

**Consolidated Shortage List of Different Trades Running under PPP Mode
at Govt. ITI Hassangarh(Rohtak)**

S.no	Name of Item	Specification	Make
	<i>Tools & Equipments:-</i>		
1	CALLIPER ODD LEG	FRM JOINT 6"	Sagar/Status
2	Steel Rule	150mm	Omega
3	Scriber	150mm*3mm	ISO
4	Hammer ball pin	250 gm with handle (300 gram)	Venus/Ambika
5	Center punch	100mm	Sagar/Status
6	Prick punch	100mm	ISO
7	Divider spring joint	150mm	Sagar/Status
8	Safety goggles Clear Glass		Zoom
9	Marking Table	(CI) 120*120cm	ISO
10	Combination set	300mm(Complete set)	Mitutoyo
11	Pliers flat nose	150mm side cutting (or side cutting)	Ambetec/Venus
12	CALLIPER transfer inside	150mm	Sagar/Status
13	Dial vernier calliper with metric	200mm reading 0.05mm	Mitutoyo
14	Vernier bevel protractor	300mm blade	Mitutoyo
15	Radius guage	1to7mm and 7.5 to 15mm	Sagar/Status
16	Drill angle guage		ISO
17	Dial test indicator	0.01mm with megnatic base	Mitutoyo
18	Megnifying glass		ISO
19	Wheel dresser diamond	(inserted – 0.75 or 1 Carat)	Sagar/Status
20	Screw thread micrometer interchangeable		Mitutoyo
21	Sin bar with centers	200mm	Sagar/Status
22	Slip guage metric set	(87 pieces in a box)	Aerospace/ISO
23	Drill drift		Sagar/Status
24	Tap & Die metric	set up to 1 inch	Huma/Acto
25	Tap & Die BSW	up to 1 inch	Huma/Acto
26	Reamer machine straight flute	6 to 25 mm by 1 mm	Jaytee/Sagar
27	Reamer adjustable	10 to 20 mm	Jaytee/Sagar
28	Boring tool holder	for 6mm sq.tool bit	Sagar/Status
29	Angle plate with slots	200mm	Sagar/Status

30	Sprit level	0.05meter 200mm	ISO
31	Tap wrench	(adjustable)	ISO
32	Machine vice	100mm jaw(For drill machine)	Aries/ISO
33	Spare grinding wheel ajax type for carbide tool		ISO
34	Angle gauge for tool grinding		ISO
35	Tool cemented carbide	assorted shaped(External) for steel turning-set of 12nos.	ISO
36	Machine chaser	m-12 to m-21 (std. series)	ISO
37	Coventry die head		ISO
38	Gauge Drill Grinding		ISO
39	Lathe mandrels	(Different types)	ISO
40	Collapsible tap with attachment		ISO
41	Combination drill		Addission/IT
42	Bore dial guage stems -	12 to 35mm, 35 to 65mm, dial guage indicator of 0.01 accuracy.	
43	Multimedia teachware for CNC Technology and Interactive CNC Machine Simulators	with Console emulator s/w of popular control system	Fanuc,Simens,Mitsubishi etc
44	Caliper inside	15 cm spring.	Sagar/Status
45	Dot slot punch	10 cm.	ISO
46	Steel Rule	60 cm.	Omega
47	Marking table	91 x 91 x 122 cm.	ISO
48	Drill twist straight shank	1.5 to 12 mm by 0.5 mm	Addission/IT
49	Drill twist straight shank	8 mm to 15 mm by ½ mm	Addission/IT
50	File warding	15 cm smooth	ISO
51	File knife edge	15 cm smooth	ISO
52	File cut saw	15 cm smooth	ISO
53	File triangular	15 cm smooth	JK
54	File round	20 cm second cut	JK
55	Soldering Iron	350 gm.	ISO
56	Interchangeable ratchet socket set	with a 12 mm driver, sized10-32 mm set of 18 socket & attachments.	Ambetec/Venus

57	Clamp toolmaker	5 cm and 7.5 cm set of 2.	Sagar/Status
58	Clamp "C"	5cm	Aries/ISO
59	Clamp "C"	10cm	Aries/ISO
60	Stud Extractor	EZY – out	
61	Hand Reamer taper	4 -9mm set of 6OR 4 -7 mm set of 4.	Jaytee/Sagar
62	Drill twist Taper Shank	12 mm to 25 mm x 1.5.	Addission/IT
63	Hammer smith	2 kg. With handle.	ISO
64	Tongs roving	350mm.	ISO
65	Tongs fiat	350mm.	ISO
66	Smith's square	45 cm x 30 cm.	ISO
67	Cold set rodded	25X200mm.	ISO
68	Hot set rodded	25X200mm.	ISO
69	Swage block	35 x 35 x 12 cm.	ISO
70	Flatters	(rodded) 55 mm square.	ISO
71	Fuller top & bottom	6 mm 9 mm (Pair).	ISO
72	Shovel.		ISO
73	Trammel	30cm.	ISO
74	Pocker.		ISO
75	Hardle.		ISO
76	Leather apron.		ISO
77	Mallet.		ISO
78	Snips straight	25 cm.	ISO
79	Setting hammers with handle.		ISO
80	Planishing hammer.		ISO
81	Snip bent	25 cm.	ISO
82	Stake hatchet.		ISO
83	Stake grooving.		ISO
84	Carbide Wear Block	1 mm – 2 mm.	ISO
85	Gauge snap Go and Not Go	25 to 50 mm by 5mm. Set of 6 pcs.	ISO
86	Gauge plug single	ended 5 to 55 by 5 mm. Set of 11 pcs.	ISO
87	Gauge telescopic	upto 150 mm.	Mitutoyo
88	Sine bar	125 mm.	Sagar/Status
89	Sine bar	250 mm.	Sagar/Status
90	Arm strong type tool bit holder R.H.	1/2"	Sagar/Status

91	Arm strong type tool bit holder L.H.	1/2"	Sagar/Status
92	Arm strong type tool bit holder straight.	1/2"	Sagar/Status
93	Pipe cutter	6 mm to 50 mm wheel type.	ISO
94	Adjustable spanner	38 cm long.	Ambetec/Venus
95	Adjustable pipe chain tonge to take pipes	up to 300 mm.	Ambetec/Venus
96	Digital Vernier caliper	0-150 mm. L.C. 0.01 mm.(Optional)	Mitutoyo
97	Comparators stand with dial indicator LC	0.01mm.	Mitutoyo
98	Surface roughness comparison plates	N1-N12 grade	Germany
99	Drilling Machine Bench Sensitive	0-12mm Cap mortorized with chuck and key.	ISO
100	Sleeve drill Morse	0 - 1, 1 - 2, 2 - 3.	ISO
101	Leg vice	10cm jaw	ISO
102	Fire buckets.		ISO
103	Torque wrench	(14 to 68 Nm)	Torque Master/Ambetec
104	Punch hollow	6 mm to 19 set of 5	ISO
105	Punch round	3mm x 4 mm set of 2	ISO
106	File hand	15 cm second cut.	ISO
107	Chisel cold	9 mm cross cut 9 mm diamond cut	ISO
108	Screw Driver	15cm	Tapari/ISQ
109	Safety goggles		SQ
110	Drill grinding attachment	SQ	SQ
111	Universal marking Block	--	Mitutoyo/ ISI
112	Dial vernier calliper	0-200mm, loc 0.05	ISI/SQ
113	Slip guage	metric	SQ/ISI
114	Wheel dresser		SQ
115	Reamer parralel	12-16mm set	SQ
116	Outside digital multimeter	0-25mm LC 0.01	Mitutoyo/ ISI
117	Depth micrometer	0-25mm	Mitutoyo/ISI
118	Knife Electrician(D.B)		ISO
119	Small Crimping Tools	(Assorted)(10-100MM)	
120	Spanner Set D.E	Set of 06 from 6*7to16*17	Ambetec/Venus
121	Forge with hand blower		ISO
122	Crimping tool for telephone/LAN cable		ISO

123	Set of wall jumper	octagonal(37mm*450mm and 37*600mm)	ISO
124	Wire stripper	(150mm)	ISO
125	Foot print grip	(250mm)	ISO
126	Hot wire ammeter	(0-15Amp.)	NSI
127	Voltmeter center zero	(15-0-15 volts)	NSI
128	voltmeter M.I. multirange	(0-50,75,150v)	NSI
129	Single phase K.W.H. meter	(Digital)(05A,250 V.A.C)	Jaipur/Bentex
130	Single phase K.W.H. meter	(Analog)(05A,250 V.A.C)	Jaipur/Bentex
131	Clamp on ammeter	(0-25A,0-200A)	ISO
132	Three phase KWH meter	(Analog)(25A 415V AC)	Jaipur/Bentex
133	Three phase KWH meter	(Digital)(25A 415V AC)	Jaipur/Bentex
134	UPS 500VA with Battery	230V	Intex
135	DC series motor	with 2 point starter 3HP 250V with 3 Point starter and speed regulator(Laboratory type)	HTM
136	DC Power Supply	(250VDC 25AMP)	ISO
137	Semi automatic star Delta Starter		Bentex/L&T
138	Automatic Star Delta starter		Bentex/L&T
139	Automatic reverse forward starter		
140	Single phasing preventer	(415 volts)	
141	D.O.L. Starter		Bentex/L&T
142	Soft Starter	1PH.	ABB
143	Flux meter		ISO
144	2 KVA alternator	with 3 phase induction motor	ISO
145	5 HP Slip Ring Induction motor	with rota resistance starter	ISO
146	Lead Acid battery	75AH,12volt	Exide
147	Hydraulic Crimping tool for U.G	(20 Sq mm to 250 sq mm)	Janson
148	Auto transformer	(3 Phase 0-500Volt 1KWA)	ISO
149	Current Transformer	(10/1, 20/1, 50/5, 100/5, 300/5A)	ISO
150	Potential Transformer	(220/110, 300/110, 440/110, 600/110)	ISO
151	Earth leakage circuit breaker	(ELCB) 220V/25AMP.)	ISO
152	Metal clad circuit breaker	(MCCB)220V/1A.	ISO

153	Electrical Machine trainer	Suitable for demonstrating the construction and functioning of different types of DC Machine and AC machines (Single phase and three phase) Should be fitted with friction brake arrangement ,dynamo meter,instrument panel and power supply unit	ISO
154	Instructor chair full arm,	caned back of seat	ISO
155	White board		ISO
156	Steel Almirah	(2.5*1.20*0.50m)	ISO
157	Cotton hand Gloves	8"	ISO
158	Leather hand sleeves	16"	ISO
159	Welding helmet fiber		ISO
160	Leg guard s leather		SQ
161	Gas welding Goggles	color glass 3 or 4a din	SQ
162	Safety goggles	plain	SQ
163	AG4 Grinding wheels		SQ
164	Scriber	150mm double point	SQ
165	Flat tongs	350mm long	SQ
166	GMAW welding machine 400a capacity with air cooled torch ,regulator , Gas preheater, gas hose and standard accessories		SQ
167	AC/DC GTAW welding machine with water cooled torch 300a Argon regulator , gas hose,water circulating system and standard accessories		SQ
168	AG 4 Grinder		SQ
169	White board	120mm x 900mm	SQ
170	Instructor Laptop with latest pre loaded with operating system and MS Office package		SQ
171	LCD Projector with screen		SQ
172	Welding process ,Inspection & codes DVD/CDs		SQ

173	Power saw machine 18"		SQ
174	Oxygen/Acetylene cylinders		SQ
175	CO2 cylinder		SQ
176	Argon gas cylinder		SQ
177	Swage block		SQ
178	Suitable cutting table		SQ
179	Welding simulator for SMAW/GTAW/GMAW		ISO
180	Chipping hammer	with metal handle 250 Grams	ISO
181	Chisel cold flat	19 mm x 150 mm	ISO
182	Centre punch	9 mm x 127 mm	ISO
183	Dividers	200 mm	ISO
184	Hack saw frame fixed	300 mm	Jolly
185	File half round bastard	300 mm	JK
186	File flat	350 mm bastard	JK
187	Hammer ball pane	1 kg with handle	Ambetec/Venus
188	Tip Cleaner		ISO
189	Try square	6"	Sagar/Status
190	Number punch	6 mm	Sagar/Status
191	Letter punch	6 mm	Sagar/Status
192	CO2 Gas pressure regulator,	with flow meter	Ashu
193	Argon Gas pressure regulator	with flow meter	Ashu
194	Flash back arrester	(torch mounted)	ISO
195	Flash back arrester	(cylinder mounted)	ISO
196	Air Plasma cutting equipment with all accessories,	capacity to cut 25 mm clear cut	Weldstar
197	Air compressor suitable for air plasma cutting system	300 pond with HP , LP , Double Piston	ISO
198	Auto Darkening Welding Helmet		ISO
199	Spot welding machine	15 KVA with all accessories	ISO
200	Pedestal grinder fitted with coarse and medium grain size grinding wheels	dia. 300 mm	ISO
201	Bench grinder fitted with fine grain size silicon carbide green grinding wheel	dia. 150 mm	ISO
202	Trolley for cylinder	(H.P. Unit)	ISO
203	Portable drilling machine	(Cap. 6 mm)	ISO

204	Work bench	340x120x75 cm with 4 bench vices of 150 mm jaw opening	ISO
205	Anvil	12 sq. inches working area with stand	ISO
206	Die penetrant testing kit		
207	Magnetic particle testing Kit		ISO
208	Fire extinguishers	(foam type and CO2 type)	ISO
209	Fire buckets stand only	4 bucket & stand	ISO
210	Portable abrasive cut-off machine		Skill/B & D
211	Students chairs with writing pads		ISO
212	Instructors lap top with latest	(vista & above) configuration pre loaded with operating system. and MS Office	Dell/Lenovo/Toshiba
213	Steel Tape,	15M Length	Freeman
214	Plier insulated	150mm	Ambetec/Venus
215	Screw Driver	150mm	Ambetec/Venus
216	Electrician Connector, Screw Driver insulated handle thin Stem	100mm	Ambetec/Venus
217	Electrician Screw Driver insulated handle thin Stem	250mm	Ambetec/Venus
218	Spanner Adjustable	300mm	Ambetec/Venus
219	Chisel	6mm	ISO
220	Portable Electric drill machine 6mm Capacity		B & D
221	Pully Puller		ISO
222	Pipe Vice	3"	ISO
223	File flat	200mm 2nd cut	JK
224	Soldering Iron	25watt.	Shanu
225	Pipe cutter to cut pipes	upto 5cm dia.	ISO
226	Pipe cutter to cut pipes	above 5cm dia.	ISO
227	Stock and die	set for 20mm to 50mm G.I. Pipe	Huma/Acto
228	Ohm meter Series type		ISO
229	Ohm meter Shunt type		ISO
230	Hygrometer		ISO
231	Cutout		ISO
232	Resistance type Motor Starter		ISO
233	Auto Transformer Type Motor Starter		ISO

234	AC Ammeter	M.I 0-25A	NSI
235	Battery Charger		ISO
236	Locker with 16 drawer		ISO
237	Synchronous motor	3 Phase, 3HP,415V,50HZ,4 Pole, with accessories	HTM
238	Crimping tool		
239	3 phase Transformer	cell type, oil cooled with all mounting 3 KVA 415 /240 V 50hz delta/satr	ISI/SQ
240	Lux meter		sq
241	Inkjet laser printer		ISI/SQ
242	Pentium 4 computer or latest	(Server linux) 2.8 Ghz and above ,1 GB Ram ,80 Gb HDD,DVD combo drive 15/17" monitor Optical Scroll mouse Multimedia keyboard 32 bit LAN card with UPP port necessary Drivers etc.	ISI/SQ
243	Wi-Fi Router /	24 Port Switch With Wireless Connectivity option	Dilink/Netgar
244	Optical Scanner	(Flatbed A4)	HP/Canon
245	Digital Web Cam	(High Resolution)	Iball
246	DVD or Blu-Ray Writer		LG
247	Standalone Hard Disks	500 GB or Higher	WD
248	Network Rack	4 U	ISO
249	Barcode Scanner		ISO
250	Digital Multimeters,	3.5 digit handheld type.	Mextech
251	Standard Screw Driver Set		Ambetec/Taparia
252	USB Mini Dongle for Bluetooth devices Connection		ISO
253	Bluetooth headphone &mic set		ISO
254	External Solid State Hard Disk	1 TB	Kingston
255	MS Office 2010	(professional) or the latest version available at the time of procurement	Microsoft
256	Antivirus for – clients / workstations in profile with validity of an year or more which should be renewed upon expiry		Quickheal

257	2 KVA ONLINE UPS		ISI /SQ
258	Tally ERP 9 or Latest		Tally
259	8 GB pen drives		sandisk
260	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.	(0.2,0.3,0.4 mm).	ISO
261	Protractor celluloid	15 cm semi- circular.	ISO
262	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	ISO
263	Scales plotting box wood	6 metric scales 30 cms long with offset scales.	ISO
264	Set square transparent	20 cm, 2 mm thick with bevelled edges 45 degree .	ISO
265	Set square celluloid	25 cm,2mm thick with bevelled edges 60 degrees.	ISO
266	Board drawing	1250mm X 900mm with stand tool	ISO
267	T-Square	1250mm/Mini drafter/ Parallel Bar	ISO
268	Template –Architects and builders		ISO
269	Geometrical models	(wooden/plastic) as per given below: 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	ISO

270	Digital Planimeter.		ISO
271	Proportional dividers	15 cm	ISO
272	Digital Theodolite	with latest model	ISO
273	Instrument for Total Station	with latest model	South
274	GPS	(latest model)	ISO
275	Auto level		ISO
276	Plotter	A1 size	HP/Canon
277	Server work station with latest configuration		Acer/HP
278	Broad Band connection		ISO
279	UPS	5 KV	Luminious/Microteck
280	Furniture for server, printer, plotter		
281	First Aid Box		
282	Screen for Projector	(motorized)	
283	Air Conditioner	2.0 Ton	
284	Document Camera / Visualiser		
285	Smart Board / Inter Active Board		
286	Steel Cupboard	180 x 90 x 45 cm	
287	Steel Cupboard	120 x 60 x 45 cm	
288	Chair for Trainer / Instructor		
289	Class room chairs (armless) / Dual desk		
290	Resistivity meter		SQ
291	Hegmann guage		SQ
292	Dry wash spray booth		SQ
293	Class room tables (armless) / Dual desk		SQ
	Grand Total		

Certified that the above items from serial no.1 to serial no. 303 are short in various trades as per latest trade syllabus .