

**GTVC(B), Dargai Malakand.**  
**Annexure-B1**

**Tools/Equipment's for General Electrician Trade**

<b>Sr.no</b>	<b>Item Description</b>	<b>Quantity</b>
1.	Adjustable ladder, 6 Ft	2 Nos
2.	Ammeter (Panel type 4" x 4") 0-30-AC 50 HZ	20 Nos
3.	Bearing puller(3 &4 inches)	5 Nos each
4.	Bench Vice 5"	05 Nos
5.	Center punch	20 Nos
6.	Chisels 6", 12"	10 Nos each
7.	Circuit Breaker (Single, double, three pole)	20 Nos
8.	Drum Switch ON / OFF, REV / FOR, Star / Delta	10 Nos. Each
9.	Dust brush / File brush	20 Nos each
10.	Earth Resistance Tester	5 Nos
11.	Electric soldering iron 150 watt	10 Nos
12.	Farmer chisels 8".	10 Nos
13.	Files (Flat) (36x22x13)cm	20 Nos each
14.	Files (Half round) 200 x 2 (36x22x14)	20 Nos
15.	Files (Raps cut) 150	20 Nos
16.	Files (Round) (30x25x14)cm	20 Nos
17.	Files (Triangular) 150 x 2(25x22x17)cm	20 Nos
18.	Fuse (15A, 25-30A)	20 Nos
19.	Hack saws	20 Nos
20.	Hammers 200 grams	20 Nos
21.	Hand Electric Drill Machine with hammering 0-13 mm	02 Nos
22.	High insulation rubber hand gloves	20 Nos
23.	Insulated long nose pliers with side cutter	20 Nos
24.	Insulated pliers with side cutter	20 Nos
25.	Insulated wire cutter	20 Nos
26.	Insulation Remover 150 mm	20 Nos
27.	Iron hammer 500 grm	10 Nos
28.	Jigsaw machine portable	1 No
29.	Knife(6 inches )	20 Nos
30.	Magnetic Contactors 2 + 2 220 Volts / 10 A 50Hz	10 Nos.
31.	Measuring tap 3m	20 Nos
32.	Motor Protection Switch Three Phase	10 Nos.
33.	Multi-meter (Analog)	06 Nos
34.	Multi-meter (Digital)	10 Nos
35.	Neon phase tester light duty pocket size	25 Nos
36.	Overload Relay 0.5 – 3.0 Amp	20 Nos.
37.	Pedestal drill machine(1/2 inch)	2 Nos
38.	Philips screw driver No 1, 2, 3.	20 Nos each
39.	Power factor meter	2 Nos
40.	Push Button Single Way / Two Way / Three Way	20 Nos. Each
41.	RLC Tester	2 Nos
42.	Rubber hammer	10 Nos
43.	Scissor 6	5 Nos

44.	Screw Driver 4", 6", 8"	25 Nos each
45.	Scriber	20 Nos
46.	Single phase energy meter 220V /10-20A	5 Nos
47.	Single Phase Motor 220 Volts 50Hz ½ HP	5 Nos.
48.	Steel foot rule.	20 Nos
49.	Three phase energy meter 30 A	5 Nos
50.	Three Phase Motor 380 Volts 50Hz 2 HP	5 Nos
51.	Tong tester meter	20 Nos
52.	Tri square 150 x 100 mm	20 Nos
53.	Variable Power Supply 0-24V, 5A	5 Nos
54.	Vernier caliper 150 mm	20 Nos
55.	Volt meter (Panel type 4" x 4") 0-300V-AC 50 HZ	10 Nos
56.	Volt meter (Panel type 4" x 4") 0-600V-AC 50 HZ	10 Nos
57.	Wire stripper	5 Nos
58.	Wooden saw 300 mm	10 Nos
59.	Heat gun	10 Nos
60.	Hot glue gun big	10 Nos
61.	Thimble Crimper Crimping tools	15 Nos
62.	Hand Driven Generator Type insulation tester (Megger)	02 Nos
63.	Digital Megger insulation tester	01 Nos
64.	Micrometre 0 to 1" 0 to 25mm	02 Nos
65.	Vernier Calliper 6" or 30cm	02 Nos
66.	Wire Gauge	05 Nos

Govt: Technical & Vocational Centre (B) Dargai Malakand

**Annexure-B2**  
**Tools/Equipment's for Plumbing Cum Solar Trade**

<b>Sr.#</b>	<b>Item Description</b>	<b>Quantity</b>
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1.	Adjustable wrench 6",8",12"	25
2.	Pipe Bender Machine Hydraulic complete set	4
3.	Chisel set	25
4.	Trowel	25
5.	Electric Drill machine(hammering with healthi )3/4"	10
6.	<b>Ratchet Set:</b> 82 Piece Multi Large Toolkit. - Pure Stainless Steel. - Extra Heavy Duty. - Chrome Vanadium. - 4mm to 32mm Sockets. - 2 x Auto Adjustable Ratchet. - 2 x Universal Joint. - 9 x Piece Ring Spanner Set. - Multi Convertor. - Rod Length Extender. - L-key Set. - Bit Set. - Screwdriver Bit Set.	12
7.	Extension board 10 meter 2 core	6
8.	First Aid box	2
9.	Gloves leather, rubber	25
10.	Safety goggles Plastic/glass	25
11.	<b>Hand Electric Grinder</b> Rating 220 V, 900-1500 Watt Wheel diameter: Minimum 4 Inch Small angle grinder No Load RPM: Minimum 10000 Ergonomic slim grip Removable brush covers Reinforced wheel guard Lock-on side switch	5
12.	<b>Lock plier</b> 180mm / 7 inch Specially designed for the refrigeration industry, pinches off and locks on, copper tubing up to 3/4" (19mm) instantly. Leaves both hands free Ideal for emergencies, No Shut off valves needed. Service temperature up to +350°C without deformation	12
13.	Hammer 250gm,500gm,1000gm,1500gm,2000gm	5
14.	Helmet ABS Material	25
15.	Hacksaw 12" with blade	15
16.	Spirit Level 6",12",8"	15

17.	L-key set	6
18.	Measuring tape fiber glass ,10 meter	10
19.	Pipe wrench ,10",12",14",18"	10
20.	<b>pipe cutter</b> Copper and aluminum pipe cutterCutting diameter:3-32mm With high Quality blade Aluminium knob Packed by sliding card	10
21.	Safety boots(Shoes) Upper leather , pu sole, steel toe, heat resistence	25
22.	Screw driver set 6",8",10",12"	6
23.	Spanner set 6mm to 24mm chrome vanadium steel, carbon steel. Polished appearance	6
24.	Metal Tools box iron+3 draws	25
25.	Torch Chargeable	5
26.	Cast iron Pipe Vice with stand Pipe dia capacity (in inches) : 1 1/2- 6 Pipe dia capacity (in mm): 40 -150 Weight (app. In kgs. ): 2 - 10	10
27.	Compass Spring type 8"	6
28.	Solar Water Heater (Complete Set) Different denominations of different types	4
29.	Centrifugal pump ½"	3
30.	<u>Reciprocating 1/22</u> Motor with Pump Capacity: 3.2 m <sup>3</sup> /h (max.) Head: 175 m (max.) Suction: 8 m (max.) Ambient Temperature: +50°C (max.) Liquid Temperature: +60°C (max.) Pump Pulley Speed: 290-310 RPM. Motor :0.5 HP	3
31.	Pipe Insulation Material; FOAM	15
32.	Sealing Tapes	20
33.	Bench Vice 5" with bench	12
34.	Oil Can ; steel wesco type	25
35.	Center Punch	25
36.	Wire Brush	25
37.	Pipe Reemar	6
38.	Tap Set 1/8",1/4",3/8",1/2",3/4",1" with handle	6
39.	Air Compressor 10 bar	3
40.	Tri square 6",8"	12
41.	GI Pipe Cutter ½" to 2"	12
42.	Gi Pipe Die ½" to 2"	12
43.	PPR Heater 25mm to 200mm	12
44.	PPR Pipe Cutter 25mm to 200mm	12
45.	Flat File 10" Double cut	24
46.	Half Round File 10"	24
47.	Round File 10"	24
48.	Geyser Electric 10 gallon	05

49.	Instant gas Geyser 08 Letter	05
50.	Water Closet Eastern	05
51.	Water Closet European	05
52.	P-Trap 4"	10
53.	Bath Set Chrome (Complete)	06
54.	Hand wash Basin (Pedestal)	06
55.	Kitchen Sank Steel (Medium Size)	06
56.	Urinal (Medium Size)	12

**Annexure-B3**  
**Tools/Equipment's for Welding Trade**

Sr.no	Item Description	Quantity
1.	Star set 7 pieces changeable screw driver	5
2.	Mig Plier 8 inch	10
3.	Anvil 60kg	3
4.	Hammers 1kg to 5kg set	10
5.	Screw driver set 7pcs 4",6",8",10"	5
6.	Adjustable wrench 8',10",12" Max Power	4
7.	Combination Pliers 8" Auto	5
8.	Socket set 52pieces 1/4" Dr. 150mm spinner handle 1/4" x 3/8" adaptor, 3/8" Dr. 75mm extension bar 3/8" Dr. 200mm reversible ratchet handle, 3/8" Dr. spin disc, 16mm & 21mm spark plug socket 1/2" Dr. 250mm reversible ratchet handle, 1/4" Dr. AF sockets 5/32", 3/16", 7/32", 1/4", 9/32", 5/16", 11/32", 3/8", 13/32", 7/16", 15/32", 1/2" 1/4" Dr. metric sockets 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13mm, 1/4" Dr. sockets (8PT) 1/4", 5/16", 3/8" 3/8" Dr. AF sockets 9/16", 11/16", 3/4", 3/8" Dr. metric sockets 14, 16, 17mm, 1/2" Dr. metric sockets 10, 11, 12, 14, 15, 16, 18, 19, 20, 22mm	5
9.	Allen key set 9 pieces 0.5mm to 12mm cromvendiam	10
10.	Open and Ring spanner 12pes , 8mm to 24mm cromvendiam	5
11.	Digital Multi-meter Taiwan 500volt Ac Dc 1000 ,20 mega ohm	5
12.	Blower Gif-2 335watt 13000RPM 1.6Amp	3
13.	Dusters Stander size Pakistan	24
14.	Liquid cleaner	10
15.	Luster Drummond Metal Luster weight 18-0 Itom DL 6220K12 Brand Drummond	5
16.	Tip cleaner Different wire size China	10
17.	Anti spatter spray 400ml Banzan German	10

18.	GTAW Welding machine, TIG welding machine +argon cylinder 6.80cu/meter gas filled+argon regulator gauge+TIG torch heavy pressure, 300 - 400 amp+rubber hose pipe 8.5 mm with length 25ft+ invertor type+single phase /three phase complete installation, air cool system	1
19.	<u>Grinder</u> Rating 220 V, 900-1500 Watt Wheel diameter: Minimum 7 Inch Small angle grinder No Load RPM: Minimum 10000 Ergonomic slim grip Removable brush covers Reinforced wheel guard Lock-on side switch	10
20.	Chipping hammer 10''*4''	10
21.	Wire brush 6 inch	10
22.	Electrode drying oven 10 kg rad	2
23.	Desiccators weight capacity 70kg	3
24.	Lighting system Energy saver 45 watt	10
25.	Exhaust fans 16 inch	6
26.	Fire blankets Fiber glass 4ft * 6ft Thickness 0.030 in weight 3.23 Ib color Brown	15
27.	Cutters 6 inch Auto tera	5
28.	Manual beveling machine Pipe Diamrter 100-600mm cutting thick 5- 50mm Edge shape I or V Bevel Angle Up to 45 Weight 9kg weight 9kgs	2
29.	Different File set 8,10,12 inch with plastic handle	10
30.	Measuring tools 12ft Lever Lock Stenley	25
31.	Acetone Acetone 4N 1090 Ley court farm 5 Liters	5
32.	Electrodes E 7018 Kiswel 12No,10No,08No	10
33.	Manual post, Pre-heating stress relieving machine In put power 460- 575 3-phase 50/60Hz storage Temperature 40c-60c Dimensions H 699mm*W552mm*D933mm weight 103kg	1
34.	Temple sticks Tempindic 200C	10
35.	Gas cylinders (CO2, Argon) with accessories Jumbo size,2000pound pak with Tig, Mig Regulator,8.5mmpipe gas	3
36.	Gas cylinders (Argon) with accessories Jumbo size,2000pound pak with Tig, Mig Regulator,8.5mmpipe gas	3
37.	Wire spool 1.2mm wire size 15Kg weight	6
38.	Tungsten electrode 2.4mm 2% thoriated wt20 Liam	80
39.	Filler rod/ wire Er 70s-3	25
40.	<u>Dc welding machine with all accessories</u> 250 Amp Welding Mode = TIG and SMAW Input Power = I-Ph & III-ph Amperage Range = 2 Amp to 210 Amp (AC,DC Out-put) for TIG & SMAW Rated out put for TIG =210 Amp(AC and DC) at 18.4 V, 60% duty cycle and	2

	<p>Rated out put for SMAW =210 Amp at 26.4 V, 60% duty cycle  Max. Open circuit Voltage= 80 Vdc  Frequency = 50,60 Hz  Special Feature  Adjustment of AC Wave Form : Square wave, Soft Square wave, sine Wave and tri-angular wave  hot start switch control  Pre flow and post flow adjustment : 0 to 10 seconds  Built in Standard primary Power Cable  Eath cable in type (dinse style connector) 5 meter analog with earth clamp: (high quality 700A)  Electrode cable : 5 meter analog with high quality Electrode Holder. and  Electrode cable : 5 meter analog with tig torch (air cool)  Set of Ceramic cups: 4 ,5 ,6,7 ,8 10, 12 nos .Complete in all Respects  digital display Amp and volt meter  Forced air cool  Performance Data.  AC and DC TIG Material Thickness : 0.3 to 6.4 mm  for SMAW Capable E-6010 SWG 06 &amp; SWG 08  E-7018 and E7024 SWG 06  Dimension: LxWxH= (23x9x14) Inch  Net Weight 21Kg</p>	
41.	Welding Flux drying oven 100 Liter	2
42.	Gouging equipment with all accessories Series 602 Amp 15-395A volt 72VDC H762MM*Lift eye W 585mm D775mm including strain relief weight 160kg Miller USA	2
43.	<p><u>Pencil Grinder</u> Input Voltage= I-phase  Frequency =50/60 Hz  Amperage= 6.5 amp  No Load RPM = 10000 to 30000  Collet Capacity 1/4 Inch  service Minder; Weight= 4 lbs; Length=15-1/4Inch</p>	5
44.	Pedestal drill machine	02
45.	Flat File 10"	25
46.	Half round File 10"	25
47.	Round File 10"	25
48.	Cut off Grinder 12"	05
49.	Hand Disk Grinder 08"	05
50.	Hand Disk Grinder 04"	05
51.	Tungsten Electrode Grinder	3
52.	Leather apron Material leather large size	25
53.	Safety gloves Stander size pak	25
54.	Safety goggles Stander size pak	25
55.	Welding helmet Glass 4.5"*2" Blue Eagle	25
56.	Safety shoes 8,9,10 NO pak upper leather , pu sole, steel toe, heat resistance	25
57.	Ear plug standard size Japan	25



58.	Safety belt Model no R-502-N Body belt Nylon 50mm weight 1.39kg color orange brown	25
59.	Maxifil clean Fume Extractor self-cleaning filter Dimensions w790*885*1.180mm	1
60.	Dungaree Large size 40	25
61.	Fire extinguisher Dry powder 6Kg	10
62.	Tool box/bins 18inch * 8inch*6inch 16 Gauge sheet three step	30
63.	Generator 10kva	1