

PSDF PROGRAMME EXAMINATIONS (3 MONTH)
INDUSTRIAL TRAINING PROGRAMME 2019-20 (ROUNT-2)
INDUSTRIAL TRAINING PROGRAMME 2019-20
PUNJAB SKILLS DEVELOPMENT PROGRAMME 2019
SKILLS FOR JOB-2018
SKILLS FOR JOB-2019
SKILLS FOR PERSONS WITH SPECIAL NEEDS
TRAINING FOR PLACEMENT 2019-2020
TRAINING FOR PLACEMENT 2019-2020

Held on 02-01-2020

Duration: (1ST OCTOBER TO 31 DECEMBER (2019))

<u>Sr.#</u>	<u>Code</u>	<u>Subject</u>	<u>MATERIAL LIST</u>
1	1	2D, 3D Drafting using Auto Cad	<p><u>Material for each trainee / Class</u></p> <p>Computer lab with Autocad software having capacity of separate P.C work station for each student. Printers Power Supply Backup.</p>
2	2	3D Designing / Modeling using CATIA	<p><u>Material for each trainee / Class</u></p> <p>Main Server adequately configured to support 25 work station recommended latest software, 1 No. Desktop Computer (Minimum Core i3 (3rd Generation), 4GB RAM, Windows 7, Mouse, Keyboard) 25 Nos, 1 for each. (Computer Operating Table). Revolving Chairs 25 Nos. Printer 1 No. Plotter 1 No. UPS 10KVA 1 No. Air Conditioner 1.5 Ton 2 No. Application Software CATIA V5 R21 or latest, installed one each system. Printing Paper (A4), as per requirement.</p>
3	A-1	Adda Work	<p><u>Material for each trainee</u></p> <p>Fabric cotton 2 yard. Tracing sheet 1. Tracing wheel 1. Simple paper 1. Ada Frame 1. Embroidery Needle. Embroidery Thread. (Red Role 1. Pink Role 1. Green Role. Blue Role 1). Led Pencil 1. Tracing Table 1. Thread Cutter. Motti. Sitara. Silver and Golden Dabka, Mirror, Moqish Beats. Dori for cloth firming. Different colors cloth for patches.</p>
4	A-4	Auto CAD (Civil)	<p><u>Material for each trainee</u></p> <p>A complete setup of desktop with installed software of Auto CAD. Monitor. CPU. Mouse. Keyboard. Printer or plotter. Power Supply Backup.</p>
5	A-5	Auto Electrician	<p><u>Material for each trainee /Whole Class</u></p> <p>Tool Kit Complete. Kliring board. Scanner (G Scan II). Ignition Timing light. EFI Vehicle. Engine Petrol (Distributor) (Battery Ignition System), Genrator.</p>
6	A-7	Auto Mechanic (Petrol)	<p><u>List of Tools/Equipments</u></p> <p>Micrometer mm 1. Spanner set mm 1. Flat screw driver 1. Philips screw driver 1. Combination plier 1.</p> <p><u>List of Consumable Material for each Trainee</u></p> <p>Petrol 1/4 liter. Kerosence oil 1/4 liter. Emery paper 4. Cotton waste 2kg.</p> <p><u>List of Machinery/Equipment</u></p> <p>Engine in (working condition) 2. Gear Box 2. Brake System working model 2.</p>
7	A-9	Art & Craft	<p><u>Material for each trainee /Whole Class</u></p> <p>Scale / Ruler. Pencil & Eraser. Drawing sheets. Black pointer. Primary Colours (Water colours). News papers. Wires. Polythin sheet. terracotta clay. Cutter. Wire tools. Nail pins. Drawing Board. White Poster Colours. Jute Rope.</p>

8	B-1	Building Painter	<p>Material for each trainee / Whole Class</p> <p>4'x3' سائز کی کوری دیوار۔ ایمری پیپر۔ ریڈی میڈ پوٹین۔ نہلا سیٹ۔ پینٹ برش 3"۔ ویدر شیلڈ پینٹ۔ کاٹن ویسٹ 2x2ft۔ کی شیشم کی کٹڑی کی سادہ پلیٹ۔ سپرٹ پالش میٹر مل۔</p> <p>نوٹ: ایسے تمام اوزار مثلاً میسرنگ ٹولز وغیرہ جو کہ کورس کی تمام جابوں کو بنانے کے لئے ضروری ہوتی ہیں۔ ٹرینیوں کی تعداد کے مطابق صحیح اور کام کے لئے بالکل درست ہونے چاہیے۔</p>
9	B-2	Beautician	<p>Material for each trainee / Whole Class</p> <p>Whitening Cleanser. Whitening Face Wash. Whitening Scrub. Whitening Massage Cream. Whitening Mask. Tonner. Vitamin Cream. (1 Kit for 5 candidates made by Blesso OR Golden Girl OR Holly Wood)</p> <p>Tools for Labs</p> <p>Steamer (1 for all candidates). Needle for Black Head Removal (1 for each candidate). Sponge (2 for each candidate). Bowl & Bleaching Brush (1 for each candidate) Face Towel (2 for each candidate). Tissue paper Box (2 Box for all candidates) Hair Band (1 for each candidate).</p> <p>Material for each trainee / Whole Class</p> <p>Shampoo 1 Sache. Hair Gel 50GM. Hair Spray 50GM.</p> <p>Tools for Labs</p> <p>Hair Pins 1 Set. Hair Dryer 2. Streighting Iron 2. Hair Brush different sizes 2 Set. Rolling Brush 1 Set. Combing Set 2 Set.</p>
10	B-3	Body Repair and Paint	<p>Material for each trainee / Whole Class</p> <p>Emery paper 8 Nos. Kerosene Oil 5 Liter. Paints remover 3 Tin. Paint 5 liter. Thineer 4 Tin. Body worker tool complet kit. Spray paint guns 2 Nos. Vehicle 3 Nos. Ventilator fan 2 Nos. Sander / Polisher 2 Nos.</p>
11	B-4	Braille Learning	<p>Material for each trainee / Whole Class</p> <p>Braille machine. Braille Frame. White Paper. Braille books.</p>
12	B-5	Buttoning and Packing Machine	<p>Material for each trainee / Whole Class</p> <p>Packing Machine. Wooden Pallet of Size (47.24" x 31.5" x 5.90")</p> <p>Quantity = 1 Trainee. Plastic Packing Film Roll. 7 Ply Cartons of Size</p> <p>(L x W x H) Inch</p> <p>(9.50 x 6.25 x 12.75) Quantity = 40 / trainee.</p> <p>Snap button machine. 1/2 mtr denim fabric of 10 OZ GSM/Trainee.</p> <p>15mm size silver snap buttons 15/trainee. 9mm size silver Rivet Buttons 15/Trainee. Scale (measuring tape).</p>
13	C-1	Chef	<p>Material for each trainee / Whole Class</p> <p>Material for each trainee.</p> <p>Chicken boneless. carrots. Capsicum. Cheese. Pasta. Butter. Oil. Origano. Flour (Maida). Chicken Cube. Milk. Salt. Black pepper.</p> <p>Milk. Coffee. Sugar. Cream.</p> <p>Utencils for each trainee</p> <p>Knife. Chopping Board. Sauce Pan. Cooking Spoons. Frying Pan Serving Plate & Spoon. Mixing Bowl. Coffee Cup. Serving Plate</p> <p>General Equipment Required in Cooking Lab</p> <p>Cooking Range. Food Factory. Blender.</p>
14	C-2	Close Circuit TV (CCTV) Technician	<p>Material for each trainee / Whole Class</p> <p>Wireless CCTV Camera 1. A Computer system (windows based) 1. A recording device 1. Wireless Network 1. Smart Phone 1. Tool Kit 1. Camera view software (smart phone) 1.</p>

15	C-4	CNC Machine Operator	<p>Material for each trainee MS Round Dia 2" 50mm x 95mm</p> <p>Machinery and Equipment CNC Lathe machine with required accessories, Facing and turning tool, External Threading Tool "V" shape 60°, Parting off tool 4mm and 5mm, Center drill and drill \varnothing 10mm, Number punch set.</p> <p>Hand Tools for each Trainee Micro Meter 25 to 50mm, Vernier Caliper 150mm, Depth gauge 150mm, Radius gauge R5, External, Internal, Thread ring gauge M20, Flat File 200x3.</p>
16	C-6	CNC Turning Centre Operator	<p>Material for each trainee Mild Steel Dia=46mm. Length= 80 mm. Vernier Caliper. Thread Gauge. Drill dia = 8mm. Single point turning and facing tool. Grooving tool 3mm. Threading tool. Radius Gauge. Tools related to Setting of point.</p>
17	C-7	Computer Applications	<p>Material for each trainee A complete setup of computer with required software for each student. Detail is given below. Monitor. CPU. Mouse. Keyboard. Printer or Plotter. Power Supply Backup.</p>
18	C-8	Computerized Accounting	<p>Material for each trainee Computer Lab loaded with Software (One station for each candidate), Printer, Printing Paper (to be signed by examiner), Power Backup.</p>
19	C-10	Crane Operator	<p>Material for each trainee / Class Crane 2. Measuring Tap 4. Pegs 20. Site for operation of crane 100'x50'. Weight 6T. Crane Tool Kit.</p>
20	C-12	Circular Knitting Machine Operator	<p>Material for Each trainee / Whole Class Circular knitting machine. Yarn bags of count 24/1 for creeling. GSM cutter. Weighing Scale.</p>
21	C-13	Carpenter	<p>Material for Each trainee / Whole Class Shisham wood for base 1 $5/8$" x 4 $5/8$" x 12" (2 piece). Shisham wood for toping $7/8$" x 2 $1/8$" x 18" (5 piece). Nail 2" long. Glue 50 gram. Lubricating oil 50 ml.</p> <p>Equipment and Machinery Rip saw 16". Circular saw. jack plane. smoothing plane. Try square. Screw driver. Claw hammer. Pincer. Nail Punch. Firmer Chisel. Divider 8". Sliding T-bewel. Miter Square. mallet. Rasp cut file. Mortise guage. Tirangular file. Steel tape. Bar clamp. Universal plane with blade set. Auger Bit. Hand Drill. Wood working bench. Vice.</p>
22	C-15	Civil Surveyor	<p>Material for Each trainee / Whole Class Auto level / tilting level. L. Staff. Wooden pegs. Level Book. Plane Table sets.</p>
23	C-16	Cooking and Baking	<p>Material for each trainee / Class چاول ایک کپ۔ انڈے 3 عدد۔ مکس سبزیاں ایک کپ۔ کوکنگ آئل۔ ایک ٹیبل سپون۔ لہسن ایک ٹی سپون۔ سرکہ ایک ٹی سپون۔ سویا سوس ایک ٹیبل سپون۔ چلی سوس ایک ٹی سپون۔ نمک ایک ٹی سپون۔ کالی مرچ پاؤڈر ایک ٹی سپون۔ زردہ رنگ۔ چینی بھر۔ چکن 250 گرام۔ ادرک لہسن کا پیسٹ ایک ٹیبل سپون۔ کوکنگ آئل۔ 2 ٹیبل سپون۔ چوپڑ لہسن 1 ٹیبل سپون۔ سبز مرچیں ایک ٹی سپون۔ نمک ایک ٹی سپون۔ کشمیری سرخ مرچیں ایک ٹی سپون۔ کالی مرچ پاؤڈر 1/2 ٹی سپون۔ چلی گارلک سوس ایک ٹی سپون۔ سرکہ ایک ٹی سپون۔ پیاز، شملہ مرچ، ہری پیاز 1+1+1، کارن فلوئور ایک ٹیبل سپون۔ میدہ ایک کپ۔ انڈے 4 عدد۔ کوکنگ آئل 1/2 کپ۔ چینی ایک کپ۔ وینا ایسین ایک ٹی سپون۔ بیکنگ پاؤڈر ایک ٹی سپون۔ مکھن 25 گرام۔ براؤن شوگر 1/2 کپ۔ پائن اپل سلاؤس 4-5 عدد۔ گلنرڈ چیری 5-6 عدد۔</p>

24	C-17	Computer Application with Jaws	Material for each trainee A complete setup of desktop with Required software. Monitor. CPU. Mouse. Keyboard. Printer or plotter. Power Supply Backup.
25	D-1	Domestic Tailoring	Material for each trainee / Class کاٹن فیبرک 1 ¹ / ₂ گز۔ پاپنگ کے لئے کپڑا مختلف رنگوں میں 1/4 گز۔ پٹن 6 عدد۔ دھاگہ 1 عدد۔ کاغذ، ڈرافٹنگ کٹ۔ سوئیگ کٹ، سلائی مشین۔
26	D-2	Dozer and Road Roller Operator	Material for each trainee / Class ڈوزر D-85، 3 عدد۔ میسرنگ ٹیپ 1 عدد۔ کھونیاں 14 عدد۔ جھنڈیاں 14 عدد۔ لائن ڈوری 1 عدد۔ چونا 2 کلو۔ ٹول کٹ۔
27	D-3	Dozer Operator	Material for Each trainee / Whole Class Track Dozer Size II/IV 2 No. Measuring Tape 4 No. Flags with Poles 10 Nos. Work Site 100'x50'. Dozer Tool Kit 1 No.
28	D-4	Dress Design and Tailoring	Material for Each Trainee / Whole Class Jean cloth / Denim (1 1/2 meter). Sewing machine. Brown paper. Bakram. Hook. Zip. Scissor. Tailor Chalk. Inches Tape. Pencil. Rular. Iron. Iron Stand. Sew Box.
29	E-1	Electrical Technician	Material for Each Trainee Cable tray with fixing/installing accessories 2 meter. 4 Core cable 6 meter. Magnetic switch (GMW-12MB or similar) 1 No. Thimbles 18 Nos. PVC Shrouds / Vinyl Wire Cable End Cap (Colour Coding) 18 No. Three Phase Motor 1 No. 4 Pole Circuit Breaker or fuses (04) according to motor current 1 No. Thimble presser / puncher 1 No. Exercise Board 800mmx1200mm 1 No. Note: The general items, PPEs, tools, equipment's accessories, measuring instruments and consumables materials used in the training should also be kept in adequate quantity and working order to meet the practical test requirement.
30	E-4	Excavator Operator	Material for Whole Class Excavator 2, Flage poles with red flag 10, Measuring tape 2, Digging site (normal soil) 100' x 50', Excavator Tool Kit.
31	E-6	Electrical Wiring	Material for Each Trainee / Whole Class PVC Pipe. Wiring Cables. Lamps. Sockets. All other wiring related materials. Tool Kit.
32	F-1	Fabric Cutting Expert	Material for Each Trainee / Whole Class Fabric cutters 2 Nos. Scissors 10 Nos. Cutting tables 2 Nos. Fabric inspection table 2 Nos. Consumeable Material Measurement tapes 25 Nos. Tailoring Chalk 12 Nos. Custoemer Style sheets 25 Nos. Fabric Denim (.75Mtr x 25), 18.75 Mtrs. Fabric Knit (.60 Mtr x 25) 15 Mtrs. Transparent Tape 2 Nos. Poly Bags (1x25) 25 Nos.
33	F-3	Fabric Quality Inspector	Material for Each trainee / Whole Class Digital fabric inspection frame. Denim fabric rolls (2 for each trainee). Fabric Roll length = 150mtr/Roll. Fabric weight 12 OZ. Clipper. Calculator. Light box.
34	F-5	Fitter General	Material for Each Trainee / Whole Class Mild Steel Flat 48.5x48.5x5.5mm for each candiate. Drill Machine with Accessories. Tools & equipment Flat file 250x1. Flat file 200x3. Flat file 150x3. Vernier Height Gauge 250mm. Line Scriber. Center Punch. Hammer. Drill Chuck with Key. Center Drill 2.5mm. Drill dia 3mm. Drill dia 5mm. Flat Chisel 150mm. Tap set M 10 with Handle. Reamer 10 H7 with handle. Vernier Caliper 160mm. Try square 6inch. Plug Gauge 10H7. Thread Plug Gauge M10.

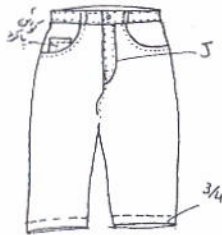
35	F-7	Fork Lifter Operator	<p>Material for each trainee / Whole Class</p> <p>Fork lifter machine 1. Measuring tape 3. Wooden pegs 10. Site for operation of fork lifter machine 300mx100m. Load 4 Ton.</p>
36	F-8	Fiber Optic Technician	<p>Material for each trainee / Whole Class</p> <p>Sleeve for insulation. 2-meter fiber cable with ST^(R) connectors on both ends. for each trainee. Unknown length of an optical fiber cable. Launch cable and receive cable for OTDR. Cleaning supplies. Unknown length of two different types of fibers connected together with two or three splices.</p> <p>Tools and Equipment Required</p> <p>Optical fiber preparation tool kit. Splicer. Optical Power Meter 3 for 25 trainees. OTDR for testing. Optical light source and receiver 2 for 25 trainees.</p>
37	G-1	GIS Surveyor	<p>Material for each trainee / Class</p> <p>Computer System. Availability of Google Earth Pro. Availability of Arc GIS installed in Computer System. Toposheet Scanned copy of Punjab Area of Pakistan.</p>
38	G-3	Grooming and Makeup Artist	<p>Material for each trainee / Class</p> <p>Apron. Gown. Towel. Spatula. Sponge. Massage Cream. Timer. Cotton Roll. Head Band. Complete Bases. Eye Shadows.</p>
39	G-4	Garment Washing Operator	<p>Material for each trainee / Class</p> <p>Garment Sampling Dyeing Machine 1. Pantone Book TCX 1. Colours & Chemicals (for 19-3937TCX) 1 Set. Basic 5 Pocket PFD Twill Pants 25. Shade Box. Stop Watch.</p>
40	H-1	Hand Embroidery	<p>Material for each trainee / Class</p> <p>Tracing sheet. 1 meter of KT cloth in white colors. Small pieces of cloth in different colors. Anker thread different colors. Code. Cutter. Moti. Common Pins.</p> <p>Tools & Equipment</p> <p>Hand needles of different size. Wooden frame medium size. Scissors / clipper. Measuring tape. Tracing table. Pencil, Eraser, Sharpener.</p>
41	H-3	House Carpenter	<p>Material for each trainee / Class</p> <p>Shisham or sumbol wood 8'-6"x1" - 1/8" x 7/8" (1 piece). Shisham or sumbol wood 3'-6"x1" - 1/8" x 7/8" (4 pieces). Shisham or sumbol wood 3 1/2' x 0' - 6" x 7/8" (1 piece). Hard Board 3'-6"x3'-6" & 1/8" (1 piece). Nail (for fram) 2" & 2 1/2" 24+24 = (48 Nos). Nail (for hard board) 3/4" & 1" 50+50 = (100 Nos.) Glue (200 gram). Lubricating oil (150ml).</p>
42	H-4	HVACR	<p>Material for each trainee / Class</p> <p>Referigerant R-22 1.5 Kg. Soft Copper Tube 5/16" Dia 10 Inches.</p> <p>Soap (Good Quality) 1 Cake. Silver Solder Rod 250 Grm. Brazing Rod 250gm. Marker (Uni Ball Eye) 2 Nos. Permanent Marker 1 No.</p>
43	H-5	Home Appliances Repair	<p>Material for each trainee / Class</p> <p>Fuse Complete Set 10 amp, 1 No. Wire 40/0.0076" Two Core Cotton Taped, 05 Meter. wire 23/0.0076" Two core 03 Meter. Bush for Juicer 2 Nos. Rubber for Juicer 1 No. Carbon Brushes 1 Pair. Thermostat for Iron 1 No. Lamp Indicator 1 No. Lamp 100 Watt 1 No. Insulation Tape 3/4 1 No. Copper Thimble (0.5mm 1mm, 2mm) 2 Each. Emery Paper No.1, 1 No. Emery Paper No 0, 1 No. Thinner 100ml.</p>
44	H-6	Handi Craft	<p>Material for each trainee / Class</p> <p>Craft Sticks 7 No. Card Board 1 No. Glue Stick 1 No. Poster Paints. Brushes. Scissor. Scale. Pencil. Photograph. Buttons. Glaze Papers. String for frame.</p>

45 I-1 Industrial Electrician Material for each trainee / Class

Motor 3~380V 1, Fuses fixed on board 4, Magnetic Contactor 3, Appliance Connection Box 1, PVC Cable 4 core 2m, PVC Pipe 1 length, PVC Bend 2, PVC Junction Box 2, PVC Wire 20m, Therm. Motor Protection Switch 1, Triple Push Switch 1, Board Size 800mmx1200mm, Clamps, Screws & Connectors (as per requirement). Therm. Motor Protection Switch 1. Triple Push Switch 1. Board Size 80mmx1200mm 1 No.

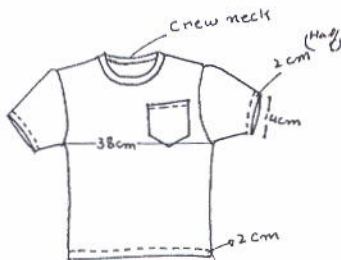
46 I-2 Industrial Stitching Machine Operator**Material for each trainee Practial # 1**

15 cm زپ، دھاگہ بٹن برطابق کپڑا، گز، پکٹ لائننگ 1/4 گز، 1 1/2 ڈنیم فیرک 61cm لمبائی: 21cm فوک کا سائز: 9cm فرنٹ پکٹ: 15cm جے: 14cmx15cm پکٹ: 23cm بوٹم ہیٹ: 2cm سائز: 77cm ویسٹ

**Material for each trainee Practial # 2**

Knitted فیرک 1 1/2 گز، دھاگہ بٹن فیوزنگ۔

- | | | |
|-----------|----------------|----|
| 30cm | کراس بیک | -1 |
| 38cm | چسٹ | -2 |
| 55cm | لمبائی | -3 |
| 18cm | آرم ہول | -4 |
| 16cm | بازو کی لمبائی | -5 |
| 10cmx10cm | پکٹ | -6 |
| 40cm | مچلے کا راونڈ | -7 |

**47 I-3 Instrument Technician****Material for each trainee / Class**

Copper Tube 6x1mm 6'. Coupling 1. Line Pipe 6'. Elbow 1/2" 1. Pressure gauge 1.

Tools

Standard Tool kit. Tube cutter. Tube bender. Flaring Tool set. Open ended spanner set.

48 K-2 Knitting Machine Operator**List of Tools/Equipment**

Tool Kit 1. Mask & Goggles 1. Air Plug (Pair) 1. Fire extinguisher 1. Interlock Circular Knitting Machine 1. Needles 100. Cams 30.

Machinery & Equipments for complete course

Single Knit Machine 2. Double Knit Machine 3. Fabric Inspection Table 1. Fabric Cutter for GSM 1. Weighing Scale 1. Yarn Rate Testing Meter 1. Dial indicator meter Yarn Tension Meter 1. Magnifying Glass 30. Fire Extinguisher 2. Complete tool kit 30

49 L-1 Laser Marking Machine Operator**Material for each trainee /Whole Class**

Material (10"x10") Plate Stainless Steel Thickness 1.5mm.

Equipment and Tools

Cad lab Auto Cad installed in whole lab with proper way 1. Laser Marking Machine 1. Tool Kit Vernier Calipers, Inch Tape, Dial Indicator etc. 1. Printers Power Supply Backup.

50 M-1 Machine Embroidery**Material for each trainee /Whole Class**

ایک گز کے ٹی۔ مختلف رنگوں میں کڑھائی والے دھاگوں کی نلکیاں۔ مشین کی سوئیاں۔ ٹریسنگ پیپر۔ پینچی۔ پتسل۔ ربڑ۔ شارپنر۔ لکڑی کا فریم۔ سفید کپا دھاگہ۔

51	M-2	Machinist	<p><u>Material for each trainee /Whole Class</u></p> <p>M.S Square 3/4" x 3/4" x 4" length.</p> <p><u>Machinery / Equipment</u></p> <p>Shaper machine with required accessories. Milling machine with required accessories. Right hand side cutting tool for shaper machine. Modul 2 cutter number 8. Dial indicator with magnat stand. Vernier height gauge 300mm.</p> <p><u>Hand tools for one trainee</u></p> <p>Vernier caliper 150mm. Try square. Teeth depth gauge. Flat File 200x3.</p>
52	M-3	Mason	<p><u>Material for each trainee /Whole Class</u></p> <p>Bricks (9" x 4 ³/₈" x2 ¹¹/₁₆") 182 No. Sand 4 cft. Cement 0.5 Bags.</p> <p><u>Tool List</u></p> <p>Trowel 1 No. Brick Hammer 1 No. Plumb bob 1 No. Line & Pins 1 No. Shovel with handle 1 No. Spirit level 1 No. Straight edge 1 No. measuring tape 1 No. Mortar pan 2 Nos. Mason's Square 1 No. Safety Helmet 1 No. Mason's gloves 1 No. Dangri 1 No. Safety Shoes 1 No.</p>
53	M-5	Material Technician	<p><u>Material for each trainee /Whole Class</u></p> <p>Test specimen: concrete (1:2:4) beam (15x15x70cm) casted and cured for 7 days as per standard.</p> <p>Ordinary Portland cement.</p> <p><u>Tools & Equipment each candidate</u></p> <p>Compression testing machine as per number of candidates. Balance 1 each student. Steel Rule 1.</p> <p>Vicat Appretus with plunger (10mm) and needles (1mm, 5mm) one set per student. Glass plate 1. Spatula 1. Conical Mould 1. Balance 1. Graduated Cylinder / Beaker 1. Stop watch.</p>
54	M-6	Microwave Technician	<p><u>Material for each trainee /Whole Class</u></p> <p>Microwave source Klystron tube (2k25). Isolater (xl-621). Frequency meter (xF-710). Variable attenuator (XA-520). Slotted line (XS-651). Tunable probe (XP-655). Detector mounts (XD-451). Matched termination (XL-400). Test attenuator. Fixed Variable. Klystron power supply & Klystron mount. Cooling fan. BNC-BNC cable. VSWR or CRO.</p>
55	M-7	Milling Machine Operator	<p><u>Material for each trainee /Whole Class</u></p> <p>Mild Steel Flat dia 1 ¹/₂ x 3/4 inch for each.</p> <p><u>Machinery</u></p> <p>Lathe Machine with accessories.</p> <p>Milling Machine with accessories.</p> <p>Indexing Head with accessories.</p> <p><u>Machinery</u></p> <p>Facing Tool. Right hand side turning tool. Drill Chuck with Key. Center Drill 2.5mm. Drill 6,12mm. Boring Tool. Plug Gauge 16^{H7}. Mandrel 16mm. Involute Module Cutter (1.5,2mm No.4. Flat File 250x3. Vernier Caliper 160mm.</p>
56	M-8	Millwright	<p><u>Material for each trainee / Class</u></p> <p>Reciprocating Pump 1hp or 2hp 4, Reciprocating Compresor 2. Tool Kit & Tool Box 1, Measuring instruments & tools 1, Rust Cleaner (WD40) 1, Oil Gun 1, Grease Gun 1, Cotton Waste (Fresh) & Grease .Compresor Oil (as required).</p>

57	M-12	Motor Grader Operator	<p>Material for each trainee / Whole Class</p> <p>Motor Grader 2. Measuring Tape 4. Pegs 20. Site 100x50ft. Tool Kit 1.</p>
58	M-13	Motor Winder	<p>Material for each trainee / Class</p> <p>Combination Plier 1 each. Cutter Plier 1 each. Nose Plier 1 each. Coil Winding Machine 2 Nos. Coil Pulling machine 2 Nos. Screw driver 1 each. Start Kit set 2 Nos. Paper cutter 2 Nos. Hammer 4 Nos. Megger 2 Nos. Motor 1 each.</p>
59	P-1	Pattern Making & Cutting	<p>Material for each trainee/ whole Class</p> <p>Cutting Tables 10 feet x 4 feet, 4. Pattern making tables (10x3), 12. Hand cutter 2. Scissors (10") 12. Stapler 5. Scales 25. Inchi Tapes 25. Set squares 25. French curves 25. Pent curves 25.</p> <p>Consumeable materials</p> <p>Pattern Sheets 25. Lead pencils 25. Erasers 25. Shorpnerns 25. Staple Pins (Box) 2. Ebro Tape 5.</p>
60	P-2	Photography	<p>Material for each trainee</p> <p>DSLR Camera. Computer with software Adobe Photoshop. Studio Lights, Reflectors and Flash Lights. Tripod. Makeup. A4 Photo Paper. Color Printer. Poster colors / Face Paints.</p>
61	P-3	Pipe and General Fitter	<p>Material for each trainee</p> <p>M.S Pipe 2", 650mm. M.S Long Bend 1. M.S Reducers 2"x1". M.S Flanges 2" (WN RF SCH-40 CL # 150) 4. Gasket 2" (spiral-Wound Thick 4mm CL # 150 RF), 2.</p>
62	P-4	Pipe and Plate Fabricator	<p>Material for each trainee</p> <p>CS Pipe, ASTM A106 GR b Sch 40 NPS 4", 400mm. CS Pipe, ASTM A106 GR b Sch 40 NPS 2", 650mm. Reducer, ASTM A 235 4" x 2" Sch40, 1. Elbow 90° Long Radius ASTM A234 2" SCH 41, 1.</p> <p>Filler Metal</p> <p>Wedling Electrodes SWG 10,12.</p>
63	P-5	Pipe Welder X-Ray	<p>Material for each trainee / Class</p> <p>M.S Pipe dia 3 inch wall thickness 1/8" = 400mm, 1 piece. M.S Plate 150x150x6, 1 piece. Electrode 7018 dia 3.2mm. Electrode 7018 dia 2.5mm. Filler rod dia 2mm fortig weld. Tungstun Electrode dia 1.6 dia 2.4 (Thoriated) as per requirement. Cutting / grinding disc.</p> <p>Note: All machinery tools equipment for SMAW/GTAW, X-Ray Test oxy acetylene set are in working condition.</p>
64	P-9	Plumber / Sanitary Installer	<p>Material for each trainee / Class</p> <p>جی آئی پائپ 1/2" (1800 ملی میٹر)۔ جی آئی الیو 1/2" (3 عدد)۔ جی آئی الیو 1/2" x 1/2" (2 عدد)۔ جی آئی ٹی 1/2" (2 عدد)۔ یوٹین 1/2" (1 عدد)۔ شاپ کاک 1/2" (1 عدد)۔ دھاگہ (4 عدد)۔ ٹونٹی (TAP) 1/2" (2 عدد)۔ کلمپ 1/2" (7 عدد)۔ PPRC PIPE (50mm) الیو (2 عدد) 25mm</p>
65	Q-1	Quantity Surveyor	<p>Material for each trainee</p> <p>A complete setup of computer with required software for each student. Detail is given below. Monitor. CPU. Mouse. Keyboard. Printer or Plotter. Power Supply Backup.</p>
66	S-1	Safety Inspector	<p>Material for each trainee / Class</p> <p>Fire Extinguisher CO₂. Scaffolding. Full body harness. Site for conducting practical. (Diesel / Mobil Oil).</p>
67	S-3	Salesmanship	<p>Material for each trainee</p> <p>A complete setup of computer with required software for each student. Detail is given below. Monitor. CPU. Mouse. Keyboard. Printer or Plotter. Power Supply Backup.</p>

68	S-4	Scaffolding	<p><u>Material for group of 3 trainees.</u></p> <p>Sole plate 2, Base plate 4, Toe board 2.5mm 2, 1mm 2, Couplers 50, Scaffolding pipe O 1^{1/4}" 90 meter, Scaffolding stair case ladder 3m 2, Wooden planks 3m (Section 200 x 50mm) 3.</p>
69	S-5	Screen Printing	<p><u>Equipment & Tools for ech trainee</u></p> <p>Frames 12"x16" 1, Mesh 120T/300 No. ,Hand stretcher, Exposing frame, Cord, nail, hammer, Washing Brush 1, Screen driven 1, Printing bed, Hingers clamp, Squeegee with handle, Tea spoon, Mixing pot , Scoop coater, Daying cabinet & washing nozzel (All items as per required).</p> <p><u>Material for each trainee/class</u></p> <p>Surf Powder,Vim , Cotton, Coating set, Bulyle, Retardex, PVCtape 2", inks (4 colour set), Card 260 gm, sticken, Bleaching powder, Cotton (all items as required)</p>
70	S-10	Shovel Operator	<p><u>Material for each trainee / Class</u></p> <p>Excavator 2. Measuring Tape 4. Pegs 20. Digging Site 100'x50'. Excavator Tool Kit.</p>
71	S-11	Shuttering Carpenter	<p><u>Material for Two trainee</u></p> <p>Posts 8' long 4 Nos. Soft wood batten (2 1^{1/2}" x 1 1^{1/2}") 3' long 4 Nos. Soft wood (batten ((1" x 1 1^{1/2}") 3' long 14 Nos. Base Plates / Mud sills (6" x 1 1^{1/2}") 6' long 2 Nos. Wedges (Wooden) 6 Nos. Planks / Boards (soft wood) (9"x1") 6' long 10 Nos. Batten hard wood (3"x 1 1^{1/2}") 6' long 12 Nos. Nails (1 1^{1/2}" x 2") 1/4 Kg.</p> <p><u>List of Tools & Equipment (for Two candidates)</u></p> <p>Spirit level 1 No. Claw Hammer 2 Nos. Plumb Bob 1 No. Measuring Tape 2 Nos. Hand Saw (24") 2 Nos. Tri square 2 Nos. Jack Plane 1 No. Safety Helmet 2 Nos. Working gloves 2 Pairs. Safety shoes 2 Pairs. Wood working bench with vise 1 No.</p>
72	S-12	Site Accountant and Store Keeper	<p><u>Material for each trainee / Class</u></p> <p>Computers one for each. Printers & Printing Sheets. UPS. Power Supply Backup.</p>
73	S-14	Solar Photovoltaic Training	<p><u>Material for each trainee / Class</u></p> <p>Solar Panel 100 watt 2 No. Dry battery 12V, 100AH 1 No. PWM Charge controller (20A) 1 No. Inverter 12V. 500W 1 No. AC Fan (100W) 1 No. DC ampere meter (20A) 2 No. Tool Kit 1 No.</p>
74	S-15	Steel Fixer	<p><u>Material for each trainee</u></p> <p>Steel Bars # 2 (6mm) 1.25 Kg. Steel bars # 3 (10mm) 07 Kg. Steel bars # 4 (12mm) 5.25 Kg. Binding Wire 0.20 Kg.</p> <p><u>List of Tools & Equipment (for a group of 2 students)</u></p> <p>Cutting base with chool 1 No. Hammers 1 No. Cutting chisel set 1 Set. Tonge 1 Set. Plier 2 Nos. Bar bending rod 2 Nos. Bar bending bench 1 No. Measuring Tape (steel) 2 Nos. Ring base (Bar straighter) 1 No. Chalk 2 Nos.</p>
75	S-17	Sizer / Sizing Machine Operator	<p><u>Material for each trainee / Class</u></p> <p>Sizing Machine 1, Warper Beams 8, Beam Loader rail with crane 1, Oil Gun and Grease gun 5, Tool Kit 1.</p>
76	S-18	Solar Photovoltaic Installation and Pumping Training	<p><u>Material for each trainee.</u></p> <p>Solar Panels. Submersible Pump 24V with builtin MPPT controller. Tool Kit. Multimeter. Wires etc.</p>

77	T-1 Telecom Technician (Line & Mobile)	<p><u>Material for each trainee</u></p> <p>Microphone of mobile phone 1. Speaker of mobile phone 1. Vibrator of mobile phone 1.</p> <p><u>Tools and equipment required</u></p> <p>Tool kit for mobile repacking 1. Wire Cutter 1. Soldering iron 1. Soldering flux and soldering wire. Multimeter 10 for 25 students. Mobile Phone 1.</p> <p><u>Material for each trainee Whole Class</u></p> <p>Cable for connection of telephone set and PABX 4 meter for each trainee. Line Cords for telephone set 3 for each trainee.</p> <p><u>Tools and Equipment Required</u></p> <p>Wire Cutter 1 for each. Wire stripper 1 for each. Plier 1 for each. Multimeter 10 for 25 trainee. Telephone Set 12 for 25 students. PABX assorted. Electric blower 1 for servicing. Telephone line for testing. Star Kit 1 for each.</p>
78	T-3 Tile Fixing and Cutting	<p><u>Material for each trainee</u></p> <p>Ceramics Tiles Coloured 12 sft, White 21 sft. Tile Size: Any tile having area less than one sqft. Cement (Gray) 0.33 bag. Cement (White) 2 Kg. Pigment. Sand 3 Cft.</p> <p><u>Tool & Equipment for each trainee</u></p> <p>Trowel 1. Rubber Hammer 1. Tile Cutter 1. Spirit Level 1. Plum Bob 1. Straight edge 1. Mason's square 1. Mortar pan 1. Safety Helmet 1. Safety Goggles 1. Masons Gloves 1 Pair. Rubber Shoe 1 Pair. Spacers 1.</p>
79	T-4 Turner	<p><u>Material for each trainee / Class</u></p> <p>Mild Steel Rod, Diameter 32mm or 1 1/4", Length 65mm, 1.</p> <p><u>Machinery and Equipment</u></p> <p>Lathe Machine with all accessories & tools 1 for each. Drill Chuck 1 for each. Center Drill 2.5mm 1 for 2 trainees. Parting tool 2 mm (for groove) 1 for 2 trainee. Thread pitch gauge (Metric) 1 for 3 trainees. Standard Nut M12 (Prepared with standard M12 Tap) 1 for examiner.</p> <p><u>Measuring Instruments</u></p> <p>Vernier Calipers 150mm with 0.05 Accuracy 1 for each trainee. Outside micrometer 0-25mm with 0.01 Accuracy 1 for two trainees.</p> <p><u>Hand Tools</u></p> <p>Flat file smooth 10" 1 for each trainee.</p>
80	T-6 Textile Designing	<p><u>Material for each trainee</u></p> <p>Drawing boards 1. Drawing Tablets 1. Light tables 1. Paper Cutter 1. Fabric scissors 1. Sharpners 1. Paint Brushes 6. Color palettes 1. Scholar Sheets A3 4. Tracing sheets 1. Thumb pins 6 to 8. Butter Paper 1. Carbon paper 1. Poster Paints (5 basic colors) 1. Color Pencils 1 Pack. Water colors 1 set. Pencil 1. Eraser 1. Ruler 1. Computer System 1. Adobe photo shop software installed in computer. Internet connection for all students.</p>
81	W-1 Waiter	<p><u>Material for each trainee / Class</u></p> <p>Family table No of guests 12 Nos. Chairs. Plates. Spoons. Knives. Fork. B & B Plates. B & B Knives. Glasses. Buffet Food warmer. Buffet dishes & Platters. Display Tray. Cake Stands.</p>

82 W-3 Welder

Material for each Trainee

M.S Flat 201x25x09mm (1 piece). M.S Flat 204x32x06mm
(2 Pieces) M.S Pipe dia 50mm (200mm 1 piece)

Material for all trainee

M.S Electrode E6013 dia 3.2mm (as required). M.S Electrode
dia 2.5mm (as required). M.S Filler wire dia 1.5mm (as
required). All tools machinery equipments Arc/Gas welding.

83 W-4 Welder (Arc & Gas)

Material for each trainee/Whole Class

M.S Flat 201x100x06 one Piece. M.S Flat 402x25x06 One Piece
M.S Pipe Dia 50mmx2.3 = 105mm one piece.
Electrode 6013 dia 3.2mm (as required). Electrode 6013 dia
2.5mm (as required). Filler wire for gas welding dia 1.5mm.

Note: ARC and gas welding tools machinery equipment are in
working condition.

84 W-6 Wheel Loader
Operator**Material for each trainee / Class**

ویل لوڈر 1۔ ڈیمپ ٹرک 1۔ نرم مٹی کا ڈھیر

85 W-7 Weaver / Weaving
Machine Operator**Material for each trainee/Whole Class**

Air Jet loom. Warp yarn on warper beam 60/Ne plain 100%
cotton. Weft yarn for filling 60/Ne Plain 100% cotton. Ends /
inch required 176. Fabric inspection table.

86 W-8 Welder /
Construction
Fabricator**Material for each trainee/Whole Class**

M.S Pipe Dia meter 1-1/4" (4ft). M.S Square Bar 1/4" (28-7/8"
Length) 12 No. M.S Square Bar 1/4" (4" Length) 16 No. M.S
Stripe 1" x 1/8", 4 Ft.

Filler Metal

M.S Electrodes SWG 10,12

Result.pk

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