



GOVT. INDUSTRIAL TRAINING INSTITUTE (PWD)  
SUNDER NAGAR, DISTRICT -MANDI (H.P.)  
E mail: - [pplitiphsnr@gmail.com](mailto:pplitiphsnr@gmail.com) Contacts 01907-262083, 62083  
Website: - [www.himachaliti.org/phsnriti/](http://www.himachaliti.org/phsnriti/)



**Institutional Strategic Plan under STRIVE of Govt ITI PWD**  
**Sundernagar for the year of 2022-23**

Sr NO.	Name of Proposed Expenditure area /Trade	Proposed Amount	Remarks
1	Machinery and equipments for Electrician trade	970000	
2	Machinery and equipments Fitter Trade	736853	
3	Machinery and equipment's MMV Trade	920000	
4	Revolving Chairs for IT Lab	200000	
5	Computer Systems For IT Lab	1050000	
6	Machinery and equipments Welder Trade	206179	
7	Training facility /Interactive panels for Welder and MMV Trade, Podium conference hall	800000	
9	CCTV cameras CLC / ITI SOA building.	800000	
10	Raw material for all trades	166968	
11	Training for Teacher and Trainees	150000	
	Total	<b>6000000/-</b>	

**(Sixty Lakh only/-)**

Trade /area wise detail of proposed expenditure has been attached herewith Annexure -1

Member Secretary  
Institute Management Committee  
-Cum- Principal  
Govt. I.T.I. (PWD) Sunder-Nagar

Chairman  
Institute Management Committee  
or PWD Govt. I.T.I. Sundernagar

Sr No.	Trade	Sr No	Name of items	Specifications	Quantity	Aprox Rate	Aprox Amount	Remarks
1	Fitter	1	Hydraulic Trainer Kit, each consisting of the following matching components	Hydraulic Power pack with (1) external gear pump having a delivery rate of 2.5lpm, (approx.) @ 1400 rpm operating pressure 60 bar, coupled to a single-phase AC motor (230 V AC) having start capacitor and ON/OFF switch and overload protection, (2) pressure relief valve just able from 0 – 60 bar, (3) oil reservoir, ≥5 litres capacity having sight glass, drain screw, air filter, and P and T ports.				
	Fitter		accessories:	II. Pressure relief valve pilot-				
	Fitter			III. Drip tray, steel size 1160 mm x 760 mm. 1 No.				
	Fitter			IV. Pressure Gauge Glycerin-damped, Indication				
	Fitter			range of: 0 – 100 bars				
	Fitter			1 No.				
	Fitter			V. Four-Way distributor with five ports, equipped				
	Fitter			with a pressure gauge				
	Fitter			1 No.				
	Fitter			VI. Double acting hydraulic cylinder with a control cam,				
	Fitter			diameter 16 mm, Piston rod				
	Fitter			diameter 10 mm, Stroke				
	Fitter			length 200 mm.				
	Fitter			1 No.				

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*  
 Member Secretary  
 Institute Management Committee  
 -Cum-Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

*[Signature]*  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

Fitter		VII. Suitable Weight for vertical			
Fitter		hydraulic cylinder			
Fitter		1 No.			
Fitter		VIII. Mounting kit for weight for			
Fitter		realizing pulling and			
Fitter		pushing load.			
Fitter		1 No.			
Fitter		IX. 3/2-way directional control			
Fitter		valve with hand lever actuation.			
Fitter		X. 4/2-way directional control			
Fitter		valve with hand lever actuation.			
Fitter		XI. 4/3-way directional control			
Fitter		valve closed-centre position,			
Fitter		XII. Non-return valve. 1 No.			
Fitter		XIII. Pilot-operated check valve			
Fitter		Pilotto open. 1 No.			
Fitter		XIV. One-way flow control valve			
Fitter		Withintegrated check valve. 1			
Fitter		XV. T-Connector with self-sealing			
Fitter		coupling nipples (2 Nos.) and			
Fitter		quick coupling socket (1 No.).			
Fitter		2 Nos.			
Fitter		XVI. Profile plate, Anodised			
Fitter		1100x700 mm, with carriers,			
Fitter		mounting frames and			
Fitter		mounting accessories (To be			
Fitter		fitted onto the Hydraulic			
Fitter		workstation)			

*SM*

*SA*

*Shameer*

*h*  
Member Secretary  
Institute Management Committee,  
-Cum- Principal  
Govt. I.T.I. (PWD) Sunder-Naga

*Shameer*  
Chairman  
Institute Management Committee  
for PWD Govt. I.T.I. Sundernagar

Fitter		Hydraulic Workstation with 40 square mm aluminium profile legs, wooden work surface, and one pedestal drawer unit having 5 drawers, each with handles and individual locks, on metallic full panel drawer slide:	(1) Worktable – Size (Approx.) L1200mmXW900mmXH900 mm, with four castor wheels including two lockable wheels at the front side, (2) Drawer – Size (Approx.) – L460mmxW495mm xH158mm each, and overall size of Drawer unit (Approx.) L470mmxW495mmxH825m m and (3) Drawer slide height (Approx.) 85mm.	01 set	450000	450000
Fitter		Cut-section models for hydraulic components		01 set	50000	50000
Fitter	2	Try Square.	150 mm blade	16	95	1520
Fitter	3	File flat - second cut	250 mm	6	395	2370
Fitter	4	File flat smooth	250 mm.	6	494	2964
Fitter	5	File half round second cut	150 mm.	4	520	2080
Fitter	6	Hacksaw frame fixed type	300 mm	17	115	1955
Fitter	7	Safety goggles.		4	22	88
Fitter	8	Dot punch	100 mm	18	48	864
Fitter	9	Drill twist Taper shank	8 mm to 20 mm by 0.5 mm H.S.S.	2	38800	77600
Fitter	10	File round second cut	200 mm	2	393	786
Fitter	11	File square second cut	250 mm	2	528	1056
Fitter	12	File flat second cut safe edge.	300 mm	5	585	2925
Fitter	13	File half round second cut.	250 mm	5	920	4600
Fitter	14	File half round bastard.	250 mm	3	785	2355
Fitter	15	File round bastard.	250 mm	1	510	510
Fitter	16	File hand second cut.	150 mm	2	325	650
Fitter	17	File card.	3"x5" size, brass or steel wire	2	95	190
Fitter	18	Scraper flat	150 mm	4	115	460

*(Signature)*

*(Signature)*

*(Signature)*  
 Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

Fitter	19	Pipe wrench	400 mm	1	740	740
Fitter	20	Machine vice - Swivel Base	125 mm	1	21000	21000
Fitter	21	Sleeve drill Morse	No. 0 - 1, 1 - 2, 2 - 3, 3 - 4, 4 - 5	1	940	940
Fitter	22	Machine vice.	100mm	1	14000	14000
Fitter	23	Torque wrench (Standard/Ratchet type)	14 to 68 Nm	1	3400	3400
Fitter	24	Power tools for fastening	Capacity 10-18mm	1	3400	3400
Fitter	25	Aviation Snips straight Cut	300 mm	2	1000	2000
Fitter	26	Flat headed hammers with handle.		2	200	400
Fitter	27	Lathe tools Carbide tipped set.		1	300	300
Fitter	28	Spirit Level metal Type - 2	300 mm Basic Length Accuracy 0.1mm/Meter	1	500	500
Fitter	29	Stud Extractor EZY	Stud Extractor EZY - out Set of 8	2	1000	2000
Fitter	30	Blow Lamp	0.5 litre	1	700	700
Fitter	31	Different Profile gauges (Plate type) - For demonstration	Metric standard	4	1000	4000
Fitter	32	Machine maintenance manual for Lathe, Pedestal grinder, Drill machine, Power saw		5	500	2500
Fitter	33	Dowel pin (straight)	Dia. -1" Length -4" (Mat:Stainless Steel)	1	500	500
Fitter	34	Standard Tap screws	M3, M4, M5, M6, M8, M10, M12, M14, M16 ( Display on board with name, specification and Covered free from durt and moisture)	1	6000	6000

  
 Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*

Fitter	35	Medium carbon Heat treated alloy steel Metric Studs and bolts along with nuts (for display) of standard length	M6, M8, M10, M12, M14, M16 (Standard) ( Display on board with name, specification and Covered free from durt and moisture)	2 each	3000	3000
Fitter	36	Caps screws	M6, M8, M10, M12 ( Display on board with name, specification and Covered free from durt and moisture)	2 each	3600	3600
Fitter	37	Drill gauges	Letter drill gauge (A to Z), Number drill gauge (1 to 60), Metric drill gauge (1.5mm to 12.5mm, 30 holes)	1 each	2000	2000
Fitter	38	Stop cock	25NB (2-way, Threaded end)	2	500	1000
Fitter	39	M.S. Pipe	150NB, Sch.40, ERW, IS:1239	2	5000	10000
Fitter	40	Slip-on Forged steel Flange	150NB, ANSI-B16.5, Class#150	4	500	2000
Fitter	41	Bolt & Nut with washer	M20x2.5x90 Long (part thread - Hex. Head) ( Display on board with name, specification and Covered free from durt and moisture)	20	2500	2500
Fitter	42	Jigs & Fixture (sample)-For demonstration	( Display on board with name, specification and Covered free from durt and moisture)	1	10000	10000
Fitter	43	Packing gasket	PTFE gasket roll small size	1	1000	1000
Fitter	44	Washer, clutch, keys, jib, cotter & circlip	minimum 25mm size, carbon steel material ( Display on board with name, specification and Covered free from durt and moisture).	2 each	1000	1000
Fitter	45	Drill Drift (May be manufactured inhouse)	200mm hardened and black finish	2	250	500

Member Secretary  
Institute Management Committee  
-Cum- Principal  
Govt. I.T.I. (PWD) Sunder-Nagar

Chairman  
Institute Management Committee  
for PWD Govt. I.T.I. Sundernagar

*[Signature]*

*[Signature]*

*[Signature]*

Fitter	46	Bearing different types	each type of diameter 25mm (min.) ( Display on board with name, specification and Covered free from durt and moisture)	1 each	15000	15000
Fitter	47	cold chisel flat 20 x 150mm		21 no.	500	10500
Fitter	48	portable Hand Drilling M/c 13mm chuck		1 no.	10000	10000
<b>Total</b>						<b>736853</b>

*[Signature]*

*[Signature]*

*[Signature]*

*[Signature]*  
 Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

*[Signature]*  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

Sl. No.	Trade	Sr No	Name of Items	Specifications	Quantity	Aprox Rate	Aprox Amount	Remarks
2	MMV	1	Diesel Engine six Cylinder in running condition	Latest Diesel Engine CRDI 4 Stroke 6 Cylinders, Turbocharged Engine in running condition. All sensors, wiring, fuel feed, cooling system & instrument cluster	1	800000	800000	
		2	Demonstration board of electronic Ignition system, ignition coil	With HT coil, HT wires, Spark Plugs, ignition switch, coil, distributor, battery, and wiring.	1	25000	25000	
		3	Spring tension tester	Manually operated with analogue display	1	20000	20000	
		4	Instructor's laptop with latest configuration pre-loaded with operating system and MS Office package.		1	75000	75000	
			<b>Total</b>				<b>920000</b>	

*By*

*By*

*By*

*[Signature]*  
 Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

*[Signature]*  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

No.	Trade	Sr No	Name of Iems	Specificatons	Quantity	Aprox Rate	Aprox Amount	Remarks
3	Electrician	1	D.C. Compound Generator with control panel including fitted rheostat, voltmeter, ammeter and breaker	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	01 set	160000	160000	
		2	D.C. Shunt Generator with control panel	D.C. Shunt Generator with control panel, 2.5 KW, 220V & 3phase Squirrel cage Induction Motor, 5HP, 440V with control panel & star delta	01 set	160000	160000	
		3	DC compound Motor with starter and switch	2.5 KW, 220 volts DC compound Motor with starter along with control panel	01 set	110000	110000	
		4	DC Series Motor coupled with spring	Volts DC Series Motor coupled with spring balance load fitted with control panel	01 set	110000	110000	
		5	DC Shunt Motor	with spring balance load fitted with control panel	01 set	110000	110000	

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

Member Secretary  
Institute Management Committee  
-Cum- Principal  
Govt. I.T.I. (PWD) Sunder-Nagar

*[Handwritten signature]*

Chairman  
Institute Management Committee  
Govt. I.T.I. Sundernagar

			Motor Generator(D C to AC) set consisting of - Shunt Motor with starting compensator and switch directly coupled to AC generator with exciter and switch board mounted with regulator, breaker, ammeter, voltmeter frequency meter, knife blade switch and fuses etc. Set complete with cast iron bed plate, fixing bolts, foundation bolts and flexible	Shunt Motor rating : 5 HP, 440V AC Generator rating : 3-Phase, 4 wire, 3.5 KVA, 400/230 Volts, 0.8 pf, 50cycles				
		6					160000	160000
			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 phase. DC Shunt Generator				
		7					160000	160000
					01 set		160000	160000
				<b>Total</b>				<b>970000</b>

Member Secretary  
Institute Management Committee  
-Cum- Principal  
Govt. I.T.I. (PWD) Sunder-Nagar


Chairman  
Institute Management Committee  
for PWD Govt. I.T.I. Sundernagar

Sr No.	Trade	Sr No	Name of lems	Specificatons	Quantity	Aprox Rate	Aprox Amount	Remark s
1	IT lab	1	All in One Computer System	Processor: Intel Core i5 10 <sup>th</sup> generation or above RAM: 8 GB DDR4 or above Hard Disk Drive: 1TB HDD/ 512 GB (OR ABOVE) SSD Optical Drive: 8x or higher DVD R/W Drive Graphics: Intel UHD Graphics Audio: Realtek ALC3247 codec or better, high-performance internal speaker, combo Microphone/ headphone jack Ethernet: Integrated Gigabit (10/100/ 1000 NIC) LAN & inbuilt Wi-Fi Ports: Minimum 4 USB Ports (at least 2 USB 3.2 Gen 1 or higher, 2 USB 2.0, 1 HDMI Port/ Display port Integrated media card reader, RJ-45 network connector, RS-232 serial port, Universal audio jack for headphone & MIC, Audio line in, Audio line out. Form Factor: All-in-One Keyboard/Mouse: Universal USB Wired keyboard (Same make as PC), Universal USB wired optical Two Button Scroll Mouse (Same make as PC). Operating System: Genuine Microsoft Windows 11 Pro 64-bit Display: 23.8" or higher diagonal FHD IPS display resolution of 1920 x 1080 or higher Webcam: 720P Camera webcam with integrated dual array digital microphone Preloaded Software to be included: Genuine full version Microsoft Office 2021 or above, Full version of Antivirus for min. one year from date of installation. Color: Black Warranty: 3 years Onsite comprehensive warranty, can be Upgradable further for two (02) years. Other terms: Complete installation along with drivers at site along with complete Arrangement to be made at site by supplier for networking of desktops from Ethernet switch.	15	70000	1050000	
		2	Revolving Chairs With		50	4000	200000	
<b>Total</b>							<b>1250000</b>	

*[Handwritten signature]*

*[Handwritten signature]*

*[Handwritten signature]*

  
 Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar


  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

No.	Trade	Sr No	Name of Iems	Specificatons	Quantity	Aprox Rate	Aprox Amount	Remarks
5	Welder	1	Tip Cleaner		13	35	455	
	Welder	2	Screw Driver	300mm blade and 250 mm blade	2	180	360	
	Welder	3	Earth clamp	600amp	6	150	900	
	Welder	4	Spanner D.E.	6 to 32 mm	2	500	1000	
	Welder	5	S.S tape	5 m	1	100	100	
	Welder	6	Electrode holder	600 amp	6	250	1500	
	Welder	7	H.P. Welding torch	with 5 nozzles	2	3200	6400	
	Welder	8	Auto Darkening Welding Helmet		2	5000	10000	
	Welder	9	Pedestal grinder fitted with coarse	300 mm dia	1	20000	20000	
	Welder	10	Hand shearing machine capacity	cut 6 mm sheets and flats	1	7200	7200	
	Welder	11	Portable drilling machine	cap 6 mm	1	4200	4200	
	Welder	12	Die penetrant testing kit		1	1400	1400	
	Welder	13	Magnetic particle testing Kit #		1	24000	24000	
	Welder	14	Suitable Gas cutting table		1	8000	8000	
	Welder	15	Cotton hand Gloves		20	180	3600	
	Welder	16	S.S Wire brush		20	45	900	
	Welder	17	Leather hand sleeves		20	250	5000	
	Welder	18	Safety boots for welders		20	950	19000	
	Welder	19	Leg guards leather		20	350	7000	
	Welder	20	Rubber hose clips		20	12	240	

Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

Welder	21	Arc welding cables multi cored copper	400/ 600 amp as per BIS	45	80	3600	
Welder	22	Arc welding single coloured glasses	108 mm x 82 mm x 3 mm. DIN 11A & 12 A	34	60	2040	
Welder	23	Arc welding plain glass	108 mm x 82 mm x 3 mm	68	8	544	
Welder	24	Gas welding Goggles	with Colour glass 3 or 4A DIN	34	60	2040	
Welder	25	Safety goggles plain		34	50	1700	
Welder	26	Instructor's laptop with latest configuration pre-loaded with operating system and MS Office package.		1	75000	75000	
			Total			<b>206179</b>	

  
 Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

Sr No.	Trade	Sr No	Name of Items	Specifications	Quantity	Aprox Rate	Aprox Amount	Remarks
1	Training Facilities	1	CCTV Cameras					
			Hostal, clc Building			800000	800000	
		2	Podium for					
			Conference Hall			300000	300000	
	Training Facilities	3	Intrective Penals	<b>Interactive Digital Board</b>				
				<b>Monitor Dimension (W x H x D)</b>				
				65 inches				
				<b>OS (Windows 32bit or 64bit)</b>				
				Windows 7, Windows 10				
				<b>OS (macOS)</b>				
				macOS 10.12 Sierra, MacOS 10.13 High Sierra				
				<b>CPU (Windows)</b>				
				2.7GHz+ Dual Core Broadwell or				
				<b>CPU (macOS)</b>				
				Any CPU which supports Sierra or				
				<b>Memory</b>				
				4GB RAM				
				<b>Hard Drive</b>				
				1GB of free space				
				<b>Graphics Hardware (Windows)</b>				

*[Signature]*

*[Signature]*

Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sundernagar

*[Signature]*  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

				Intel Iris or higher, Nvidia, ATI				
				<b>Graphics Hardware (macOS)</b>				
				Any GPU which supports Sierra or				
				<b>Interface: HDMI (3), DP, DVI, RGB, RS232C, RJ45, USB (2), OPS USB, Touch USB (2), Wi-fi Built-in</b>				
				<b>Total</b>	2	250000	500000	<b>1600000</b>

  
 Member Secretary  
 Institute Management Committee  
 -Cum- Principal  
 Govt. I.T.I. (PWD) Sunder-Nagar

  
 Chairman  
 Institute Management Committee  
 for PWD Govt. I.T.I. Sundernagar

(15)

No.	Trade	Sr No	Name of Items	Specifications	Quantity	Aprox Rate	Aprox Amount	Remarks
6	Teacher/ Trainees Training		Teacher/ Trainees Training			150000	150000	
				<b>Total</b>			<b>150000</b>	



Secretary  
Institute Management Committee  
-Cum- Principal  
Govt. I.T.I. (PWD) Sunder-Nagar



Chairman  
Institute Management Committee  
for PWD Govt. I.T.I. Sundernagar

Sr No.	Trade	Sr No	Name of Items	Specifications	Quantity	Aprox Rate	Aprox Amount	Remarks
	7 All trades		Raw					
		1	Material			166968	166968	
			Total				166968	

*Handwritten signature*

*Handwritten signature*

*Handwritten signature*  
Member Secretary  
Institute Management Committee  
-Cum- Principal  
Govt. I.T.I. (PWD) Sunder-Nagar

*Handwritten signature*  
Chairman  
Institute Management Committee  
for PWD Govt. I.T.I. Sundernagar