

## Indicative Annual procurement plan [STRIVE]

Name of State : DELHI

Name of State : SRI GURU HARKRISHAN Pvt. ITI, TILAK NAGAR, NEW DELHI-110018 [PU07000045]

Annual Procurement Plan for Financial Year :

2022-2023

Date of Approval of Annual Procurement Plan :

Approved By/Name of Approving Authority :

TOTAL PLANNED PROCUREMENT AMOUNT (Year 1 to Year 5):- ₹186 (in INR LAKH)

YEAR WISE DETAIL OF PROCUREMENT OF ITEMS (GOODS, SERVICES, ETC.) ARE DETAILED BELOW:

### A. ITEMS TO BE PROCURED IN YEAR-1

S No.	NAME OF ITEMS	SPECIFICATIONS	TRADE FOR WHICH IT IS REQUIRED	TOTAL REQUIRED	METHOD OF PROCUREMENT (eg. SHOPPING/COMPETITIVE BIDDING)
1	Reverse current Relays	16A, 440V	ELECTRICIAN	1	Competitive Bidding
2	Over current Relays	16A, 440V	ELECTRICIAN	1	Competitive Bidding
3	Under voltage Relays	360- 440V	ELECTRICIAN	1	Competitive Bidding
4	Earth Plate	COPPER 60cm X 60cm X 3.15mm	ELECTRICIAN	1	Competitive Bidding
5	Earth Plate	GI 60cm X 60cm X 3.15mm	ELECTRICIAN	1	Competitive Bidding
6	EARTH ELECTRODE PRIMARY	2100x28x3.25mm COPPER	ELECTRICIAN	1	Competitive Bidding
7	EARTH ELECTRODE SECONDARY	20X5 mm COPPER	ELECTRICIAN	10	Competitive Bidding
8	EARTH ELECTRODE PRIMARY	2100x28x3.25mm GI	ELECTRICIAN	1	Competitive Bidding

9	EARTH ELECTRODE SECONDARY	20X5 mm GI	ELECTRICIAN	<b>10</b>	Competitive Bidding
10	MCCB	100Amps, Triple pole	ELECTRICIAN	<b>1</b>	Competitive Bidding
11	ELCB	100Amps, Triple pole	ELECTRICIAN	<b>1</b>	Competitive Bidding
12	RCCB	100Amps, Triple pole	ELECTRICIAN	<b>1</b>	Competitive Bidding
13	AC ENERGY METER	3-PHASE	ELECTRICIAN	<b>1</b>	Competitive Bidding
14	LUX METER	LUX METER	ELECTRICIAN	<b>1</b>	Competitive Bidding
15	VARIABLE AUTO TRANSFORMER	SINGLE PHASE	ELECTRICIAN	<b>1</b>	Competitive Bidding
16	RCC Pole with accessories	RCC Pole with accessories	ELECTRICIAN	<b>1</b>	Competitive Bidding
17	Digital Multi Meter	DC 200mv-1000v, 0 – 10A & AC 200mv- 750v, 0-10A, resistance 0-20 MΩ and 3 1/2 digit	ELECTRICIAN	<b>12</b>	Competitive Bidding
18	Kilo Wattmeter Analog	0-1.5-3KW, pressure coil rating-240v/440v, current rating-5A/10A Analoge, box type	ELECTRICIAN	<b>1</b>	Competitive Bidding
19	Digital Wattmeter	230 V, 1 KW, 50 Hz	ELECTRICIAN	<b>2</b>	Competitive Bidding
20	Power Factor Meter Digital	3phase, 440v,20A, box type	ELECTRICIAN	<b>2</b>	Competitive Bidding
21	Tong Tester / Clamp Meter	0 - 100 A (Digital Type)	ELECTRICIAN	<b>2</b>	Competitive Bidding
22	Temperature controlled Soldering Iron	50-Watt, 230 Volt	ELECTRICIAN	<b>2</b>	Competitive Bidding
23	3- point D.C. Starter	For 2.5 KW DC motor	ELECTRICIAN	<b>1</b>	Competitive Bidding
24	4- point D.C. Starter	For 2.5 KW DC motor	ELECTRICIAN	<b>1</b>	Competitive Bidding

25	Phase Sequence Indicator	3 Phase, 415 V	ELECTRICIAN	<b>2</b>	Competitive Bidding
26	Resistance Type Starter	3 Phase, 415 V	ELECTRICIAN	<b>1</b>	Competitive Bidding
27	Auto Transformer Type Starter	3 Phase, 415 V	ELECTRICIAN	<b>1</b>	Competitive Bidding
28	Discrete Component Trainer	N/A	ELECTRICIAN	<b>1</b>	Competitive Bidding
29	Inverter with Battery	1 KVA with 12 V Battery INPUT- 12V DC, OUTPUT- 220V AC	ELECTRICIAN	<b>2</b>	Competitive Bidding
30	Solar panel with Battery	18 Watt Programmable controller	ELECTRICIAN	<b>1</b>	Competitive Bidding
31	DC SHUNT GENERATOR	2.5 KW with 3-PHASE Squirrel Cage Induction Motor 5HP 440V, with control panel & star delta starter	ELECTRICIAN	<b>1</b>	Competitive Bidding
32	Motor-Generator (AC to DC)	Squirrel Cage Induction Motor with star delta starter and directly coupled to DC shunt generator and switch board mounted with regulator, air breaker, ammeter, voltmeter, knife blade switches and fuses, set complete with case iron and plate, fixing bolts, foundation bolts and flexible coupling. Induction Motor rating: 7.5 HP, 415V, 50 cycles, 3 phases. DC Shunt Generator rating: 5 KW, 440V (Output voltage varies 110-440v)	ELECTRICIAN	<b>1</b>	Competitive Bidding

33	D.C. Compound Generator with control panel	Including fitted rheostat, voltmeter, ammeter and breaker, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V, with control panel & star delta starter	ELECTRICIAN	<b>1</b>	Competitive Bidding
34	DC Series Motor	2.5KW/220V, coupled with spring balance load and Starting arrangement.	ELECTRICIAN	<b>1</b>	Competitive Bidding
35	DC Shunt Motor	2.5KW/220V, with Starting arrangement.	ELECTRICIAN	<b>1</b>	Competitive Bidding
36	DC compound Motor	2.5KW/220V, with Starting arrangement.	ELECTRICIAN	<b>1</b>	Competitive Bidding
37	Motor Generator(DC to AC) set	Consisting of - Shunt Motor 5 HP, 440V DC with starting compensator and switch directly coupled to ALTERNATOR 3-Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pf, 50cycles with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible coupling.	ELECTRICIAN	<b>1</b>	Competitive Bidding
38	AC Squirrel Cage Motor	AC Squirrel Cage Motor 5 HP, 3-Phase, 415 V, 50 Hz with star delta starter and triple pole iron clad switch fuse with Mechanical Load.	ELECTRICIAN	<b>1</b>	Competitive Bidding
39	AC phase-wound slip ring Motor	5 HP, 3-Phase, 415 V, 50 Hz with starter switch	ELECTRICIAN	<b>1</b>	Competitive Bidding
40	Universal Motor	240 V, 50 Hz, 1 HP with starter/switch	ELECTRICIAN	<b>1</b>	Competitive Bidding
41	Synchronous motor	3 Phase, 3 HP, 440V, 50Hz, 4 Pole with accessories like starter, excitation arrangements.	ELECTRICIAN	<b>1</b>	Competitive Bidding

42	<b>ELECTRICAL MACHINE TRAINER:-</b>	Suitable for demonstrating the construction and functioning of different types of DC machines and AC machines (single phase and three phase). Should be fitted with friction brake arrangement, dynamo meter, instrument panel and power supply unit	ELECTRICIAN	<b>1</b>	Competitive Bidding
43	A.C. Series type Motor	1 HP, 240 V, 50 Hz	ELECTRICIAN	<b>1</b>	Competitive Bidding
44	Ceiling fan coil Winding Machine	250V, 50 Hz, 1- $\Phi$ , with speed control	ELECTRICIAN	<b>1</b>	Competitive Bidding
45	Primary current injection set	220V, 50 Hz, 1- $\Phi$ , output current - 200 A (min) with timer	ELECTRICIAN	<b>1</b>	Competitive Bidding
46	CRO Dual Trace	CRO Dual Trace 20 MHz (component testing facilities)	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding
47	POWER ELECTRONICS TRAINER	with at least 6 no's of application board MOSFET Characteristics SCR Characteristics SCR Lamp Flasher SCR Alarm Circuit Series Inverter Single Phase PWM Inverter	ELECTRONIC MECHANIC	<b>2</b>	Competitive Bidding
48	AC Motor Trainer Kit	¼ HP motor Single Phase Contactors, Relays, MCB, DOL Starter	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding
49	UPS	3 KVA WITH BATTERY BACKUP	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding
50	Digital IC Trainer Breadboard	for Circuit design with necessary DC Power Supply, Graphical LCD, Clock Frequency 4 different steps, Data Switches: 8 Nos, LED Display: 8 Nos. (TTL), Seven Segment Display, Teaching Simulation Software	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding

51	Microcontroller kits	<p>Along with programming software (Assembly level Programming)</p> <p>Core 8051, ready to run programmer for AT89C51/52 &amp; 55, programming modes Key Pad and PC circuits.</p> <p>Detailed learning content through simulation Software.</p>	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding
52	Application kits (Microcontrollers )	<p>Application kits for Microcontrollers 6 different applications</p> <ol style="list-style-type: none"> <li>1. Input Interface : 4x4 Matrix Keypad, ASCII Key PAD, Four Input Switch</li> <li>2. Display Module 16X2 LCD, Seven Segment, LED Bar Graph</li> <li>3. ADC/DAC Module with most popular DC/DAC0808</li> <li>4. PC Interface: RS232 &amp; USB</li> <li>5. Motor Drive: DC, Servo, Stepper</li> <li>6. DAQ: Data Acquisition to sense different sensors signals</li> </ol>	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding
53	UPS trainer PWM switching technology,	<p>Test points to measures the voltages of different sections Overall functioning of UPS Trainer, AVR transformer, UPS with load condition</p>	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding
54	Mobile phone Trainer	<p>2G /3G/4G Dual SIM GSM Handset. Frequency measurement and band verification. Real time Mobile Operation</p>	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding

55	Sensor Trainer Kit	<p>Containing following Sensors</p> <ol style="list-style-type: none"> <li>1. Thermocouple, 2. RTD,</li> <li>3. Load Cell/ Strain Gauge</li> <li>4. LVDT, 5. Smoke Detector Sensors, 6. Speed Sensor,</li> <li>7. Limit Switch, 8. Photo sensors, 9. Optocouplor,</li> <li>10. Proximity Sensor Graphical touch LCD with inbuilt processor for viewing the output waveforms, In built DAQ, and standard processing circuits like Inverting , Non-Inverting, Power, Current , Instrumentation Differential Amplifier, F/V,V/F, V/I, I/V Converter, Sensors:RTD, NTC Thermistor, LM35 Thermocouple, Gas (Smoke) Sensor, Load cell, LVDT Sensor, Speed Sensor</li> </ol>	ELECTRONIC MECHANIC	<b>1</b>	Competitive Bidding
56	Air conditioner	1.5 ton Split Type	COPA	3	Competitive Bidding
57	CRIMPING TOOL	N/A	COPA	5	Competitive Bidding
58	PATCH PANEL	24 PORTS	COPA	2	Competitive Bidding
59	LAN TESTER	N/A	COPA	5	Competitive Bidding
60	PUNCHING TOOL	N/A	COPA	5	Competitive Bidding
61	BATTERY	18 AH, 12 VOLTS	COPA	30	Competitive Bidding
62	Computer Table	Laminated Top 150x650x750 mm with sliding tray for key board and one shelf of storage	COPA	12	Competitive Bidding
63	Computer Chair	Without arms mounted on castor wheels, adjustable height	COPA	7	Competitive Bidding

64	Writing Chairs	N/A	COPA	<b>24</b>	Competitive Bidding
65	Air blow gun	With standard accessories Trigger operated with interchangeable nozzles	MMV	<b>1</b>	Competitive Bidding
66	Air impact wrench	With standard accessories	MMV	<b>2</b>	Competitive Bidding
67	Battery-charger	Capable to charge batteries from 5AH 150AH.	MMV	<b>2</b>	Competitive Bidding
68	Car jet washer	With stander accessories Minimum3 Phase 1HP 1400RPM Motor, 3 Reciprocating Plungers with pressure regulator & gauge. 8m Water hose with pressure adjustable brass nozzle.	MMV	<b>1</b>	Competitive Bidding
69	Outside Micrometer	0 to 25 mm	MMV	<b>2</b>	Competitive Bidding
70	Outside Micrometer	25 to 50 mm	MMV	<b>2</b>	Competitive Bidding
71	Outside Micrometer	50 to 75 mm	MMV	<b>1</b>	Competitive Bidding
72	Outside Micrometer	75 to 100 mm	MMV	<b>1</b>	Competitive Bidding
73	Piston ring compressor	N/A	MMV	<b>2</b>	Competitive Bidding
74	Vacuum gauge	0 to 760 mm of Hg	MMV	<b>2</b>	Competitive Bidding
75	<b>WORKING MODAL OF AIR BRAKE ASSMBLY.</b>	Two brake drums, vehicular air compressor driven by suitable Electric Motor, air dryer, brake chamber. stop light, different valves, air pressure gauges. With all accessories.	MMV	<b>1</b>	Competitive Bidding
76	Disk brake	Working condition with caliper assembly with all parts Exhibiting Brake disc, Caliper assembly, tandem master cylinder, brake hoses, oil bottle, pedal, etc	MMV	<b>1</b>	Competitive Bidding



77	Drum brake assembly	Drum brake assembly in Working Condition Brake drum, tandem master cylinder, oil container, brake hose, brake pedal	MMV	1	Competitive Bidding
78	Steering assembly	1.Rack & pinion (Rack & Pinion with steering wheel, column, tie rod end) 2. Worm & roller (Worm & Roller steering assembly with drop arm.) 3. Recirculating ball (Recirculating Ball steering with pitman shaft and drop Arm.) 4. Power steering (Hydraulic working power steering with steering wheel, column, flow pipe, hydraulic pump, oil reservoir.) 5. Electric Assisted Power Steering (Electric Assisted Power Steering with Rack and pinion, Electric Motor and Motor Control Module)	MMV	1	Competitive Bidding
79	Hydraulic jack	HI-LIFT type 3-Ton capacity	MMV	1	Competitive Bidding
80	Hydraulic jack	HI-LIFT type 5-Ton capacity	MMV	1	Competitive Bidding
81	Multi Scan Tool	To scan Engine, ABS & EBD, AT, SRS, Body Control and immobilizer	MMV	1	Competitive Bidding
82	Spring tension tester	N/A	MMV	1	Competitive Bidding
83	Air bag simulator Driver & Co Driver Air Bags, Seat belts with front seats, crash sensors, air bag ECU, Wiring Harness	Air bag simulator Driver & Co Driver Air Bags, Seat belts with front seats, crash sensors, air bag ECU, Wiring Harness	MMV	1	Competitive Bidding
84	Air conditioning service Unit (Car)	N/A	MMV	1	Competitive Bidding
85	Tyre Changer Machine	Motorized Pneumatic Type, Rim clamping facility, and bead breaking facility with air inflating device.	MMV	1	Competitive Bidding
86	Battery	150AH	MMV	2	Competitive Bidding

87	Battery	55 AH	MMV	1	Competitive Bidding
88	Battery	40 AH	MMV	1	
89	Four way reversible valve	N/A	REF/AC	1	Competitive Bidding
90	BLDC motor	BLDC motor with controller 15 – 30 watts,315 Volt DC	REF/AC	2	Competitive Bidding
91	IDU Pulse Generation type motor	IDU Pulse Generation type motor 15watt,230volt A.C	REF/AC	2	Competitive Bidding
92	Frost free refrigerator	Frost free refrigerator 200L carrying with HC blend	REF/AC	1	Competitive Bidding
93	Three/four door refrigerator	Three/four door refrigerator (Inverter type) 300L carrying with HC R-600a	REF/AC	1	Competitive Bidding
94	Split A/C	Split A/C (inverter technology) 1.5 TR, R-22, 410a, 32	REF/AC	1	Competitive Bidding
95	Core drill machine.	Core drill machine.	REF/AC	1	Competitive Bidding
96	Ice candy plant	Ice candy plant 2 ton with capacity to make 32 ice candy at a time with Forma tray, stainless steel tank on trolley	REF/AC	1	Competitive Bidding
97	Air-conditioning, direct system Complete with all controls including humidity control	Air-conditioning, direct system Complete with all controls including humidity control	REF/AC	1	Competitive Bidding
98	Air-conditioning, indirect system. (water cooled) Complete with all controls including humidity control	Air-conditioning, indirect system. (water cooled) Complete with all controls including humidity control	REF/AC	1	Competitive Bidding

99	VRF/VRV unit with two indoor units 2.5TR each and 5TR capacity outdoor unit complete with air cooled condenser, accessories and controls.	VRF/VRV unit with two indoor units 2.5TR each and 5TR capacity outdoor unit complete with air cooled condenser, accessories and controls.	REF/AC	<b>1</b>	Competitive Bidding
100	Walk in cooler PUF insulated for cold room 6X4.5X8 cft.R-13da temperature 00 -5 0 c	Walk in cooler PUF insulated for cold room 6X4.5X8 cft.R-13da temperature 00 -5 0 c	REF/AC	<b>1</b>	Competitive Bidding
101	WASHING MACHINE (SEMI AUTOMATIC)	WASHING MACHINE (SEMI AUTOMATIC)	REF/AC	<b>1</b>	Competitive Bidding
102	DIFFERENT PCB COMPTLE FOR WINDOW AND SPLIT AC	DIFFERENT PCB COMPTLE FOR WINDOW AND SPLIT AC	REF/AC	<b>4</b>	Competitive Bidding
103	INTERACTIVE BOARD (Latest version)	INTERACTIVE BOARD (Latest version)	REF/AC	<b>1</b>	Competitive Bidding
104	Split A.C 1.5 Ton with R134a or R-22 reciprocating compressor	Split A.C 1.5 Ton with R134a or R-22 reciprocating compressor	REF/AC	<b>1</b>	Competitive Bidding
105	Bottle cooler visible 200 L carrying with HFC-134a& reciprocating compressor	Bottle cooler visible 200 L carrying with HFC-134a& reciprocating compressor	REF/AC	<b>1</b>	Competitive Bidding
106	Water dispenser bubble type (Hot and Cold) 2.5 to 3ltr. Delivery capacity per hour	Water dispenser bubble type (Hot and Cold) 2.5 to 3ltr. Delivery capacity per hour	REF/AC	<b>1</b>	Competitive Bidding
107	Class Room Table	Class Room Table	REF/AC	<b>16</b>	Competitive Bidding