

**PROCUREMENT PLAN
(1st YEAR)**

**Skills Strengthening for Industrial
Value Enhancement (STRIVE)**

**GOVT. I.T.I.(BOYS), NELLORE
(GR28000145)
ANDHRA PRADESH**

PART C: PROCUREMENT PLAN

Procurement Plan : IMC to submit the procurement plan for ITI as per Section 4.2 - Procurement Guidelines in the below format:

- i. Total Planned Procurement amount (Year 1) 96 (in INR lakh)
- ii. Year-wise details of procurement of items (Goods, Services etc.) are detailed below :

**GOVT. I.T.I.(BOYS), NELLORE,
SPSR NELLORE DISTRICT, ANDHRA PRADESH**

A. Items to be procured in Year-1

#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
Package - 1							
1	<i>Motor Generator Set (AC to DC)</i>	<i>Squirrel cage induction motor with star delta starter coupled to DC shunt Generator and Switch Board Mounted with Regulator Circuit Breaker, Ammeter, Voltmeter, Knife Blade Switch & Fuses Set Complete with Case Iron & Plate fixing bolt, Foundation Bolts, Induction Motor rating 7.5HP, 415V, 50Hz, 3 Phase, DC Generator Rating 5KW, 440V, Output Voltage 110, 110 Volt.</i>	<i>Electrician</i>	<i>1</i>	<i>0.67</i>	<i>0.67</i>	<i>National Competitive Bidding</i>
2	<i>Motor Generator Set (DC to AC)</i>	<i>Shunt Motor with Starting compensation and switch directly coupled to AC Genrator with exiten and switch board mounted with Regulator branches, ammeter, voltmeter, frequency meter, knife blade switch and fuse etc, Shunt Motor rating 5 HP, 440V AC, Generator rating 3 Phase, 4wire, 3.5KVA, 400/230V, 0.8pf, 50</i>	<i>Electrician</i>	<i>1</i>	<i>0.7</i>	<i>0.7</i>	<i>National Competitive Bidding</i>

#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
3	Electrical Machine Trainer	Suitable for Demonstrating the Connection and functioning of different types of DC Machines and AC Machines (single phase and three phase) should be fitted with friction brake arrangement, Dynamo Motor, Instrument Panel and	Electrician	1	1.85	1.85	National Competitive Bidding
4	Ceiling Fan Coil Winding Machine	250V, 50Hz, Single Phase with speed control	Electrician	2	0.09	0.18	National Competitive Bidding
5	Synchronous Motor with Accessories	Like Starter, Excitation arrangements, 3 Phase, 3HP, 440V, 50Hz, 4 Pole	Electrician	2	0.6	1.2	National Competitive Bidding
6	DC Series Motor Coupled with Spring Balance Load	2.5KW, 220V	Electrician	2	0.6	1.2	National Competitive Bidding
7	AC Series Type Motor	1HP, 240V, 50Hz	Electrician	2	0.45	0.9	National Competitive Bidding
8	DC Shunt Motor	2.5KW, 220V	Electrician	2	0.47	0.94	National Competitive Bidding
9	DC Compound Motor with Starter and Switch	2.5KW, 220V	Electrician	2	0.65	1.3	National Competitive Bidding
10	Used DC Generators - Series, shunt and compound type for overhauling practice		Electrician	1 Each	0.3	0.9	National Competitive Bidding
11	Universal Motor with Starter/Switch	240V, 50Hz, 1HP	Electrician	2	0.55	1.1	National Competitive Bidding
12	Shaded Pole Motor	Fractional HP, 240V, 50Hz	Electrician	2	0.65	1.3	National Competitive Bidding
13	Stepper Motor with Digital Controller		Electrician	2	0.45	0.9	National Competitive Bidding
14	Mixer & Grinder	750W, 240V	Electrician	2	0.0415	0.083	National Competitive Bidding

#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
15	Washing Machine, Semi Automatic	5KG with separate Washer and Dryer	Electrician	2	0.14	0.28	National Competitive Bidding
16	Geyser	10 Ltr Storage Type	Electrician	2	0.105	0.21	National Competitive Bidding
17	Electrical Kettle	1500W, 240V	Electrician	2	0.054	0.108	National Competitive Bidding
18	Digital IC Trainer	Digital I.C. Trainer 7 Segment display and bread Board	Electrician	2	0.18	0.36	National Competitive Bidding
19	Discrete Component Trainer	Discrete Component (for Diode and Transistor Circuit) with regulated Power supply +5,0-5V,+12,0-12V	Electrician	4	0.12	0.48	National Competitive Bidding
20	DC Shunt Generator with Control Panel	DC Shunt Generator with control pannel, 2.5kw, 220v & 3 phase squirrel cage induction motor , 5HP, 440V with control panel & star delta starter	Electrician	2	0.56	1.12	National Competitive Bidding
21	DC compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker	DC compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker, 2.5kw, 220v & 3phase squirrel cage induction Motor, 5HP, 440V, with control panel & star delta	Electrician	2	0.63	1.26	National Competitive Bidding
22	AC Phase-wound slip ring Motor with Starter Switch	5HP, 440V, 3Phase, 50Hz.	Electrician	2	0.74	1.48	National Competitive Bidding
23	Thyristor/IGBT Controlled DC Motor Drive with Tachogenerator feedback arrangement	1HP	Electrician	2	0.62	1.24	National Competitive Bidding
24	Thyristor/IGBT Controlled AC Motor Drive	VVVF Control, 3Phase, 2HP	Electrician	2	0.55	1.1	National Competitive Bidding

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25	AC Squirrel Cage Motor with star delta starter and triple pole iron clad switch fuse with Mechanical Load	5HP, 415V, 3Phase, 50Hz.	Electrician	2	0.55	1.1	National Competitive Bidding
1	Universal Scribing Block 22 CM		Fitter	8	0.025	0.2	National Competitive Bidding
2	Portable Hand Drill(Electric) 0-6mm		Fitter	8	0.285	2.28	National Competitive Bidding
3	Machine Vice 10cm		Fitter	1	0.1	0.1	National Competitive Bidding
4	Machine Vice 15cm		Fitter	1	0.135	0.135	National Competitive Bidding
5	Trammel 30cm		Fitter	2	0.006	0.012	National Competitive Bidding
6	Slip Guage as Johnson Metric Set		Fitter	3	0.012	0.036	National Competitive Bidding
7	Digital Vernier Caliper 0-150mm	LC 0.001mm(Optional)	Fitter	4	0.2	0.8	National Competitive Bidding
8	Hand Drilling Machine Power	0 to 12mm	Fitter	2	0.25	0.5	National Competitive Bidding
9	SS and SC Centre Lathe(All Geared)	with minimum centre height 6'/150mm and length 4.5'/1400mm along with 3,4 Jaw Chuck, Auto feed system, coolant arrangement, lighting lamp, taperturning attachment, safety guard & standard accessories	Fitter	2	6.2	12.4	National Competitive Bidding
TOTAL :						38.424	

For IMC of ITI for Boys, Nellore,

Secretary

For IMC of ITI for Boys, Nellore.

Chairman

#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
Package -2							
1	<i>Working Model of Air Brake Assembly</i>	<i>Two brake drums, vehicular air compressor driven by suitable Electric</i>	<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.09</i>	<i>0.09</i>	<i>National Competitive Bidding</i>
2	<i>Cut section Model of Mock layout of a motor car –electrical system working model</i>	<i>Wiring with parts and accessories of a car to be arranged according to the electrical circuit of a car. Working of Self-starter, Alternator, Wiper Motor, Horn, lighting system, sparks from plug to be shown with Distributor & battery. Should be mounted on suitable table</i>	<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.25</i>	<i>0.25</i>	<i>National Competitive Bidding</i>
3	<i>Cut section working model of automatic transmission Gear box</i>	<i>Sectioned to show the internal mechanism of forward and reverse speeds.</i>	<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.198</i>	<i>0.198</i>	<i>National Competitive Bidding</i>
4	<i>Cut Section Working Model of Centrifugal Clutch Assembly</i>	<i>Centrifugal Clutch sectioned to show the internal details</i>	<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.07</i>	<i>0.07</i>	<i>National Competitive Bidding</i>
5	<i>Cut Section Working Model of Single Plate Clutch Assembly</i>	<i>Single plate Clutch sectioned to show the internal details</i>	<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.25</i>	<i>0.25</i>	<i>National Competitive Bidding</i>
6	<i>Demonstration Board of Electronic Ignition System, Ignition Coil</i>		<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.25</i>	<i>0.25</i>	<i>National Competitive Bidding</i>
7	<i>Demonstration Board of MPFI System</i>		<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.2</i>	<i>0.2</i>	<i>National Competitive Bidding</i>
8	<i>Disc Brake in working condition with caliper assembly with all parts</i>		<i>Mechanic Motor Vehicle</i>	<i>1</i>	<i>0.2</i>	<i>0.2</i>	<i>National Competitive Bidding</i>

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9	Drum Brake Assembly in Working Condition		Mechanic Motor Vehicle	1	0.15	0.15	National Competitive Bidding
10	Full floating axle and semi-floating axle assembly	Drum & axle casing should be with all components in working condition.	Mechanic Motor Vehicle	1	0.15	0.15	National Competitive Bidding
11	Steering Assembly Working Models		Mechanic Motor Vehicle				
12	1. Rack & Pinion	1. Rack & Pinion with steering wheel, column, tie rod end.		1	0.14	0.14	National Competitive Bidding
13	2. Worm & Roller	2. Worm & Roller steering assembly with drop arm.		1	0.18	0.18	National Competitive Bidding
14	3. Recirculating Ball	3. Recirculating Ballsteering with pitman shaft and drop Arm.		1	0.15	0.15	National Competitive Bidding
15	4. Power Steering	4. Hydraulic working power steering with steering wheel, column, flow pipe, hydraulic pump, oil reservoir.		1	0.15	0.15	National Competitive Bidding
16	5. Electrical Assisted Power Steering	5. Electric Assisted Power Steering with Rack and pinion, Electric Motor and		1	0.12	0.12	National Competitive Bidding
17	Synchronous Gear Box with Stand and Dismantling and Assembly	Gearbox with 5 Forward & 1 Reverse Gear	Mechanic Motor Vehicle	1	0.45	0.45	National Competitive Bidding
18	Working Model of Toque Converter	Model of LMV	Mechanic Motor Vehicle	1	0.2	0.2	National Competitive Bidding
19	Diesel Engine(Running Condition) Stationary Type Single Cylinder	Single Cylinder, OH valves, fuel tank with handle, fuel feed, water cooling, oil pump.	Mechanic Motor Vehicle	1	2.4	2.4	National Competitive Bidding

#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
20	Vehicle support Stands		Automotive Electrician (ASC/Q1408)	12	0.015	0.18	National Competitive Bidding
21	LCD Projector			1	0.25	0.25	National Competitive Bidding
22	Computer with Internet			1	0.55	0.55	National Competitive Bidding
23	A/c Leakage Tester			1	0.2	0.2	National Competitive Bidding
24	Air blow gun			1	0.012	0.012	National Competitive Bidding
25	A/c Machine (124 Robin air			1	1.75	1.75	National Competitive Bidding
26	Hard toed boots			25	0.009	0.225	National Competitive Bidding
27	Pin up Board			1	0.025	0.025	National Competitive Bidding
28	2 Post lift			1	1.35	1.35	National Competitive Bidding
29	Bump caps			25	0.004	0.1	National Competitive Bidding
30	Steering covers			1	0.015	0.015	National Competitive Bidding
31	Fender cover			4	0.025	0.1	National Competitive Bidding
32	Parts washing station			1	1.25	1.25	National Competitive Bidding
33	Vehicle safety stands		4	0.015	0.06	National Competitive Bidding	

#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
34	<i>Air Hoses- 20mts</i>		<i>Automotive Electrician (ASC/Q1408)</i>	1	0.12	0.12	<i>National Competitive Bidding</i>
35	<i>Battery Charger</i>			1	0.25	0.25	<i>National Competitive Bidding</i>
36	<i>Bench Grinder</i>			1	0.2	0.2	<i>National Competitive Bidding</i>
37	<i>Safety Glassess</i>			25	0.002	0.05	<i>National Competitive Bidding</i>
38	<i>Wheel aligner</i>			1	2.75	2.75	<i>National Competitive Bidding</i>
39	<i>Diagnostic tool (genesis Evo)</i>			1	1.26	1.26	<i>National Competitive Bidding</i>
40	<i>Pullers</i>			1	0.1315	0.1315	<i>National Competitive Bidding</i>
1	<i>Air Compressor suitable for air plasma cutting system</i>			<i>Welding</i>	1	1.2	1.2
2	<i>Spot welding machine</i>	<i>15KVA with all accessories</i>	<i>Welding</i>	1	2.14	2.14	<i>National Competitive Bidding</i>
3	<i>Welding Simulator</i>	<i>Welding Simulator : Capable of simulating 1F to 4F and 1G to 6G multipule welding positions. Process to cover SMAW, GMAW</i>	<i>Tungsten Inert Gas Welder (GTAW) (CSC/Q0213)</i>	1	5.817	5.817	<i>National Competitive Bidding</i>
9	<i>Rule with Handle</i>			10	0.00125	0.0125	<i>National Competitive Bidding</i>

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1	<i>Documents set like Spec Sheet, size chart</i>		<i>Self Employed Tailor (AMH/Q1947)</i>	25	0.0025	0.0625	<i>National Competitive Bidding</i>
2	<i>Students Stools For Sewing</i>			13	0.008	0.104	<i>National Competitive Bidding</i>
3	<i>Fire Extinguisher</i>			1	0.058	0.058	<i>National Competitive Bidding</i>
4	<i>Domestic Sewing Machines</i>			13	0.12	1.56	<i>National Competitive Bidding</i>
5	<i>Fabric Cutting Scissors</i>			25	0.003	0.075	<i>National Competitive Bidding</i>
6	<i>Iron And Iron Table</i>			1	0.035	0.035	<i>National Competitive Bidding</i>
7	<i>Types Of Scales: normal straight big ruler, hip curve, leg shaper, pattern master, french curve</i>			1 Each	0.045	0.045	<i>National Competitive Bidding</i>
8	<i>Teachers Table</i>			1	0.065	0.065	<i>National Competitive Bidding</i>
9	<i>Trims And Accessories like laces , buttons , zippers, (assortment)</i>			As required	0.05	0.05	<i>National Competitive Bidding</i>
10	<i>Hanger</i>			25	0.0005	0.0125	<i>National Competitive Bidding</i>
11	<i>measuring tape</i>			25	0.0005	0.0125	<i>National Competitive Bidding</i>
12	<i>Bobbin</i>			21	0.00025	0.00525	<i>National Competitive Bidding</i>

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13	<i>Overlock Machine</i>		<i>Self Employed Tailor (AMH/Q1947)</i>	1	0.145	0.145	<i>National Competitive Bidding</i>
14	<i>Sewing Kit Includes thread clipper/ thumb trimmer, seam ripper, tracing wheel etc</i>			25	0.0058	0.145	<i>National Competitive Bidding</i>
15	<i>Computer And Computer Peripherals and projector</i>			1	1	1	<i>National Competitive Bidding</i>
16	<i>First Aid Box</i>			1	0.015	0.015	<i>National Competitive Bidding</i>
17	<i>Baskets/Boxes For Storing</i>			13	0.00225	0.02925	<i>National Competitive Bidding</i>
18	<i>Small screw driver with screws</i>			5	0.002	0.01	<i>National Competitive Bidding</i>
19	<i>White /BlackBoard</i>			1	0.025	0.025	<i>National Competitive Bidding</i>
20	<i>Dress Maker'S Pin</i>			1	0.007	0.007	<i>National Competitive Bidding</i>
21	<i>Hand Needle, various sizes for embroidery and hemming</i>			1	0.0025	0.0025	<i>National Competitive Bidding</i>
22	<i>Teacher'S Chair</i>			1	0.019	0.019	<i>National Competitive Bidding</i>
23	<i>Dexterity Test Kit</i>			1	0.15	0.15	<i>National Competitive Bidding</i>
24	<i>packing materials</i>			5	0.005	0.025	<i>National Competitive Bidding</i>
25	<i>Pin Cushion</i>			1	0.0025	0.0025	<i>National Competitive Bidding</i>

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26	Calculator		<i>Self Employed Tailor (AMH/Q1947)</i>	8	0.0025	0.02	National Competitive Bidding
27	Cutting Table/Pattern Table			1	0.05	0.05	National Competitive Bidding
28	Garments , Made Ups And Home Furnishing Articles,			3	0.025	0.075	National Competitive Bidding
29	Fabric/Trims And Accessories/seams types Swatch File			1	0.025	0.025	National Competitive Bidding
30	Machine Needle, various sizes			6	0.0025	0.015	National Competitive Bidding
31	Machine Folders with Attachments			2	0.04	0.08	National Competitive Bidding
32	Paper Cutting Scissors			2	0.0025	0.005	National Competitive Bidding
33	Mannequin(preferably woman Size M)			1	0.05	0.05	National Competitive Bidding
TOTAL :						29.576	

For IMC of ITI for Boys, Nellore.

Secretary

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Chairman

#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
#	Name of items	Specifications	Trade/Course for which it is required	Total Required	Rate / Unit (in INR lakh)	Total (in INR lakh)	Method of Procurement(e.g. Shopping / Competitive Bidding)
Package - 3							
1	Desktop Computers	Latest Configuration with built in OS and AutoCAD	Draughtsman Civil	40	0.7	28	National Competitive Bidding
Total						28	

ABSTRACT		
Pakacage	Name of the Trade/Package	Amount
Package - 1 - Upgradation Trades	Electrician & Fitter	38.424
Package - 2 - Upgradation Trades with Short Term Courses	Mechanic Motor Vehicle / Auto Electrician Welder / Tungsten Inert Gas Welder(GTAW) Self Employed Tailor	29.576
Package - 3 - Computer Peripherals	Draughtsman Civil	28
YEAR WISE TOTAL :		96

For IMC of ITI for Boys, Nellore.

Secretary

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Chairman