psi (414 bar)Air Pressure Range: 40-150 psi (2.8 – 10.3 bar)	MD 77	2 no.s	1200	2400	Inst. Level

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146	Grease Gun heavy duty trolley type	10 kg capacity	MD 78	1 no.s	2800	2800	Inst. Level
147	Growler	A Growler set capable of producing 10 A current at secondary output when operated on 220-230 Volt	MD 79	2 no.s	2500	5000	Inst. Level
148	Hammer Ball Peen	Hammer ball peen 0.75 kg made of heat treated forged high-carbon steel or alloy steel and a handle made of wood	MD 81	4 no.s	300	1200	Inst. Level
149	Hammer Chipping	0.25 Kg Heavy Duty Chipping Hammer with handle	MD 82	5 no.s	200	1000	Inst. Level
150	Hammer copper with handle	1 Kg Copper Hammer Ball Peen Type/Copper Mallet with wooden Handle	MD 83	4 no.s	3000	12000	Inst. Level
151	Hammer Mallet	400 Grams Wooden Mallet/Hammer for Workshop	MD 84	4 no.s	350	1400	Inst. Level
152	Hammer Plastic	Soft Faced Hammerwith handle Model No SFH 30 , Make Taparia	MD 85	4 no.s	350	1400	Inst. Level
153	Hand operated crimping tool	A hand operated crimping tool for crimping (i) for crimping up to 4mm and (ii) for crimping up to 10mm.	MD 86	2 each	2000	4000	Inst. Level
154	Hand reamers adjustable	An adjustable hand reamer made up of HSS(High Speed Steel) having range from 10.5 to 11.25 mm , 11.25 to 12.75 mm 12.75 to 14.25 mm, 14.25 to 15.75 mm, For keeping of above material PVC or wooden box should be provided along with material. As per indian standerd	MD 87	2 set	4000	8000	Inst. Level
155	Hand Shear Universal	250mm	MD 88	2 no.s	1000	2000	Inst. Level
156	Hand vice	Up to 37 mm,	MD 89	2 no.s	500	1000	Inst. Level
157	Insulated Screw driver	Sizre 20 cm x 9mm blade Make Taparia/PYE	MD 94	4 no.s	180	720	Inst. Level
158	Insulated Screw driver	Size 30 cm x 9mm blade , Make Taparia/PYE	MD 95	4 no.s	200	800	Inst. Level
159	Left cut snips	Size 250mm ,High Quality Alloy Steel, Heat treated Blade - Plier jaws are made of Chrome Vanadium Steel, High Hardness, Shear Sharp	MD 96	4 no.s	600	2400	Inst. Level
160	Lifting jack screw	MECHANICAL Screw JACK Capacity 3 TON, 5 Ton AND 20 Ton. Ideal for use with Trucks Lorry, Tractor, Trailer Trolley etc. Portable, Leak-proof ,Heavy Base ,Lifting Range: 230-355 mm	MD 97	1 each	4500	4500	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
161	Magneto spanner set with 8 spanners	A standard forged magneto spanner set of 8 spanners	MD 98	1 set	1700	1700	Inst. Level
162	Magnifying glass	75mm dimension	MD 99	2 no.s	800	1600	Inst. Level
163	Oil pump for dismantling and assembling.	Oil pump for dismantling and assembling.	MD 103	2 no.s	1700	3400	Inst. Level
164	Oil Stone	15 cm x 5 cm x 2.5 cm giving Mirror Shining on Platinum, White Metal, Silver, Gold, Chrome Plated Articles	MD 104	1 no.s	600	600	Inst. Level
165	Pipe cutting tool	enables the user to cut through thick plastic pipes with maximum efficiency.	MD 111	2 no.s	3000	6000	Inst. Level
166	Pipe flaring tool	for producing 45 Degree flares in soft copper, brass, aluminum and mild steel tubing.	MD 112	2 no.s	700	1400	Inst. Level
167	Piston ring compressor	Piston ring compressor, Size: 40 to 100 mm , Material : Stainless Steel , Application Workshop Tool	MD 113	2 no.s	500	1000	Inst. Level
168	Piston Ring expander and remover.	Piston ring expander, Size: 40 to 100 mm , Material : Stainless Steel , Application Workshop Tool	MD 114	2 no.s	500	1000	Inst. Level
169	Piston Ring groove cleaner.	should be able of Quick and reliable removal of carbon deposits from piston ring grooves	MD 115	1 no.s	2000	2000	Inst. Level
170	Pliers combination	20 cm.Sparkless Non Magnetic Titanium Combination Pliers	MD 116	2 no.s	800	1600	Inst. Level
171	Pliers round nose	15 cm Pliers round nose	MD 118	2 no.s	200	400	Inst. Level
172	Pliers side cutting	15 cm Pliers side cutting	MD 119	2 no.s	200	400	Inst. Level
173	Prick Punch	15 cm	MD 121	4 no.s	200	800	Inst. Level
174	Punch Letter 4mm (Number)	Alloy Steel Metal Stamp Set Number and Letter Punch Set in a Wooden case	MD 122	2 sets	850	1700	Inst. Level
175	Radiator cut section-cross flow	Coolant Used water synthetic oil,aluminium made	MD 123	1 no.s	3000	3000	Inst. Level
176	Radiator cut section-down flow	Coolant Used water synthetic oil	MD 124	1 no.s	3000	3000	Inst. Level
177	Radiator pressure cap	keep the system pressure at 16 PSI	MD 125	2 no.s	100	200	Inst. Level
178	Right cut snips	250mm tin snips for easy cutting from any angle (left, right, straigh	MD 126	2 no.s	400	800	Inst. Level

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179	Rivet sets snap and Dolly combined	3mm, 4mm, 6mmSnap-on rivet sets are made with high-grade, shock-resistant steel, and engineered with a blended radius and highly polished cup free of machine marks and ridges	MD 127	2 no.s	800	1600	Inst. Level
180	Scraper flat	25 cm	MD 128	2 no.s	1000	2000	Inst. Level
181	Scraper half round	25 cm	MD 129	2 no.s	1000	2000	Inst. Level
182	Scraper Triangular	25 cm	MD 130	2 no.s	1000	2000	Inst. Level
183	Scriber	15 cm	MD 131	2 no.s	100	200	Inst. Level
184	Scriber with scribing black universal	Scriber with scribing black universal	MD 132	2 no.s	200	400	Inst. Level
185	Set of stock and dies - Metric	Set of stock and dies -Metric	MD 133	2 sets	1000	2000	Inst. Level
186	Tinnman's Shear	450 mm x 600mm dimension	MD 134	2 no.s	2100	4200	Inst. Level
187	Sheet Metal Gauge	indicates the standard thickness of sheet metal for a specific material	MD 135	2 no.s	100	200	Inst. Level
188	Tinnman'sShear	300mm Tinnman'sShear	MD 136	4 no.s	800	3200	Inst. Level
189	Soldering Copper	Hatchet type 500gms	MD 137	2 no.s	120	240	Inst. Level
190	Solid Parallels in pairs (Different size) in Metric	Solid Parallels in pairs (Different size) in Metric	MD 138	2 no.s	700	1400	Inst. Level
191	Spanner Clyburn	15 cm Spanner Clyburn	MD 139	1 no.s	500	500	Inst. Level
192	Spanner D.E. set of 12 pieces	6mm to 32mm	MD 140	4 no.s	600	2400	Inst. Level
193	Spanner T. flocks for screwing up and up-screwing inaccessible	Spanner T. flocks for screwing up and up- screwing inaccessible	MD 141	2 no.s	800	1600	Inst. Level
194	Spanner, adjustable	15cm spanner	MD 142	2 no.s	500	1000	Inst. Level
195	Spanner, ring set of 12 metric sizes	Standard Spanner socket set of sizes upto 32 mm dia having total no. of 28 pieces and with speed handle ,T Bar Ratchet and universal type made of Chrome Vanadium Steel and Chrome Plated and the box should be metal box.	MD 143	4 no.s	800	3200	Inst. Level

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196	Spanners socket with speed handle, T-bar, ratchet and universal	Standard Spanner socket set of sizes upto 32 mm dia having total no. of 28 pieces and with speed handle ,T Bar Ratchet and universal type made of Chrome Vanadium Steel and Chrome Plated and the box should be metal box.	MD 144	2 no.s	700	1400	Inst. Level
197	Spark lighter	capable of lighting any flammable gas.	MD 145	2 no.s	800	1600	Inst. Level
198	Spark plug spanner 14mm x 18mm x Size	A spark plug spanner 14 mm X 18 mm X 10 mm made up of drop forged material.	MD 146	2 no.s	150	300	Inst. Level
199	Steel rule 15 cm inch and metric	Steel rule 150 mm (graduated both English and metric) as per IS 1481 easy-Read" Metric/Inch Stainless Steel Etched Ruler with zero at the edge	MD 149	4 no.s	100	400	Inst. Level
200	Steel rule 30 cm inch and metric	Steel rule 300 mm(graduated both English and metric) as per IS 1481Easy-Read" Metric/Inch Stainless Steel Etched Ruler with zero at the edge	MD 150	4 no.s	200	800	Inst. Level
201	Stud extractor set of 3	A 4 Piece ,0.5 inch drive socket type Stud extractor set for stud sizes 6,8,10 and 12 mm in storage casemade up of PVC/metal and material of the tool is Chrome Vanadium Steel	MD 153	2 sets	2000	4000	Inst. Level
202	Tandem master cylinder with booster	Master cylinders convert the pressure applied by the driver's foot and amplified by the brake booster into hydraulic pressure.	MD 157	4 no.s	1400	5600	Inst. Level
203	Taps and Dies complete sets (5 types)	A complete set of 5 Types of Taps and Dies in 12mm, 14mm, 16mm, 20mm, 24mm, respects .Tap material must be HSS .	MD 158	1 set	1500	1500	Inst. Level
204	Taps and wrenches - Metric	A complete set of Taps and Dies in 12mm, 14mm, 16mm, 20mm, 24mm,3 to 12 mm adjudtable. Material HSS	MD 159	2 sets	1500	3000	Inst. Level
205	Telescope gauge	Telescopic Gauge Set, 8-150 mm , 6 pcs	MD 160	4 no.s	2500	10000	Inst. Level
206	Temperature gauge with sensor	Dial Thermometer Capillary Temperature Gauge with 1.5m Sensor 0-120°C for Measuring Water Liquid	MD 161	2 no.s	800	1600	Inst. Level
207	Thermostat	Thermostat	MD 162	2 no.s	1200	2400	Inst. Level
208	Trammel	30 cm	MD 166	2 no.s	1200	2400	Inst. Level
209	Tyre pressure gauge with holding nipple	Tyre pressure gauge with holding nipple	MD 168	2 no.s	300	600	Inst. Level



S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
210	Universal puller for removing pulleys, bearings	3-Jaw/Legs Double Ended Mechanical Bearing Puller with Double Hole to Extend Size for Removing Gear Sprocket Bearings Pulley (10 Inch/250 mm)	MD 169	1 no.s	1000	1000	Inst. Level
211	Valve Lifter	Valve lifter clamp professional tool For mechanic's workshops For fitting and removing valve springs Screw adjustment model, straight clamps	MD 172	1 no.s	2000	2000	Inst. Level
212	Valve spring compressor universal	Valve spring compressor, Usage: Cylinder head off Material: Steel Make - vertex/ comp cams / reputed make	MD 173	1 no.s	2000	2000	Inst. Level
213	Vice grip pliers	Made from high grade chrome vanadium steel, Ideal for precision jobs like tightening, clamping, twisting and turning size 10 inch	MD 175	2 no.s	600	1200	Inst. Level
214	Protractor	Protractor celluloid 15 cm semi- circular.	DMC 2	10 Sets	28	280	Inst. Level
215	Protractor Full- circular	Protractor celluloid 15 cm Full- circular.(Made from virgin acrylic sheet)	SUR 2	52 Sets	40	2080	Inst. Level
216	Scale card board	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, 1:1000, 1:2000,1:1250, 1:6000, 1:38 1/3, 1:66 2/3, Draftsman Scale ( Card Board Scale) – Set Of 8 Scales	DMC 3 /SUR 3	52 Sets	115	5980	Inst. Level
217	Scales plotting box	Scales plotting box wood 6 metric scales 30 cms long with offset scales.	DMC 4	52 Sets	322	16744	Inst. Level
218	Scale –Metric and section	Scale –Metric and section wooden 30 cm long marked with eight scales -1:1, 1:2, 1:2:5, 1:10, 1:20, 1:50, 1:100, 1:5.	DMC 5	52 Sets	172.5	8970	Inst. Level
219	Board drawing	drawingBoard 1250mmx900mmx 20mm seasoned wood	DMC 8/SUR 5	52 Sets	2760	143520	Inst. Level

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220	Square T	Square T 1250mm/Mini drafter, channels are made from Aluminum by pressure die-coasting process to provide better grip and free working. Arms made from bright bars and its powder coated square plate channel protect against corrosion and enhances finish. Brass Rivets made out from Extruded grade Brass, Scale made out from Polycarbonate.	DMC 9/SUR 6	52 Sets	375	19500	Inst. Level
221	Geometrical Models	i) Cube 08 cm sides.i) Cube 08 cm sides. ii) Rectangular parallel piped 8cmX15cm 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	DMC 10	2 Each	85	1360	Inst. Level
222	French curves	French curves transparent plastic set of 12	DMC 11/SUR 10	56 Nos	80	4480	Inst. Level
223	Flexible curves 80 cm long	Flexible curves 80 cm long	DMC 12/SUR 11	56 Nos	365	20440	Inst. Level
224	Calculator	calculator scientific (big size) dual power , 8 digit , LCD panel and display of both scientific and arithmetic operations simultaneously	DMC 16/SUR 13	54 Nos	1610	86940	Inst. Level
225	Planimeter	Planimeter sliding bar pattern 70 cm complete in case with magnifier and instructions reading in metric units.	DMC 17/SUR 14	1 Nos	2300	2300	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
226	Land measuring chain	Land measuring chains 30 meters (100' long)made from 8 swg dia mild steel wires divided into 100 links , with brass tags at every 10 links intervals in distinguishable pattern , with brass handles with swivel joint and with 10 arrows made up of good quality M.S wires of 4mmφ and 40 cm length	DMC 38/SUR 40	5 Nos	690	3450	Inst. Level
227	Steel tape	Steel tape 30 meters long in a leather or PVC case	DMC 39/SUR 41	4 Nos	400	1600	Inst. Level
228	Ranging rods	Ranging rods wooden fitted	DMC 40/SUR 43	25 Nos	345	8625	Inst. Level
229	Optical square	Optical square box type circular	DMC 42/SUR 45	4 Nos	1725	6900	Inst. Level
230	Levelling staffs	Levelling staffs 4 metres reading to 5 mm telescopic type.	DMC 44/SUR 49	5 Nos	865	4325	Inst. Level
231	Prismatic compass with stands	Prismatic compass With Aluminium stand , size 4" DIA	DMC 46	2 Nos	1440	2880	Inst. Level
232	Pan	Pan M.S 25 cm dia	DMC 48	6 Nos	230	1380	Inst. Level
233	Farma	Farma wooden for measuring aggregates	DMC 49	1 Nos	1380	1380	Inst. Level
234	Bucket	Bucket G.I, 35 cm dia	DMC 50	4 Nos	345	1380	Inst. Level
235	Masons plumb rule	Masons plumb rule with sprit level	DMC 51	4 Nos	400	1600	Inst. Level
236	Sieve for sand	Sieve for sand 22 mm/100X60 cms	DMC 55	1 Nos	290	290	Inst. Level
237	Tool caulking set	Tool caulking set CB 6	DMC 56	2 Nos	290	580	Inst. Level
238	Brick hammer	Brick hammer with handle	DMC 57	1 Nos	170	170	Inst. Level
239	Rule fold	Rule fold wooden 60 cm	DMC 58	4 Nos	92	368	Inst. Level
240	Motor board	Motor board	DMC 60	4 Nos	1380	5520	Inst. Level
241	Wire brush	Wire brush	DMC 61	4 Nos	23	92	Inst. Level
242	Wooden float	Wooden float	DMC 62	4 Nos	90	360	Inst. Level
243	Spirit level	Spirit level 30 cm	DMC 64	2 Nos	105	210	Inst. Level
244	Spade	Spade	DMC 68	4 Nos	290	1160	Inst. Level
245	Measuring tape	Measuring tape steel 30 metres	DMC 69	4 Nos	425	1700	Inst. Level
246	Ladder	Ladder aluminium 3 metres	DMC 70	4 Nos	4600	18400	Inst. Level
247	Pickaxe	Pickaxe	DMC 71	2 Nos	405	810	Inst. Level
248	Crow bar	Crow bar 3 cm dia 1.5 lag	DMC 73	2 Nos	520	1040	Inst. Level
249	Binoculars	Binoculars	DMC 75	2 Nos	1725	3450	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
250	Erasing Shield	Erasing shield small size made of high quality stainless steel. Polished finish.	SUR 7	6 Nos	40	240	Inst. Level
251	Architect's & builder's template	Architect's & builder's template	SUR 8	26 Nos	230	5980	Inst. Level
252	Drawing machine (Horizontal type)	Drawing machine (Horizontal type)	SUR 9	52 Nos	2300	119600	Inst. Level
253	Metallic tape	Metallic tape 15 m	SUR 12	52 Nos	345	17940	Inst. Level
254	Steel tape	Steel tape 20 m in leather case.	SUR 42	2 Nos	385	770	Inst. Level
255	Wooden geometry box for chalk board	Wooden geometry box for chalk board: Description : Soft wood, contains one each of Divider, Protractor, Set square 45 angle, Set square 60 angle, Compass, Straight Rule and a Duster. Each with a finger grip for convenient handling. Packed in a well polished wooden box, fitted with brass fittings and a handle for carrying.	SUR 32	2 Nos	1199	2398	Inst. Level
256	Foot rule/steel tape	Two ft. Four fold/6 mtrs.Stainless Steel blade of length 300mmx width 25mmx18 gauge. Inch,cm & mm engraved on the scale	CAR 1	52 nos.	100	5200	Inst. Level
257	Steel Measuring Scale	Twelve inch	CAR 2	52 nos.	100	5200	Inst. Level
258	Marking Knife	Marking Knife 200 MM, material - High Carbon steel,(point end and chisel edge)	CAR 3	52 nos.	100	5200	Inst. Level
259	Try Square	Carpenter Square 200 MM Length blade - 200mm Blade material- - tempered steel, stock 120 MM, material -cast iron steel	CAR 4	52 nos.	200	10400	Inst. Level
260	Bevel Square	200mm Tempered steel Blade adjustable with fly nut, 200 mm blade length with Stock 100 mm	CAR 5	52 nos.	400	20800	Inst. Level
261	Carpenter marking gauge	Carpenter marking gauge.stem length 200mmx15mmx15mm - shisham wood & stock block 50 x 50 x 25 mm shisham wood Thumb screw - steel point/pin - steel ,	CAR 6	52 nos.	350	18200	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
262	Carpenter mortise gauge	Carpenter mortice gauge stem length200x 15x15mm - & Stock block 50mm x 50mm x25mm ,shisham wood with Thumb screw , steel pin- one fixed and other movable in brass, pin adjustable	CAR 7	52 nos.	400	20800	Inst. Level
263	Hand Saw	open handle made of plastic ,length of blade - 450mm taper blade material - high carbon steel	CAR 8	52 nos.	100	5200	Inst. Level
264	Tenon saw	Saw tenon 300 MM Wooden handle closed , length of blade 300mm parallel , high carbon stee	CAR 9	52 nos.	650	33800	Inst. Level
265	Metal Jack plane	Plane jack metal 335 x50 mm cutter, stock length - 335mm - carbon steel cutter, width 50mm,cast iron body, handle & knob wooden/plastic	CAR 10	52 nos.	500	26000	Inst. Level
266	Metal smoothing plane	Plane smoothing metal 200x50 mm cutter, stock length - 200mm - cast steel cutter width .50mm high carbon steel	CAR 11	52 nos.	650	33800	Inst. Level
267	Firmer/Bevel edge Chisel	Chisel Firmer(Bevel edged) seasoned hard sheesham Wooden handle with ferrule(top & bottom), blade - high carbon steel width of blade 6,10,15,20 and 25mm (5 no's)	CAR 12	52 nos. each	300	15600	Inst. Level
268	Mortise chisel	Chisel Mortice seasoned Wooden handle with ferrule (top & bottom), blade - high carbon steel width of blade 6,10,15,mm (3 no's)	CAR 13	52 nos. each	400	20800	Inst. Level
269	Mallet	Mallet medium size, size - 6"( slight curved type) material - Hard shisham wood, handle - Tapered rectangle type	CAR 15	52 nos.	250	13000	Inst. Level
270	Claw hammer	Claw hammer drop forged carbon steel with seasoned hard seesham wood handle, hardened and tempred ends, chorme plated Wt. 500 gm.	CAR 16	52 nos.	350	18200	Inst. Level
271	Oil stone (consumable)	Oil stone (Carborundum) (Universal silicon carbide combination rough and fine) 200 x 50 x 25 mm, for sharpening	CAR 17	52 nos.	250	13000	Inst. Level
272	Contraction measuring scale	as per standard size	CAR 18	52 nos.	200	10400	Inst. Level
273	Hand brush for cleaning	450mm	CAR 19	52 nos.	150	7800	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
274	Construction scale	Construction scale 1metre, Length - 1 meter x 25 mm x 16 gauge thickness material - stainless steel graduation in mm,cm and inches engraved on it.	CAR 21	4 nos.	250	1000	Inst. Level
275	Wing compass	Carbon steel 300 mm length, heavy duty cast alloy body hardened steel point, fully polished	CAR 24	4 nos.	200	800	Inst. Level
276	Trammel	a pair of steel trammel point, length of point 100 mm, length of steel beam 450mm	CAR 25	2 pair	1500	3000	Inst. Level
277	Sprit level	Body stainless steel, length 300 mm	CAR 26	2 nos.	300	600	Inst. Level
278	Rip saw	Made of high carbon steel 600 mm, plastic handle	CAR 27	4 nos.	450	1800	Inst. Level
279	Cross cut saw	Made of high carbon steel 250 mm, plastic handle	CAR 28	2 nos.	450	900	Inst. Level
280	Key hole saw	Made of high carbon steel (250mm blade tapered)seasoned wooden handle	CAR 29	2 nos.	400	800	Inst. Level
281	Fret saw frame	Fret saw frame 150 mm, Depth of frame - 150mm material frame - cast iron, blade- H.S.steel.	CAR 30	2 nos.	150	300	Inst. Level
282	Compass saw	Made of high carbon steel (length 350mm, blade tapered)seasoned wooden handle	CAR 31	4 nos.	250	1000	Inst. Level
283	Adze	Adze 1.5 Kg, material - forged steel, handle - seasoned hard seeham wood	CAR 32	4 nos.	400	1600	Inst. Level
284	Trying plane metal	450 mm X 60 mm Cutter	CAR 33	2 nos.	1755	3510	Inst. Level
285	Plough plane	Plough Plane set of 8 cutterUp to 12 mm width, body metal, cutter width 3,4,5,6,8,10and 12 mm material - high carbon steel	CAR 35	4 nos.	2500	10000	Inst. Level
286	Spoke shaves	Spoke shaves 50 mm cutter, body metal material - high carbon stee	CAR 36	8 nos.	400	3200	Inst. Level
287	Plane adjustable circular	Body Metal - adjustable, stock size - 250mm, sole flexible, spring steel, cutter 45mm	CAR 37	4 nos.	2000	8000	Inst. Level
288	Router plane	197 X 42 mm.Body hard seasoned sheesham wood with cutter	CAR 38	4 nos.	600	2400	Inst. Level
289	Moulding plane set	Body hard seasoned sheesham wood with cutter	CAR 39	4 nos.	800	3200	Inst. Level
290	Cabinet scraper	Cabinet scraper 100 mm Blade width - 100mm high carbon steel, with handle wooden.	CAR 40	4 nos.	150	600	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
291	Gauge chisel, firmer	Width of curved blade 6mm,10mm,12mm,16mm and 20mm material high carbon steel seasoned hard seesham wood handle	CAR 41	8 sets	625	5000	Inst. Level
292	Gauge chisel, scribing	width of curved blade 6mm,10mm,12mm,16mm and 20mm material high carbon steel, seasoned hard seesham wood handle	CAR 42	8 sets	750	6000	Inst. Level
293	Ball pein hammer	weight - 600gms Handle - hard shisham wood body - forged steel	CAR 43	4 nos.	350	1400	Inst. Level
294	Cross pein hammer	weight - 600gms,with wooden handle	CAR 44	4 nos.	300	1200	Inst. Level
295	Screw driver	cabinet type , length of blade - 450mm, handle plastic/ nylon , blade - toughened steel	CAR 45	4 nos.	200	800	Inst. Level
296	Screw driver	cabinet type , length of blade - 150mm, handle plastic/ nylon , blade - toughened steel	CAR 47	4 nos.	125	500	Inst. Level
297	Pincer	Drop forged from Carbon Steel. Body Hardened & tempered. Heads Polished, length 200 mm.	CAR 48	13 nos.	100	1300	Inst. Level
298	File half round	2nd cut 250 mm.material - high carbon steel with hard seesham wood handle	CAR 49	8 nos.	250	2000	Inst. Level
299	File half round	Wood rasp bastard250mm.material - high carbon steel with hard seesham wood handle, 250mm	CAR 50	8 nos.	375	3000	Inst. Level
300	File slim taper	material - high carbon steel hard seesham wood handle, 100 mm	CAR 51	12 nos.	100	1200	Inst. Level
301	File slim taper	material - high carbon steel with hard seesham wood handle, 150 mm	CAR 52	12 nos.	125	1500	Inst. Level
302	Card file (steel) wire brush for file	Card file (steel)wire brush for file size 200mm with wooden body	CAR 53	4 nos.	100	400	Inst. Level
303	Hands drill	MAX DRIL DIA 6MM , RATED VOLTAGE- LAGGING 110-220VOLT, NO OF LOAD SPEED 0-3000RPM, WEIGHT 2KG FRQ. 50-60 HTZ, RATED INPUT VOLTAGE 550 WATT	CAR 54	8 nos.	4679	37432	Inst. Level
304	Country drill with bow (ball bearing type)	620 X 726 mm body hard shisham wood with ball bearing & bit chuck with bow	CAR 55	4 nos.	1000	4000	Inst. Level
305	Ratchet brace	250 mm Swap.Ratchet brace 250 mm swap chuck size -up to 12mm capacity with handle	CAR 56	4 nos.	600	2400	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
306	Hand auger	10,12,14,16,18,20,22,25 mm.material - high carbon steel handle - wooden	CAR 57	2 sets	500	1000	Inst. Level
307	Centre bits	Centre bits 6,8,10,12 mm, material - high carbon steel.	CAR 58	2 sets	250	500	Inst. Level
308	Expansion bit sets	218 X 171 mm.Expansion bit sets Range 1/2 " to 2" adjustable material - high carbon steel	CAR 59	2 sets	500	1000	Inst. Level
309	Twist drill bits	Drill bits 6,8,10,12 mm material H.S steel	CAR 60	2 sets	500	1000	Inst. Level
310	Counter sink bit rose type	12 mm H.S steel,	CAR 61	4 nos.	400	1600	Inst. Level
311	Breast drill	1. Cast Iron Body (Graded Casting) 2. Wooden Handle for gripping 3. Heavy Duty Precision 3 Jaw Drill Chucks 4.6mm capacity manually operated	CAR 62	2 nos.	700	1400	Inst. Level
312	Centre punch	H.C steel,5mm, Length 100 mm	CAR 63	4 nos.	100	400	Inst. Level
313	Snip straight	material-Carbon steel, 200 mm length	CAR 64	4 nos.	100	400	Inst. Level
314	Combination side cutting pliers	250 X 250 mm.Combination pliers 250 mm length ,insulated grip	CAR 66	2 nos.	250	500	Inst. Level
315	Plunger saw set/ pistol grip type.	300 X 300 mm.Plunger saw set / pistol grip type Length - 8", opening 3mm, body Carbon steel	CAR 67	2 nos.	250	500	Inst. Level
316	Number punch	12mm Letter Height, Easy to Read Font High carbon Hardened Steel w/ anti chip striking face, Plastic Case.	CAR 68	2 sets	200	400	Inst. Level
317	Slip stone	Slip stone 100 mm carborundum . Silicon carbide size - 100mm	CAR 69	8 nos.	150	1200	Inst. Level
318	Round crow bar	Round Crow bar with chisel and claw end 1070 x 25 mm, material - high carbon steel	CAR 70	2 nos.	1000	2000	Inst. Level
319	'G' clamp	size-100mm, frame - cast/ malleable body spindle - steel handle with swivel head	CAR 71	8 nos.	300	2400	Inst. Level
320	'G' clamp	size-150mm, frame - cast/ malleable body spindle - steel handle with swivel head	CAR 72	8 nos.	350	2800	Inst. Level
321	'G' clamp	size-250mm, frame - cast/ malleable body spindle - steel handle with swivel head	CAR 73	4 nos.	450	1800	Inst. Level



S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
322	'T' bar cramp	size - 0.6meter , material - malleable/SG Iron jaws, fine thread spindle (jaws)rod - steel	CAR 74	8 nos.	800	6400	Inst. Level
323	'T' bar cramp	1.25 meter, material - malleable/SG Iron jaws, fine thread spindle (jaws)rod - steel	CAR 75	4 nos.	1000	4000	Inst. Level
324	'T' bar cramp	1.75 meter material - malleable/SG Iron jaws, fine thread spindle (jaws) rod - steel	CAR 76	2 nos.	1200	2400	Inst. Level
325	Carpenter vice	250mm jaws; Materials :- Body and sliding jaw : SG cast Iron of guaranteed strength. Slide Bars : Solid Steel Main Screw : High Quality Steel Body- SG Cast iron with steel spindle	CAR 77	26 nos.	4809	125034	Inst. Level
326	Saw sharpening vice	Saw Sharpening Vice 250mm Materials :- Body and sliding jaw : SG CAST Iron of guaranteed strength. Slide Bars : Solid Steel Main Screw : High Quality Steel Body-SG Cast iron with steel spindle	CAR 78	2 nos.	4500	9000	Inst. Level
327	Carving tools set	Materials Blades : High precision chrome vanadium alloy steel Handles : Seasoned hard wood, front end covered by steel Polished ferrule.	CAR 79	4 sets	1400	5600	Inst. Level
328	Goggles pair	good quality plane glass	CAR 80	26 nos.	300	7800	Inst. Level
329	Leather Cloves	Standard	CAR 81	26 nos.	300	7800	Inst. Level
330	Glass cutter	Glass cutter Diamond tip	CAR 83	2 nos.	350	700	Inst. Level
331	Nail punch	Nail punch length - 100mm material - H.C. steel , knurled center portion	CAR 84	4 nos.	150	600	Inst. Level
332	Grease gun	latest model of grease gun	CAR 88	1 nos.	500	500	Inst. Level
333	Spanner double ended	double ended set 14 metric size 6 to 32mm forged from chrome - vanadium steel, fully hardened and tempered ,jaws at 15 degree angles with full finish polished	CAR 89	1 no. of set	1500	1500	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
334	Fire buckets	Standard Fire Buckets made of GI material,Red painted and round bottom with handle and must be of 9 Litre Capacity and stand have to arrangement for hanging of 4 Buckets.stand made of MS Angle 35mm x 35mm x 4 mm.	CAR 91	4 nos.	800	3200	Inst. Level
335	Portable planning machine	No load speed 16500 rpm, 650 w, wt 2.8 kg, chip thickness 2.6 mm. , Planer width 82mm, With accessory	CAR 101	2 nos.	3000	6000	Inst. Level
336	Power drill machine	500 watt, capacity ¼".Portable power drill having hammering option capicty- 20 mm RPM- 2500, watt- 500, body aluminium,With accessory	CAR 102	2 nos.	2500	5000	Inst. Level
337	Portable jig saw machine	Minimum 700 W powerful motor,Stroke length 26mm, capacity in mm metal 4 wood-130.,4stroke pendulum action,Stroke 0-3100/min, With accessory,body aluminium	CAR 104	2 nos.	4296	8592	Inst. Level
338	Power Screw driver basic duty (cordless)	Torque 30 nm and 13 <sup>th</sup> nm, no load speed 1300 rpm, 12 volt, keyless chuck 10 mm	CAR 106	2 nos.	3500	7000	Inst. Level
339	Angle Grinder	2000 watt motor, light and compact,disc dia 180 mm, no load speed 8500 rpm	CAR 109	1 no.	2500	2500	Inst. Level
340	Circular saw machine	Circular saw machine, 150mm dia -circular saw - max. depth of cut - 4.5 inch, work table size- 36x30 inch, power - 3HP, 1440 RPM, 3 PHASE, with Motor and adjustable cutter,With accessory	CAR 112	1 no.	4575	4575	Inst. Level
341	Mortising machine (combine hollow chisel and chain)	1)Mortising machine chisel type chain. Depth of cut 3 1/2", cross moment of table - 4", longitudinal movement - 9" 1HP 2500 rpm 3ph , 2) Mortising machine chain type up down moment of table - 3" longitudinal movement - 12" depth of cut (max) 5 1/2 " 2HP, 1440 rpm 3phase motor 1/2 " chain, with accessory	CAR 116	1 no.	3200	3200	Inst. Level
342	Drills chuck	drill chuck, 12mm capacity with sleeves and key	CAR 120	1 no.	399	399	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
343	Portable disc sander	200 mm. Dia, 1400 watt powerful motor, speed 10000 RPM, weight 2.5 kg(approx.), With accessory	CAR 121	1 no.	4920	4920	Inst. Level
344	Electric heater	1000/1500 watt	CAR 123	1 no.	3444	3444	Inst. Level
345	Moisture meter	Moisture meter Digital type battery operated	CAR 124	1 no.	2100	2100	Inst. Level
346	Fire buckets	Standard Fire Buckets made of GI material, Red painted and round bottom with handle and must be of 9 Litre Capacity and stand have to arrangement for hanging of 4 Buckets. stand made of MS Angle 35mm x 35mm x 4 mm.	CAR 134	4 nos.	900	3600	Inst. Level
347	Cable crimping tool	7.5" steel construction body suitable for 22–26 AWG wires, ratchet mechanism, 8p8c/RJ45, 6p6c/RJ11 plugs	CSA 12	2 Nos	1200	2400	Inst. Level
348	Standalone Hard Disks	500 GB or Higher	CSA 13	2 Nos	3500	7000	Inst. Level
349	Standard Screw Driver Set	Standard Screw Driver Set	CSA 15	2 Nos	3500	7000	Inst. Level
350	White Board Markers	White Board Markers	CSA 24	1 As required	40	40	Inst. Level
351	Duster Cloth	(2'by 2')	CSA 25	1 As required	50	50	Inst. Level
352	Cleaning Liquid	500ml	CSA 26	1 As required	250	250	Inst. Level
353	Full Scape Paper(White)	Full Scape Paper(White)	CSA 28	2 reams	350	700	Inst. Level
354	Cartridges for printer	Cartridges for printer	CSA 29	1 As required	1000	1000	Inst. Level
355	RJ45 Jacks	RJ45 Jacks	CSA 30	200 Pcs	15	3000	Inst. Level
356	Optical Mouse(USB/PS2)	Optical Mouse(USB/PS2)	CSA 31	1 As required	450	450	Inst. Level
357	Key Board (USB/PS2)	Key Board (USB/PS2)	CSA 32	1 As required	600	600	Inst. Level
358	SMPS	SMPS	CSA 33	1 As required	900	900	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
359	CMOS Batteries	CMOS Batteries	CSA 34	1 As required	250	250	Inst. Level
360	3Pin Power Chord	3Pin Power Chord	CSA 35	1 As required	350	350	Inst. Level
361	Cat6/5/5e cable	Cat6/5/5e cable	CSA 36	100 meters	35	3500	Inst. Level
362	Stapler Small	Stapler Small	CSA 37	2 Pcs	60	120	Inst. Level
363	Stapler Big	Stapler Big	CSA 38	1 Pcs	180	180	Inst. Level
364	AAA battery for remote	AAA battery for remote	CSA 39	1 As required	40	40	Inst. Level
365	AA battery for clock	AA battery for clock	CSA 40	1 As required	30	30	Inst. Level
366	Hand Held Vacuum cleaner	Hand Held Vacuum cleaner	CSA 45	1 Nos	3500	3500	Inst. Level
367	Drawing Instrument Box (S	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.	ET 1-52, RODA 1-26, SUR 1/DMC 1- 52	130 Set	1650	214500	Inst. Level
368	Set square celluloid 45 deg	Set square celluloid 45(250x1.5mm)of reputed make. Made of transparent acrylic sheet. Precision 0.5 degree scale. Ideal for both pencil and ink.	ET 2-52, RODA 2-26, SUR 4/DMC 6- 52	130 Set	550	71500	Inst. Level
369	Set square celluloid 60 deg	Set square celluloid 60(250x1.5mm)of reputed make. Made of transparent acrylic sheet. Precision 0.5 degree scale. Ideal for both pencil and ink.	ET 3-52, RODA 3-26, SUR 4/DMC 7- 52	130 Set	550	71500	Inst. Level
370	French-curves (Set)	French-curves(set of 20 celluloid)of reputed make	ET 4-52, RODA 4-26	78 Set	220	17160	Inst. Level
371	Drawing Board	Drawing Board (700 x 500) made up of seasoned soft wood	ET 5-52, RODA 5 -26	78 Set	2200	171600	Inst. Level
372	Tee-Square	Tee-Square (700 mm blade) of reputed make	ET 6-52, RODA 6 -26	78 Set	550	42900	Inst. Level
373	Mini Drafter	Mini Drafter of reputed make	ET 7-52, RODA 7 -26	78 Set	1100	85800	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
374	Fire Fighting Equipments	Capacity 6 kg;ABC Powder Type (Stored Pressure) Fire Extinguisher, Multipurpose uses; Multipurpose ABC Type Fire Extinguisher with 5* years Warranty; No Maintenance ;Clear Instruction Label; ISO & CE Certified	ET 25-1, RODA 24-1, RAC 134-4,CAR 90-1, CAR 135-4 Hostel-4, DMC/SUR -01	16 no.	3300	52800	Inst. Level
375	First Aid Box	First aid box: Basic medicines ,including bandage, Cotton etc	ET 26-1, RODA 25 & 44-2, SUR 33/DMC 37-0, TM 15-1	4 no.	800	3200	Inst. Level
376	Wall charts, Transparencies and DVDs related to the trade	As per required	TM 12	3 Nos	1200	3600	Inst. Level
377	Steel tape	2 meters (Pull type)	RODA 12	1 no.	300	300	Inst. Level
378	Dial thermometer	Dial thermometer,remote control, armored capillary dial 75 mm.- 50 Deg. C to + 50 Deg. C.	RAC 96	4 nos	4000	16000	Inst. Level
379	Anemometer (Vane type)	Anemometer (Vane type)	RAC 98	3 nos	7000	21000	Inst. Level
380	Outside micrometer	Outside micrometer 25 to 50 mm with least count 0.010mm as per IS 2967.Stainless Steel material with enamel-finished frame. Carbide-tipped measuring faces, Clear graduations on satin-chrome finish, Positive locking clamp, Ratchet Stop for exact repetitive readings. With Carry Box- make Mitutoyo.	MD 107	2 no.s	4000	8000	Inst. Level
381	Outside micrometer	Outside micrometer 50 to 75mm with least count 0.010mm as per IS 2967.Stainless Steel material with enamel-finished frame. Carbide-tipped measuring faces, Clear graduations on satin-chrome finish, Positive locking clamp, Ratchet Stop for exact repetitive readings. With Carry Box- make Mitutoyo.	MD 108	1 no.s	4000	4000	Inst. Level
382	Outside micrometer	75 to 100 mm outside dimensions	MD 109	1 no.s	4000	4000	Inst. Level
383	Philips Screw Driver set of 5 pieces	100 mm to 300 mm dimensions accordingly	MD 110	2 no.s	2000	4000	Inst. Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shopping
384	Straight edge gauge 2 ft.	A Straight edge gauge made up of Stainless Steel of 2 Feet Length	MD 151	2 no.s	3000	6000	Inst. Level
385	Straight edge gauge 4 ft.	A Straight edge gauge made up of Stainless Steel of 4 Feet Length	MD 152	2 no.s	3000	6000	Inst. Level
386	Surface gauge with dial test indicator plunger type	0.01 mm Surface gauge with dial test indicator	MD 155	4 no.s	3000	12000	Inst. Level
387	Thread pitch gauge Metric	A gauge capable of measuring metric BSX, BSF, MC, MF & SAE thread pitch	MD 163	2 no.s	1000	2000	Inst. Level
388	V' Block 75 x 38 mm pair with Clamps	V' Block 75 x 38 mm pair with Clamps	MD 170	2 no.s	1000	2000	Inst. Level
389	Hub/Switch/Access point	Hub/Switch/Access point	SUR 34	1 no.s	1000	1000	Inst. Level
390	Chalk board with easel	white board 6' x 4', commercial ply 19 mm fitted with 1 mm white sunmica with wooden beading	CAR 97	2 no.	2000	4000	Inst. Level
391	Micrometer, outside measurement	Outside micrometer 0 to 25 mm with least count 0.010mm as per IS 2967: Stainless Steel material with carbide tipped measuring faces, with Carry Box- make Mitutoyo.	RAC 66-8, MD 106-2	10 Nos.	4500	45000	Inst. Level
392	Megger	Megger 1000 Volt ,Capable to Test voltage: 250V/500 /1000 V, Insulation testing to 1000 M-ohm, continuity testing at 200 mA down to 0.01 ohms, Live circuit warning(voltage display) and test inhibit digital/analogue display, Alkline or rec	RAC 79	4 Nos.	4500	18000	Inst. Level

<b>Total</b>	<b>3277388</b>
<b>Total (in Lac)</b>	<b>32.77388</b>

### Package No - 4 (Machinery)

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
1	Mechanical Tube/Pipe bender	Mechanical Tube/Pipe bender 1/4th, 3/8th , ½, 5/8th (in inches)	RAC 5	8 Nos	7000	56000	SPIU Level
2	Torque Wrench square drive right and left hand	Torque Wrench 300mm-12.7mm, square drive right and left hand	RAC 23	4 Set	15000	60000	SPIU Level
3	Pipe bending tool, lever type with degree indicator, for tube	Pipe bending tool, lever type with degree indicator, for tube OD 6.4 to 16 mm.	RAC 60	8 set	12000	96000	SPIU Level
4	Pillar drilling machine 200 to 2500 rpm	Pillar drilling machine 200 to 2500 rpm. capacity 20 mm.	RAC 71-2,CAR 118-1	3 Nos.	25000	75000	SPIU Level
5	Pedestal grinder, double ended	Pedestal grinder, double ended wheel dia 200 mm. 3000 rpm.	RAC 72-2, MD 187-1	3 Nos.	5000	15000	SPIU Level
6	Oxy- Acetylene welding set	Oxy- Acetylene welding set complete with cylinders regulators welding torches with difference nozzles	RAC 73	2 Set	18000	36000	SPIU Level
7	Gas cylinder	Gas cylinder truck two wheel type	RAC 74	2 Nos.	6000	12000	SPIU Level
8	Variable ac input 230 volt output 400 volt. amp. portable complete with meters and controls.	Variable ac input 230 volt output 400 volt. amp. portable complete with meters and controls.	RAC 80	3 Nos.	6500	19500	SPIU Level
9	Two stage rotary vacuum pump	Two stage rotary vacuum pump of capacity approx 60-100 L/min., capable of evacuating to 50 microns of Hg and fitted with gas ballast, anti suck back valve and single phase motor.	RAC 97	2 nos	12000	24000	SPIU Level
10	Air compressor, two stage	Air compressor, two stage for oil-less dry air, with rust proof tank assembly.Heater and control max. Pressure. 10 kg/sq. cm cap. 45 liter, Motor 1 HP	RAC 99	2 nos	25000	50000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
11	Descaling pump	Descaling pump set with stainless steel impeller and housing complete with motor 1 HP and accessories.	RAC 101	2 Nos.	20000	40000	SPIU Level
12	Spray outfit	Spray outfit, 'V' twin, with motor ½ HP. delivery up to 120 liter free air pressure up to 3 Kg/sq.cm. with spray gun and fitting.	RAC 102	1 Nos.	30000	30000	SPIU Level
13	Pressure testing tank	Tank with lighting arrangement, pressure gauge (0 to 35kg/sq.cm.) double stage	RAC 103	2 Nos.	10000	20000	SPIU Level
14	Water cooler Storage Type	Water cooler storage type,, capacity 30 L, R-134a refrigerant, reciprocatory compressor,Capacity in vertical shape which can maintain +ve temperature. The compressor capacity must be 1.5 ton. Water cooler must be accompanied by 4 KVA stabilizer.	RAC 115	4 Nos.	25000	100000	SPIU Level
15	Reciprocating Compressor	Reciprocating compressor with provision of capacity control etc. for demonstration, capacity 9000 Kcal/hr.	RAC 122	1 no	22000	22000	SPIU Level
16	Micron vacuum gauge	Micron vacuum gauge,Capable of reading up to 20 microns	RAC 123	4 Nos.	8000	32000	SPIU Level
17	Recovery unit	Recovery Unit for 134a refrigerants with recovery cylinder.	RAC 128	2 Nos.	35000	70000	SPIU Level
18	Recovery unit	Recovery Unit for CFC refrigerants with recovery cylinder	RAC 129	2 Nos.	30000	60000	SPIU Level
19	Reverse cycle AC/Heat pump	Reverse cycle AC/Heat pump 3000 Kcal/hr or 4500 kcal/hr	RAC 130	1 Nos.	35000	35000	SPIU Level
20	Automatic Ice cube m/c	capacity 5 Kg/hr. max. production per 24 hrs: 120-200kg, bin capacity: 55kg, reciprocating compressor with R-410 , powr 2-2.5kw	RAC 133	1 Nos.	160000	160000	SPIU Level
21	Dry Nitrogen gas cylinder	Gas cylinder with drier unit and 2 stage pressure regulator	RAC 135	2 Nos.	15000	30000	SPIU Level
22	Small car A/C kit	Small car A/C kit with driving arrangements	RAC 138	1 Nos.	35000	35000	SPIU Level
23	Components of Car A/C systems .	Wobble plate compressor with mounting brackets, serpentine evaporator, parallel flow condenser hoses, tubes, receiver, expansion valve, electrical components and siring harness.	RAC 139	1 Nos. Each	25000	25000	SPIU Level



S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
24	Small capacity shell and tube condenser	Small capacity shell and tube condenser, 5 Ton	RAC 140	2 No.	15000	30000	SPIU Level
25	Fan Coil unit	Fan Coil unit with water valves(2 & 3 way), 2 Ton	RAC 141	2 No.	10000	20000	SPIU Level
26	Shell and tube DX chillers (small)	Shell and tube DX chillers (small), 5 Ton	RAC 142	2 No.	15000	30000	SPIU Level
27	Circulating water pump(small)	Circulating water pump (small), 1/2 hp with stainless steel tank capacity 20 liters with inlet/ outlet provision.	RAC 143	2 No.	8000	16000	SPIU Level
28	Hermetic compressors(1/2hp)	Hermetic compressors(1/2hp)	RAC 147	2 Nos.	7500	15000	SPIU Level
29	Semi-hermetic compressor(1/2hp)	Semi-hermetic compressor(1/2hp)	RAC 148	2 Nos.	14500	29000	SPIU Level
30	Rotary compressor 1 TR	Rotary compressor 1 TR	RAC 149	2 Nos.	8000	16000	SPIU Level
31	Spanners socket with speed handle, T-bar, ratchet and universal set of 28 pieces with box	up to 32 mm. Standard Spanner socket set of sizes upto 32 mm dia having total no. of 28 pieces and with speed handle ,T Bar Ratchet and universal type made of Chrome Vanadium Steel and Chrome Plated and the box should be metal box.	MD 16	14 no.s	5000	70000	SPIU Level
32	Auto Electrical test bench	Table top Auto electrical tester. Testing voltage 12V/24V with input voltage 230V, AC/DC with 2HP/3HP motor. Digital Ammeter and Voltmeter.	MD 29	1 no.s	55000	55000	SPIU Level
33	Belt Tensioner gauge	Digital belt tension meter	MD 32	1 no.s	16000	16000	SPIU Level
34	Car Jet washer with standard accessories	1700 watt, pressure 135 bar	MD 35	1 no.s	6000	6000	SPIU Level
35	Chain Pulley Block capacity with tripod stand	3 ton capacity with minimum 3 metre lift. With tripod stand	MD 36	1 no.s	8000	8000	SPIU Level
36	Connecting rod alignment fixture	Connecting rod alignment fixture: Easy check to all types of Diesel engine connecting rod allignmet with attachment in Box	MD 45	1 no.s	8000	8000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
37	Cylinder bore gauge capacity	20 to 160 mm. Cylinder bore gauge capacity 20 to 160 mm Made From Stainless Steel. Mat Finish. Graduations Engraved For Permanent Use.	MD 47	4 no.s	6000	24000	SPIU Level
38	Depth micrometer	0-25mm. Depth micrometer 0 to 25 mm with least count 0.010mm as per IS 2967: Stainless Steel material with carbide tipped measuring faces, with Carry Box-	MD 50	4 no.s	6500	26000	SPIU Level
39	Dial gauge type 1 Gr. A (complete with clamping devices and with magnetic stand)	Magnetic Stand With Dial Indicator, 1" Travel, 0.001" Graduation.	MD 51	4 no.s	5000	20000	SPIU Level
40	Drill twist (various sizes)	1.5 mm to 15 mm by 0.5mm. Drill twist,metric straight shank 1.5 mm to 15 mm in step of 0.5 mm	MD 57	4 no.s	5000	20000	SPIU Level
41	Engineers stethoscope	Automotive Mechanics Stethoscope. to spot all the faults that may occur in your mechanical equipments, engines, motors, bearings, etc. instantly & accurately. Checking malfunctioning of bearings, motors, engines etc. Inspecting worn-out gears.	MD 61	1 no.s	8000	8000	SPIU Level
42	Fuel feed pump for Diesel	The fuel feed pump fitted on wooden board & covered by the box , the pump should be coated with attractive colors	MD 71	1 no.s	11000	11000	SPIU Level
43	Fuel injection pump (Diesel) inline	High pressurefuel injection inline reciprocating pump	MD 72	1 no.s	15000	15000	SPIU Level
44	Fuel injection pump dismantling tool kit /Universal Vice		MD 73	1 no.s	15000	15000	SPIU Level
45	Fuel injection pump VE pump / Distributor fuel rotary pump (DPC) pumps / along with special tools and accessories	Injection VE with lower exhaust emissions, Electrical shut off for heavy duty. Rotary pump Rated Capacity- 16m <sup>3</sup> /hr, Working pressure 12 bar, Speed 1440 rpm, Flange Connection Size 50mm.	MD 74	1 each	7000	7000	SPIU Level
46	Granite surface plate with stand and cover	1600 x 1000mm	MD 76	1 no.s	25000	25000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
47	Injector – Multi hole type, Pintle type	Alloy steel material for both type injectors	MD 91	4 each	20000	80000	SPIU Level
48	Injector cleaning unit	Diesel injector cleaning machine	MD 92	1 no.s	22000	22000	SPIU Level
49	Injector testing set (Hand tester)	Injector testing machine for diesel: Injector testing machine for diesel test all types injector , pressure 0 to 420 bar , APPLICATION : For testing injection nozzle opening pressure, leakage Spray pattern, atomisation & chatter characteristic tests.	MD 93	1 no.s	10000	10000	SPIU Level
50	Marking out table	should provides a true surface from which to work 90X60X90 cm.	MD 100	1 no.s	6000	6000	SPIU Level
51	Starter motor axial type, pre-engagement type & Co-axial type	Starter motor will be of Power 1 Kw,12 V and 4 Pole DC motor.An Alternator will be of 12 V Rating capable of producing 90 A Current .A dynamo cut out will be of 12 V Rating capable of producing 40 A Current	MD 147	1 each	6000	6000	SPIU Level
52	Timing lightner	Automotive Digital Timing Light, Four function digital readout: Tachometer; Advance; Dwell; and Voltage. Tachometer ranges from 249-9,990 RPM, Advance Degrees (2 and 4 cycle) 0-90 degrees, dwell (2-12 cylinders) from 0-180 degrees and voltage from 10-16 volts DC. Patented Skip Circuitry Test up to 9,990 RPM and switches from 2-cycle to 4-cycle Detachable 6-foot leads with inductive pickup	MD 164	2 no.s	8000	16000	SPIU Level
53	Torque wrenches	5-35 Nm, 12-68 Nm & 50- 225 Nm heavy duty	MD 165	1 each	10000	10000	SPIU Level
54	Turbocharger cut sectional view	For Diesel Engine , Material : Aluminium	MD 167	1 no.s	20000	20000	SPIU Level
55	Water pump	Water pump for dismantling and assembling	MD 176	4 no.s	10000	40000	SPIU Level
56	Work bench	250 x 120 x 60 cm with 4 vices 12cm Jaw	MD 178	4 no.s	15000	60000	SPIU Level
57	Air conditioned CRDI Vehicle in running condition -LMV	Air conditioned CRDI Vehicle in running condition -LMV	MD 179	1 no.s	700000	700000	SPIU Level
58	Arbor press	Arbor press hand operated 2 ton capacity	MD 180	1 no.s	12000	12000	SPIU Level
59	Bench lever shears	250mm Blade x 3mm	MD 181	1 no.s	20000	20000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
60	Discrete Component Trainer / Basic Electronics Trainer	Discrete Component Trainer / Basic Electronics Trainer	MD 184	1 no.s	5000	5000	SPIU Level
61	Drilling machine bench	Drilling machine bench to drill up to 12mm dia along with accessories	MD 185	1 no.s	50000	50000	SPIU Level
62	Dual Magnetization Yoke	AC / HWDC, 230 VAC, 50Hz	MD 186	1 set	5000	5000	SPIU Level
63	Heavy Commercial vehicle	Heavy Commercial vehicle type (without body on frame)	MD 188	1 no.s	500000	500000	SPIU Level
64	Hydraulic jack	Hydraulic jack HI-LIFT type -3 ton capacity, and 5 Ton capacity	MD 189	1 each	7000	7000	SPIU Level
65	Inspection kit	Liquid penetrate Inspection kit	MD 190	1 set	25000	25000	SPIU Level
66	Multi Scan Tool with oscilloscope	Android operating system, display more than 5 inch	MD 191	1 no.s	50000	50000	SPIU Level
67	Pipe Bending Machine (Hydraulic type)	12mm to 30mm	MD 192	1 no.s	27000	27000	SPIU Level
68	Pneumatic rivet gun with standard accessories	Heavy duty, suitable for both aluminium and steel rivets	MD 193	2 no.s	6000	12000	SPIU Level
69	Spring tension tester	A Spring tension tester capable of Capture loads at up to 8 preset heights , Capture heights at up to 8 preset loads , Auto spring rate computation , Spring classification , Metric to English conversion and following specificationsLoad Cells (1 standard)5 lb (2.3 kg) ,10 lb (4.5 kg) ,20 lb (9 kg) ,25 lb (11 kg) Daylight Opening 4 inches (101 mm)Platen Diameter 2 inches (50 mm)Load Accuracy 0.25 % Full ScaleHeight Resolution 0.0002 inches (0.005 mm)	MD 194	1 no.s	16000	16000	SPIU Level
70	Tin smiths bench folder	600 x 1.6mm	MD 195	1 no.s	18000	18000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
71	Trolley type portable air	compressor single cylinder with 45 litres capacity Air tank, along with accessories & with working pressure 6.5 kg/sq. cm	MD 196	1 no.s	75000	75000	SPIU Level
72	Cut section of 4/6 cylinder diesel engine with moving condition to show momentum of internal parts	Cut model of 4 stroke 4 cylinder Diesel engine on stand: Motor Driven Actual Cut Section Working Model With Valve Timing Attachment	MD 198	1 no.s	200000	200000	SPIU Level
73	Fuel injection test bench for calibration of fuel pump	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 Cylinder	MD 199	1 no.s	250000	250000	SPIU Level
74	Electrical test bench	Table top Auto electrical tester. Testing voltage 12V/24V with input voltage 230V, AC/DC with 2HP/3HP motor. Digital Ammeter and Voltmeter.	MD 200	1 no.s	55000	55000	SPIU Level
75	Diesel Engine six Cylinder in running condition	Four stroke Six cylinder diesel engine in working condition: 4 stroke, 6 cylinder in line , with OHC ,arrangement, water cooled , 1400 to 3000 cc with self start fitted on stand (Channels) with all gauges and circuits displayed.	MD 201	1 no.s	150000	150000	SPIU Level
76	Battery- SMF	1. Battery 12V Lead acid 2. Battery 12V Alkaline , Ampere - 150Ah	MD 202	2 nos	12000	24000	SPIU Level
77	Instructors lap top with latest configuration pre-loaded with operating system and MS Office package.	Processor : i9 , RAM : 16 GB ,ROM 512 SSD	MD 227-2, DMC 21-1, CAR 136-2, CSA 2-2 , PPL office -1	8 nos	70000	560000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
78	Planimeter sliding bar pattern 70 cm complete in case with magnifier and instructions reading in metric units. (Digital)	Planimeter (digital) Type Roller Type With Computing Functions. Display Symbol 8 Digit, 10- Symbol Balt- E, Scale, Memo, Hold CM2, M2, Km, IN2, FT2, Acre, Convert Function Unit & Scale Value Accumulated Max. 10M2(scale 1:1) Measuring Value Max. Vertical width: 325, Accuracy Within 0.2 (within 2/1000 Pulse) With Built in nicd battery rechargeable by AC adapter. having minimum 30 hours continue battery back up.	DMC 17/SUR 14	1 Nos	6900	6900	SPIU Level
79	Dumpy level builder 25 cm local length X 23 mm complete with box and accessories and stand.	Dumpy level Image erect, magnification < 28X, Objective Aperture < 38mm, Object Glass Diameter 40mm, Short Focus 1.5 M, Stadia ratio 1:100, Additive Constant 0, Accuracy +/- 2-3mm/Km, Circle diameter < 95mm, Graduations 10 Minutes, Plate Level sensitivity 40"/2mm. • ACCESSORIES Aluminum Telescopic Tripod Plastic Box Tools kit: Screw Driver, Plumb bob, Brush, Diaphragm extractor	DMC 43/SUR 46	5 Nos	9775	48875	SPIU Level
80	Plane table with stands and accessories	Plane table with stands and accessories – Alidade, trough compass, spirit level 6", U – forks and Plumb-bob etc. ( 2 set with Telescope alidade ), Size 600 mm x 750mm size plane table board with techno metric leveling head having 3 foot screws and tripod stand. packed in water proof canvas cover	DMC 45/SUR 50 to 54	5 Sets	9200	46000	SPIU Level
81	Light tracing board fitted with glass and framed and lamp	Specification : Light Tracing Board fitted with glass & frame and lamp 1000 x 800mm fixed on a tubular frame with rotating facility, fitted with out plate glass 5mm thick at top, open able as a shutter & provision for lighting from inside using 2 fluorescent tube lights and 2.0 meter long cable attachment, power on-off switch etc.	DMC 77/SUR 16	2 Nos	8050	16100	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
82	Electronic theodolite with moonlight display with tripod latest model	latest model With all accessories (Features:-Based on laser technology, Two large LCD panel with easy to read ,Automatically compensates tilt in two direction and compensates vertical angles. High integrated electronic board and IC elements) Display Type Double side large character back-lit LCD Magnification 30x Axis Compensator Automatic vertical compensator User set on/of Precision 2" Keypad Numeric with 3 programmable function Keys 6 one-touch button functions Operation period 36 hour	SUR 56	1 Nos	345000	345000	SPIU Level
83	GPS (latest model).	GPS 60 with battery charger ,AC adaptor USB Download port & Software. High sensitivity receiver Base map Water proof USB interface Built in memory accept data card way points /etc Routes 200 Track log 10,000 points Altimeter, compass,hunt fish calender ,sun &moon information.tide tables,Area calculation Dimensions 16.0 X 6.1 X 3.6 cm Battery type /life 2 x AA 20 hours weight approx 260 g	SUR 58	2 Nos	46000	92000	SPIU Level
84	Q – Pro / Built Master software for Estimation	Q – Pro / Built Master software for Estimation	SUR 37	1 Nos	17250	17250	SPIU Level
85	Pentograph-brass with accessories-60 cm	Pentograph-brass with accessories-60 cm	SUR 15	1 Nos	28750	28750	SPIU Level
86	Auto level	Image erect, magnification<28X,Objective Aperture <38mm,Object Glacc Diameter 40mm,Short Focus 1.5 M, Stadia ratio 1:100,Additive Constant 0,Accuracy +- 2-3mm/Km, Circle diameter<95mm,Graduations 10Minutes,Plate Level sensitivity 40"/2mm. • ACCESSORIES Aluminum Telescopic Tripod Plastic Box Tools kit: Screw Driver, Plumb bob, Brush, Diaphragm extractor	SUR 47	4 Nos	15000	60000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
87	Digital level along with bar coded staff	Plastic Digital Level Barcode Staff, For Survey, Packaging Type: Carton Box	SUR 48	5 Nos	8000	40000	SPIU Level
88	Theodolite with stand	South ET,02 having 2" accuracy Telescope Magnification: 30x Minimum focusing distance: 1.35m Dual side display Laser Plummet for easy setup Horizontal & Vertical Angle Measurement	SUR 55	4 Sets	45500	182000	SPIU Level
89	Plane rivet adjustable	250 mm X meters x 9 mm Cutters	CAR 34	4 nos.	5300	21200	SPIU Level
90	Digital Vernier caliper	300mm least count 0.01 mm,Material Stainless Steel,Dimension 3.5 x 14 x 45.2 cm	CAR 82	2 nos.	11500	23000	SPIU Level
91	Surface plate	cast iron, smooth surface 600 x 600 x 100 mm	CAR 85	1 nos.	30000	30000	SPIU Level
92	Carpenter's work bench	body cast iron , top seasoned shisham hard wood, two side planks 250mmx50mm,centred well top30mm,side thickness 100mm, (2400x920x800mm)	CAR 86	10 nos.	40000	400000	SPIU Level
93	Blower	Capacity 2.0 mm <sup>3</sup> /min , Watts input (full load) 750 watts Nozzle air Velocity 400 kmph,With accessory	CAR 87	4 nos.	10000	40000	SPIU Level
94	Material rack	8'4"length x 4'6" width x 3' height, body angled iron 35 mm x 4 mm having 2 equal compartment with door	CAR 98	2 no.	15000	30000	SPIU Level
95	Wood working CNC Router machine, with electric spindle, boring and drilling head, voltage stabilizer, compressor and dust collector.	Wood working CNC Router machine of Table size 4ft x 8ft, with electric spindle, boring and drilling head, voltage stabilizer, compressor and dust collector.Laser Power 100 w,	CAR 99	1 no.	330000	330000	SPIU Level



S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
96	Portable circular saw machine	Dia 184 mm wt 3.6 kg no load speed 4200rpm.1150 W powerfull motor , Max depth of cut : 65mm With accessory	CAR 100	2 nos.	7670	15340	SPIU Level
97	Portable sander machine	670 watt 2 positions side handle, 100 mm dia, no load speed 11000 rpm With accessory	CAR 103	1 no.	7000	7000	SPIU Level
98	Portable router machine	800W powerful motor ,speed 27000rpm, collect size 6.35mm,plunge stroke 35mm, With accessory,body aluminium	CAR 105	1 nos.	5299	5299	SPIU Level
99	Wood working mitre saw machine	Wood working mitre saw machine of 2400 watt 3800 rpm wt 18kg	CAR 107	2 nos.	18000	36000	SPIU Level
100	Combined surface planner and thicknesses machine	Combined Surface and thickner -maximum planing with 450mm,thicknessing capacity 9 inch,power 3HP,1440 rpm,3 ph,,With accessory	CAR 108	1 no.	98000	98000	SPIU Level
101	Trimmer	Wood Trimmer , Rated power input: 600 W,No-load speed: 33.000 rpm	CAR 110	1 no.	16000.	16000	SPIU Level
102	Rotary Hammer	Dia 4mm to 30 mm, 900 W, R.P.M 650	CAR 111	2 nos.	5927	11854	SPIU Level
103	Lathe, wood turning	Wood turning lathe 1.25 m bed length, motorised complete with a set of turning tools	CAR 113	1 no.	32990	32990	SPIU Level
104	Lathe, wood turning	Wood turning lathe, 150mm height of centers, 1.75 meter bed. - centre distance 150 mm, Bed length 1.75 meter, 3 hp motor, 3 phase,motorised complete with a set of turning tools	CAR 114	2 no.	41990	83980	SPIU Level
105	Tenoning machine (single ended)	Tenoning machine (Single ended) -Working ht. 864 mm,3400 rpm max, saw blade dia 12", 5 Hp with accessory	CAR 115	1 no.	70550	70550	SPIU Level
106	Bench grinder	Bench grinder double end pedestal, 200mm wheel -dia, 1 Hp single phase motor with rotary switch, 2800 RPM, wheel guard with rest for ,supporting,With accessory	CAR 117	1 no.	10000	10000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
107	Adjustable saw sharpener	Adjustable saw sharpener Automatic band saw sharpener 0.75 KW, 2880 rpm , width of blade 1" to 2" with saw setting & sharpening,With accessory	CAR 122	1 no.	100000	100000	SPIU Level
108	Universal wood working circular saw machine	Universal wood working machine Blade dia 300 mm. - length of bed: 1155/45 inch, height centre: 8 inch, admit between centre: 48 inch, approx. spindle speed: 700/ 1400/2800 , power: 2 HP, 1440 RPM, SINGLE phase with motor function to be reqd, planing, sawing, turning,mortising,grooving,grinding,etc.,Double jack.	CAR 125	1 no.	7394	7394	SPIU Level
109	Electrical drying oven (small type)	digital temperature control provides precise and accurate control of drying temperature,With accessory	CAR 126	1 no.	11999	11999	SPIU Level
110	Band saw machine (vertical)	Diameter of Saw Wheels 533 mm ,Maximum Cutting Cap. 315 mm Throat Depth 495 mm ,Table Size /610 x 610 mm Width of Saw Wheels 40mm ,Table Height From Floor 915 mm Approx., Speed of Saw Wheels 700 RPM Power Required 3 HP with moter , Saw Blade Size 3985mm, With accessory	CAR 127	1 no.	150000	150000	SPIU Level
111	Band saw sharpening machine (Automatic)	Wheel dia 600mm, minimum blade length 3900mm, maximum blade length 4275 mm, depth of cut 425 mm, 5 HP, 750 rpm.	CAR 128	1 no.	200000	200000	SPIU Level
112	Band saw blade Brazing Machine	900 watt power input	CAR 129	1	125000	125000	SPIU Level
113	Wood working CNC Router Machine	HSD/ HSK electro spindle, 9kwatt, servo motor (double), boring head 5, spindle speed 20000 rpm(min.) Axis speed x/y/z 22/22/15 m / min minimum. Table size 8'by 4'. ATC (tool changing system) 6 nos. min., z-axis stroke 100mm min., alongwith voltage stabilizer, compressor and dust collector as required	CAR 130	1 no.	400000	400000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which required	Total Required	Price/item	Total Amount	Method of shopping
114	Laser cutting machine	Laser Power- 25W, Drive- AC servo control, Z axis moving – automatic,Computer interface- USB/ Ethernet, Memory Buffer- 265 MB, Power Consumption- 1100W.	CAR 131	1 no.	400000	400000	SPIU Level

<b>Total</b>	<b>8161981</b>
<b>Total (in Lac)</b>	<b>81.61981</b>

### Package No 5 (Furniture Items)

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shoping
1	Stools	Draughtsman stool (Revolving) made of steel, 18" round Top, Adjustable height by using good quality hydraulic system, Facility of 360 degree rotation. Stool should be mounted on suitable base. Provision for radial leg rest at appropriate height and diameter.The seating top should be of steel surface of sufficient strength.	ET 15-25, RODA 14-26, CAR 96-2, Sur 27/ DMC 25-26	79 no.	1800	142200	Institute Level
2	Computer chairs	Computer chair without arms having cushioned seat and push back with revolving base with five wheels	ET 20-26, RODA 1-26, DMC 33-26, RAC 166-2, CSA 50-25	105 no.	3300	346500	Institute Level
3	Table for printers	Powder coated steel with a laminated top;26 ½"W x 20 ½"D x 26 ½"H; Two compartments by one fixed central partition shelf; mobile on four casters.	ET 21-1, RODA 20-1, DMC 34-2, CSA 51-3	7 no.	4000	28000	Institute Level
4	Students Chair with folding writing pad	Modern seating with writing arrangement,Made f CRC pipe size Dia 25mm x 2mm thick powder coated with writing pad Size 18" X 12" Solid ply with sunmica 0.8mm, PU arm & PU seat size 18" X 21" back size 18"	RAC 167-50,MD 225-50	100 Nos	3000	300000	Institute Level
5	Single Bed	Single Bed for Trainee: Size 77"x37"x20" frame 50x25mm rectungular pipe, support pipe 25x25x1.25mm (2 supports) Top 12mm water proof ISI mark ply, one side back support, 50x25mm rectungular pipe height 300mm.	Hostel	75 no.	4000	300000	Institute Level
6	Single Mattress	Single Mattress	Hostel	75 no.	3500	262500	Institute Level
7	Single Bed Sheet	Single Bed Sheet	Hostel	150 no.	700	105000	Institute Level
8	Single Blanket	Single Blanket	Hostel	75 no.	1600	120000	Institute Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required		Price/item	Total Amount	Method of shoping
9	Pillow with Cover	Pillow with Cover	Hostel	150	no.	400	60000	Institute Level
10	Dinning Chair	Dinning Chair: Made of 25mmx2mm CRC Chrome pipe, seat and back jalli, size seat 16"x 16", back size 18"	Hostel	50	no.	2000	100000	Institute Level
11	Gyser: 25 litre with 3 Star rating	Gyser: 25 litre with three Star rating	Hostel	25	no.	4000	100000	Institute Level
12	Center table	Center table: Size 4 ft x 2 ft x 1.5 ft with 12mm glass top with self made of 38mmx1.6mm CRC chrome pipe	Guest Room	1	no.	2500	2500	Institute Level
13	Easy Chair	Easy Chair: preferrably steel	Guest Room	4	no.	800	3200	Institute Level
15	Chair	Chair: Chair cushion seat and back chrome plated base frame 25mmx1.6mm thick CRC pipe, Back size 21" seat size 18"x18"	Principal Office	6	no.	800	4800	Institute Level
16	Revolving Chairs	Revolving Chairs: Cushion seat and back, Chrome plated base, Frame 25mm (wall thickness 16 SWG) CRC pipe, Back size 18"x21", seat size 18"x18"	Principal Office	2	no.	1800	3600	Institute Level
17	Center table	Center table: Size 4 ft x 2 ft x 1.5 ft with 12mm glass top with self made of 38mmx1.6mm CRC chrome pipe	Principal Office	1	no.	2500	2500	Institute Level
18	Table 4'x2.5'x2.5'	Table 4'x2.5'x2.5': Size 4 ft x 2.5 ft x 2.5 ft height Frame 25 mm sq pipe x1.6 mm thick top 18 mm solid ply with 0.8 mm semi mat sunmica with powder coating, and right hand three drawers with lock.	Ministerial Staff	6	no.	3000	18000	Institute Level
19	Chair	Chair: Made of 25mmx2mm CRC Chrome pipe, seat and back jalli, size seat 16"x16", back size 18"	Ministerial Staff	20	no.	800	16000	Institute Level
20	Visiting Chair	Visiting Chair: Chair cushion seat and back chrome plated base frame 25mmx1.6mm thick CRC pipe, Back size 21" seat size 18"x18"	Information Center [Lib]	6	no.	2500	15000	Institute Level
21	Discussion Chair	Discussion Chair: Made of 25mmx2mm CRC Chrome pipe, with cushion seat and Back without arm, seat size 16"x16", back size 18"	Information Center [Lib]	25	no.	2000	50000	Institute Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shoping
						Total	1979800
						Total (in Lac)	19.798

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shoping
1	Chest of drawers	8 drawers(Cabinet with 8 Locker 900x1800x500mm Thichness of sheet 1.25mm (18 SWG) CRC Sheet. Power coating color light gray.)	ET 12-2, RODA 9-2, DMC 23-4	8 no.	11000	88000	SPIU Level
2	Trainees Locker	Trainees locker with 8 drawers: Steel cupboard of the size 78"x36"x19" having 8 lockers each fitted with separate lock and handle of superior quality 20 gauge and complete in all respect.	ET 13-2, RODA 10-3, Sur 30-4, CAR 92-6, Lib-01, DM 229-06,RAC 153-06	28 no.	11000	308000	SPIU Level
3	Drawing table	Drawing table for A1 sheet;Drafting height 36"; Laminated drawing board 18mm thickness with 2mm edge banding 30"L X 42"W fitted with required taper for drafting; MS tube 1" sq 16gauge Frame; fixed storage shelves of 12guage MS Mesh of 30mm square below the drawing board.	ET 14-25, RODA 13-26, Sur 26/ DMC 24-26	77 no.	5000	385000	SPIU Level
4	T.O's Table	Table (big size full secretariat): Size 72" X 48" X 30" Made of Plywood 19 mm. Having three Drawers with telescopic ball slides,sunmica top 1 mm thick	ET 16-3, RODA 15 &29- 2, CAR 94-2, DMC 26-1, RAC 169-2, MD 224-2, CSA 47-1, TM 04-1, Office-01, Lib-01	16 no.	7700	123200	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shoping
5	T.O's Chair	<p>Armed chair – Revolving Seat &amp; Back Assembly: The seat and back shall be made of PU foam.</p> <p>Base: Five prong made of black color reinforced PU plastic with Nylon wheels and pneumatic up &amp; down with one point locking mechanism.</p> <p>Handle armrest;Revolving &amp; tilt: The pedestal of five legged injection moulded in black with 5 nos twin wheel castors with full 360 degree revolving mechanism.</p> <p>Powder coating: Other visible metal parts and seat base support metal parts should be powder coated.</p> <p>Seat upholster: Soft, comfortable and wrinkle resistant fabric upholstery and quality of user friendly for maintain cleanliness by simple vacuuming.</p>	ET 17-3, RODA 16 &28-2, CAR 95-2, DMC 27-1, RAC 170-2, MD 224-2, CSA 47-1, TM 03-1, Office-01, Lib-01	16 no.	5000	80000	SPIU Level
6	Almirah Steel	Almirah steels (Major) 6' / higher: Almirah Steel confirming to IS 3312-1984, Steel Almira of the size 78"x36"x19" having four shelves making five compartments, 20 gauge over all with locking arrangement and complete in all respect.	ET 18-3, RODA 17-2, CAR 93-2, SUR 24/DMC 22-3, RAC 152-4, CSA 55-1, TM 14-2, PPL office-01, Office-06, Lib-02	26 no.	11000	286000	SPIU Level
7	Computer table	Computer table: Computer table of the size 4'x2'x2.5' having one key board drawer and two shelves for UPS and CPU based on steel pipe 1"x1" square, frame of 16 gauge, top and shelve made of both side laminated board	ET 19-13, RODA 18-14, DMC 32-13, RAC 165-2, CSA 49-14, PPL office-01	57 no.	6050	344850	SPIU Level
8	Book Self	Book self: steel bookcase 20gauge 60"(H)X36"(W)X18"(D) ;4 Glass Door Bookcase all with locking arrangement and complete in all respect; Powder coated.	RODA 11-2, SUR 31-2	4 no.	8000	32000	SPIU Level

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9	Class Room Chairs / Dual desk may also be allowed	<b>Dual Desk</b> shall be of size 1140 width mmx 1095 depth mm x 700 height mm. All side metal frames and cross connectors shall be made from combinations of 25.4 x 1.2 mm thick round ERW tubes, 31.8 x 1.2 mm thick round ERW tubes and 28.6 x 1.2 thick, Round ERW tubes which shall be welded together. Back supports which shall be provided at the rear back shall be made of rectangular ERW tubes. The storage shelves shall be made from 0.6 mm thick MS sheet fixed below the desk top panel. Bolt with nylon level adjustors shall be provided at the bottom. The welded structures, metal parts & shelves with antirust treatment & powder coated with epoxy polyester coating. All panel shall be made from 18 mm thick laminated board with decorative paper on both sides with rounded corner edge and assembled by using countersunk screws.	RODA 26-13, ET-50, TM 1-25, CSA 48-25, CAR - 13, DMC/SUR -13	139 no.	6050	840950	SPIU Level
10	Steel Cupboard	Steel Cupboard with 8 pigeon lockers: Steel cupboard of the size 78"x36"x19" having 8 lockers each fitted with separate lock and handle of superior quality 20 gauge and complete in all respect. Made of 0,8 mm thick CRC Sheet with power coating, light gray	RODA 39-3	3 no.	13000	39000	SPIU Level
11	Work bench for fitters	Work bench for fitters with two vices of 100mm: size 4ft x 3 ft x 3.5 ft made of angle iron legs size 75 x 75 x 6 mm and frame 60 x 60 x 6 mm. top shisham hardwood seasoned 50 mm thick base sport 50x50x6mm four side fitted with 2 vices.	RODA 40-2, RAC 156-02	4 no.	14000	56000	SPIU Level
12	Steel cupboard	Steel cupboard 180x90x45cm: Made of 0.8 mm CRC sheet, with Powder coating. Color light gray.	RODA 41-2	2 no.	10000	20000	SPIU Level
13	Steel cupboard	Steel cupboard 120x60x45cm Size: Made of 0.8 mm CRC sheet, with Powder coating.	RODA 42-2	2 no.	10000	20000	SPIU Level



S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shoping
14	Multi drawer tool rack tro	Multi drawer tool rack trolley with minimum 4 drawers and 20 tool capacity: Size 120x60x45cm, Made of 0.8mm thick CRC Sheet with powder coating. Color light gray	RODA 43-4	4 no.	13000	52000	SPIU Level
15	Pigeon hole cabinet: 25 compartments	Pigeon hole cabinet: 25 compartments	CSA 46	1 Nos	9000	9000	SPIU Level
16	Storage cabinet	60 X 700 X 450 mm	CSA 53	1 Nos.	10000	10000	SPIU Level
17	Utensil for Cooking	Utensil for Cooking	Hostel	1 no.	40000	40000	SPIU Level
18	Utensil for Sereving	Utensil for Sereving	Hostel	1 no.	40000	40000	SPIU Level
19	Dressing Table	Dressing Table: Dressing Table, looking glass 4 ft x 1.5 ft	Hostel	25 no.	5000	125000	SPIU Level
20	Dinning Table	Dinning Table: Dinning Table size 8 ft x 4 ft x 2.5 ft frame made of 50 mm x 1.6 mm thick sq pipe (legs) Top frame 40 x 40 x 5 mm MS angle , Top 18mm solid ply with 0.8 mm semi mat sunmica with powder coating.	Hostel	5 no.	15000	75000	SPIU Level
21	Water Cooler with R.O.	Water Cooler with R.O, Cooling Capacity (60 Ltrs/hr) Storage Capacity: 80 Ltr	Hostel	3 no.	40000	120000	SPIU Level
22	Single Bed King Size	Single Bed King Size: Size 77"x37"x20" frame 50x25mm rectungular pipe, support pipe 25x25x1.25mm (2 supports) Top 12mm water proof ISI mark ply, one side back support, 50x25mm rectungular pipe height 300mm.	Guest Room	1 no.	10000	10000	SPIU Level
23	Almirah Small	Almirah Small: Almirah Steel confirming to IS 3312-1984, Steel Almira of th size 1280x760x430mm having four shelves making five compartments, 20 gauge over all with locking arrangement and complete in all respect.		2 no.	5000	10000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shoping
24	Sofa Set 5 seater	Sofa Set 5 seater: Size of seat 21"x21", thickness 4", Density 32, superior lether look, back height 21", Frame made of MS pipe dia 32mm x 14 SWG wall thickness, Base chrome plated	Principal Office	1 no.	35000	35000	SPIU Level
25	Digital Franking machine	Digital Franking machine: 45-55 cycle/min, inbuilt weighingplatform/scale, 9.25mm article thickness or more,date & time setting, low fund warning,self locking, job memrory, taxt massage entry , interface with computer.	Principal Office	1 no.	120000	120000	SPIU Level
26	Executive Table	Executive Table: Size 1830x915x760mm made of 18mm solid ply with sunmica, one side three drawer box with one rack size 915x458x685mm, one side three drawer other side cabinet with one self with lockng arrangment	Principal Office	1 no.	20000	20000	SPIU Level
27	Executive Chair	Executive Chair: Revolving Chair cushion seat and back, Chrome plated base, Frame 25mm (wall thickness 16 SWG) CRC pipe, Back size 18"x27", seat size 18"x18"	Principal Office	1 no.	10000	10000	SPIU Level
28	Glass Pannel for Books	Glass Pannel for Books: Size 1980x910x480 (HxWxD) confirming IS: 7760-1985	Information Center [Lib]	6 no.	12000	72000	SPIU Level
29	Discussion Table	Discussion Table: Size 6 ft x 4 ft x 2-1/2 ft. ", Made of Metal frame construction MS sq. pipe 50 mm x WT 16SWG with four legs and Plywood wood 19 mm water proof top (laminatd with 1 mm sunmica)	Information Center [Lib]	6 no.	10000	60000	SPIU Level
30	Book Rack (5 compartment with locking arrangement)	Steel Rack: Size 1900 x910x380mm, made of sloted angle 40x40x2mm, CRC sheet of 1.00 mm thick with six self including top button three side closed with powder coating	Information Center [Lib]	20 no.	8000	160000	SPIU Level
31	News Paper Stand:	News Paper Stand: Size 52x32 inch top size 36"x24", made of 25mmx1.6mm sq. pipe, Top MDF laminated board 18mm pipe with powder coating		8 no.	5000	40000	SPIU Level

S.No	Name of Item	Specifications	Trade/Course for Which rrequired	Total Required	Price/item	Total Amount	Method of shoping
32	Rack Wooden Belonging	Size: W 2866 x D 560 X H 2050 mm, Material: Metal , Depth:400-1200 mm	Information Center [Lib]	1 no.	20000	20000	SPIU Level
33	Library Counter	Table 4'x2.5'x2.5': Size 4 ft x 2.5 ft x 2.5 ft height Frame 25 mm sq pipe x1.6 mm thick top 18 mm solid ply with 0.8 mm semi mat sunmica with powder coating, and right hand three drawers with lock.	Information Center [Lib]	1 no.	20000	20000	SPIU Level
34	Executive Table 6'X6'	Executive Table Size:1830X915X760 mm made of 18 mm solid ply with sunmica, one side 3 drawer box with one rack size 915X458X685mm, one side 3 drawer with other side cabinet with one shelf with locking arrangement	SUR 28	1 Nos	22000	22000	SPIU Level
35	White board	White Board ( 6' x 4' ): White board-Ceramic white matt porcelain magnetic white board with aluminium frame.	ET 24-3, RODA 23-1, DMC 35-1, RAC 154-2, CSA 24-2, DM 226-2, TM 8-1	12 no.	6050	72600	SPIU Level
<b>Total</b>						<b>3765600</b>	
<b>Total (in Lac)</b>						<b>37.656</b>	