

Name of the Trade		Foundryman Technician		
S.No	Name of the Equipment	Std List No	Type of Equip. (Machinery / Tool)	Specifications
1	2	3	4	5
1	Tool tray steel 145 x 145 x 5 cm	1	T. Tool Kit	material stainless steel 145 x 145 x 5 cm
2	Taper trowel 18 cm round	2	T. Tool Kit	18 cm round steel with plastic handle
3	Heart and square trowels 3 x 1.2 x 1.2 cm	3	T. Tool Kit	3 x 1.2 x 1.2 cm steel with plastic handle
4	Trowel heart and scoop	4	T. Tool Kit	3 x 1.2 x 1.2 cm steel with plastic handle
5	Trowel square and scoop	5	T. Tool Kit	1.2 x 1.2 cm steel with plastic handle
6	Trowel double scoop	6	T. Tool Kit	3 x 3 cm steel with plastic handle
7	Trowel double square	7	T. Tool Kit	3 x 3 cm steel with plastic handle
8	Tools Spoon 32 x 16 mm - 25 x 6 m	8	T. Tool Kit	32 x 16 mm steel
9	Cleaner 6 x 300 m	9	T. Tool Kit	6 x 30 cm steel with plastic handle
10	Cleaner 9 x 300 m	10	T. Tool Kit	9 x 30 cm steel with plastic handle
11	Vent wire 3 mm	11	T. Tool Kit	3mm Steel
12	Peg rammer	12	T. Tool Kit	500 gms steel
13	Flat rammer 75mm x 25mm height	13	T. Tool Kit	75mm x 25mm height Cast Iron
14	Rapping spike forged and hardened	14	T. Tool Kit	forged and hardened
15	Hand bellows - 25 cm	15	T. Tool Kit	25 cm
16	Safety goggles (with clear glass)	16	T. Tool Kit	fibre plastic cup , safety glasses (interchangeable glasses)
17	Goggles (antiglau heat proof)	17	T. Tool Kit	(antiglau heat proof) clear vision ISI marked
18	Cleaner flange	18	T. Tool Kit	20 cm steel with plastic handle
19	Egg smoother	19	T. Tool Kit	15cm
20	Smoother round corner	20	T. Tool Kit	15 cm steel with plastic handle
21	Smoother square corner	21	T. Tool Kit	15 cm steel with plastic handle
22	Steel rule 300mm	22	T. Tool Kit	300mm with calibration certificate high grade steel
23	Apron leather or asbestos	23	T. Tool Kit	leather or asbestos ISI marked
24	Legging pad	24	T. Tool Kit	leather or asbestos ISI marked
25	Hand gloves (Leather or asbestos)	25	T. Tool Kit	Leather or asbestos
26	Hammers Ball Peen 0.45 kg	1	Instrument	0.45 kg carbon steel with tubular handle with double grip
27	Ball peen hammers 650 to 700 gms	2	Instrument	650 to 700 gms carbon steel with tubular handle with double grip
28	Sledge hammer 8 kg	3	Instrument	8KG carbon steel with wooden long handle double grip
29	Claw hammers 0.75 kg	4	Instrument	750 gms carbon steel with wooden tubular handle
30	Chisel cold flat 2x22 cm	5	Instrument	2x22 cm hardened chrome-vanadium steel
31	Chisel 200x15 mm	6	Instrument	200x15 mm hardened
32	File Flat 30 cm Bastard	7	Instrument	30 cm
33	File Flat 30 cm Second cut	8	Instrument	30 cm HCS ISI Marked
34	File half round 30 cm bastard	9	Instrument	30 cm HCS ISI Marked
35	File half round 30 cm second cut	10	Instrument	30 cm HCS ISI Marked
36	Folding rule 60 cm	11	Instrument	60 cm ISI marked
37	Steel rule 600 mm	12	Instrument	600 mm with calibration certificate ISI marked
38	Caliper odd leg	13	Instrument	15 inch high quality steel with hex joint
39	Caliper inside 15 cm	14	Instrument	15 inch high quality steel with hex joint
40	Scriber	15	Instrument	pointed hardened tip 6inch length ,Hardened and tempered steel

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41	Centre punch 15 cm	16	Instrument	15 cm length 5/64" diameter tapered point, Hardened and tempered steel, knurled Round shank
42	Hacksaw 30 cm adjustable	17	Instrument	30 cm aluminium alloy frame adjustable
43	C Clamps 20 cm	18	Instrument	20 cm aluminium alloy, Quick Release, Tempered Screw, Rubberised Handle,
44	C Clamps 30 cm light duty steel	19	Instrument	30 cm aluminium alloy, Quick Release, Tempered Screw, Rubberised Handle,
45	Screw drivers 25cm with 15mm blade	20	Instrument	25cm with 15mm blade with insulated body and plastic handle
46	Screw drivers 15 cm	21	Instrument	15 cm steel with insulated body plastic handle
47	Screw drivers 18 cm	22	Instrument	18 cm round steel with insulated body plastic handle
48	Pliers 20cm	23	Instrument	20 cm insulated handles approx. weight 250gms
49	Plane grooving 6mm cutter	24	Instrument	6 mm
50	Cutting Pliers	25	Instrument	Length 180mm, Stripping Capacity 1.5+2.5 mmsq, Weight 300 grams, Insulated handle,
51	Try Square (for wood work)	26	Instrument	12 inch stainless steel blade with alloy body metric marking
52	Brick layers hammer 20cm	27	Instrument	20 cm
53	Hand lamp wandering lead	28	Instrument	as per ISI
54	Degasing bale 10cm perforated hood	29	Instrument	10 cm
55	Bench vice 12cm jaw	30	Instrument	12cm jaw brass nut, cast iron alloy body, jaws fixed with hard ribbed strips tempered SS spindle
56	Work bench for bench vice (245x125x75cm)	31	Instrument	245x125x75cm with 3.5 to 5 cm wooden surface at the top, legs 6 (mild steel)
57	Blow lamp (Kerosene)	32	Instrument	flexible plastic tank with copper blower
58	Hand saw	33	Instrument	18 inch material Spring steel handle D Type, Teeth per inch 7 nos. Blade Length 18 inch, Approx weight 350 grams
59	Steel measuring tape - 3 meter	34	Instrument	3 meter ISI marked with calibration certificate
60	Trammel	35	Instrument	10 cm
61	Shovel hand	36	Instrument	hardened ms sheet wooden teakwood handle
62	Engineers try square 15 cm	37	Instrument	Base Cast Iron and blade Spring Steel 15 cm
63	Lockers steel with 8 drawers each	38	Instrument	Width-36 inch, Height- 72inch, Dept-21 inch (maximum), Steel thickness 1.2mm(ms sheet Gauge-18), each drawer 16x16x21 inch with locks to each DRAWER Width-36 inch, Height- 72inch, Dept-21 inch (maximum), Steel thickness 1.2mm(ms sheet Gauge-18), each drawer 16x16x21 inch with locks to each DRAWER
64	Black board with easel	39	Instrument	Size 5x3 feet soft wooden one side black paint complete with three legs stand made up of hollow pipe 1.5 inches, height of stand 6 feet
65	Fire buckets (2 for water and 3 for sand)	40	Instrument	Capacity 10 kg. sheet size 10 to 14 gauge riveted joint With Stand
66	Stand for fire buckets	41	Instrument	Made from mild steel minimum height 3 feet
67	Fire extinguisher foam chemical type	42	Instrument	Portable, Material of cap: Brass Forging, Material of nozzle and discharging fitting: Brass forging, Initial charges: Yes, Body construction : 9 Litre capacity, ISI Marked
68	Fire extinguisher soda ash, etc type CO ₂ gas type	43	Instrument	Portable, Capacity-4.5KGS Material- Aluminium, Type of Discharge Value- Squeeze Grip Type, ISI Marked

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69	Face shield clear	44	Instrument	plastic glass
70	Helmet (engineers)	45	Instrument	High Density Polyethylene Thermoplastic ISI marked Inside Cotton Fitting with chin strap
71	Guantlets leather fettling	46	Instrument	leather fettling
72	Guantlets leather fettling	47	Instrument	ISI marked
73	Footware asbestos over shoes	48	Instrument	asbestos
74	First Aid Box based on burn treatment	49	Instrument	bandages,tetanus injection,disposable syringes, betadine lotion, spray for instant pain relief,cotton, hydrogen 250 ml,
75	Lividers firm joint 20cm	50	Instrument	20cm
76	Moulding boxes 30 x 40 x 15 cm RSDL	51	Instrument	30 x 40 x 15 cm steel febricated
77	Moulding boxes 75 x 75 x 25 cm RSDL	52	Instrument	75 x 75 x 25 cm steel febricated
78	Snap flask 40 x 35 x 12 cm RSDL	53	Instrument	40 x 35 x 12 cm steel febricated
79	Snap flask 30 x 30 x 10 cm RSDL	54	Instrument	30 x 30 x 10 cm steel febricated
80	Spirit level	55	Instrument	aluminium casing with two bubble setting
81	Wheel Barrows	56	Instrument	50kg capacity with long handles (three wheel type) 22gauge ms sheet body
82	Weighing machine (cap: 0.001 to 150gm)	57	Instrument	Pan size: 400 x 400 mm ,In built battery with charger / cut off system ,Robust body , electronic reading panel with calibration report ISI marked
83	Air Compressor with maximum working pressure of 17.5 kg/cm ²	1	Equip	motor 10hp 3phase , no of cylinders 2 and size 5.5" & 3" X 4 ,RPM 725 and maximum working pressure of 17.5 kg/cm
84	Pneumatic Rammer with Rubber Rammer head	2	Equip	Blows per minute - 850 Over all Length (mm) - 530 mm Length of Stroke (mm) - 102 mm Type of butt - Rubber Approx Weight (kg) - 5.7 kg Butt Diameter (mm) - 63.5 (2½")
85	Pneumatic Chisel (with suitable chisel)	3	Equip	Piston stroke - 100 mm Length - 645 mm weight - 30 kg capacity - 35kg
86	Moulding Sand mixmuller 35 kg capacity with motor impeller 30 RPM	4	Equip	Motor impeller - 30 rpm
87	Mould Green Hardness Tester dial type Risdale diels st.	5	Equip	Spring Load - 1.030 N ~ 42.324 N Press Needle - 5.08mm (hemispheric)
88	Core hardness tester	6	Equip	Height - 3in. (76 mm) Maximum diameter - 2 1/8 in.(54 mm) Net weight - 5 oz. (425 g) Base diameter - 5/8 in. (41 mm)
89	CO ₂ cylinder with CO ₂ probe and Rubber Hoses with nozzle 12 mm wheel valve.	7	Equip	Standard CO2 cylinder with CO2 probe and Rubber Hoses with nozzle 12 mm wheel valve -
90	LPG Cylinder with heating torch	8	Equip	Capacity of cylinder is approximately 5 kg with 1.5 feet tource length
91	Cylinder trolly suitable to CO ₂ cylinder and Indane Gas Cylinder	9	Equip	Mild steel made trolly to carry suitable for commercial cylinder

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92	Heating and pumping unit to suit to oil fired tilting type crucible furnace with Heating pressure gauge etc. Wesman model SPM Simplex model motorized Rotary gear oil pump pre-heater.	10	Equip	heating and pumping unit Capacity - 2lit/min Heater - 1000 watt pressure gauge Size - 42mm Case & Bezel - Drawn steel moved enamelled black Sensing Element - Bourdon tube Element Material - Brass Socket – Brass Movement – Brass Dial - Tin / Aluminium with black marking on white background Pointer - Steel / Aluminium – balanced Window - Plain Glass Joint - Hard Soldered Temperature Rating - 85% C
93	Sand Testing Equipment- permeability meter, Universal Strength tester, Sieve shake, standard sand rammer, Shatter Index Tester, Clay content Tester, Speedy Moisture teller.	11	Equip	permeability meter-Width - 300 mm,Depth - 300 mm Height - 440 mm,Weight - 13 kg universal strength tester-Dimensions - 1067 x 305 x 508 mm. Weight - 73 kg,power - 115V, 50/60 Hz, 1-phase Test-Splitting Strength, Green Deformation, Green Shear, Dry Shear, Green Tensile Strength, Core Tensile Strength, Shell Tensile Strength, sieve shaker-sieve diameter - 3 to 5 inch no of sieves - 16 nos,time range - 30 min standard sand rammer-Height - 25 in. (635 mm) Base - 9x12 in. (229 x 305 mm) Net weight - 60 lbs. (27 kg) sand cylinders – 2 sand push rod – 1 shatter index tester -Width – 430,Depth – 400,Height – 2200 Weight – 80 clay content tester-Width - 300 mm,Depth - 300 mm Height - 500 mm,Weight - 26 mm utility: - to check total clay contents of sand sample speedy moisture teller-Capacity - :110g,Division: - 5mg Repeatability: - 0.20%,Readability: - 0.02% Temperature range - 200 degree Test - percentge of moisture and dry weight, percentage of moisture, humidity can be tested Power - AC 220V 50HZ
94	Moulding Machine hand squeeze with stripping device pin lift type.	12	Equip	jolting Load - 100kgs Pattern Draw - 250 mm Table Size - 1000 X 1000mm Table Height - 760mm Jolt capacity is calculated at 90 PSI air pressure - 70 PSI air pressure Weight - 400 kgs
95	Weighing machine 300 kg by 100 gms	13	Equip	capacity - 300kg by 100 gms, manual ISI marked ,heavyduty body ,portable

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96	Pedestal grinder DE 35 cm power operated	14	Equip	size - 35 cm electric supply - single phase
97	Core oven 180 x 90 x 90 cm electric hot air circulated with maximum temperature 350°C adjustable	15	Equip	size 180*90*90 - temperature 0 -350 degree adjustable
98	Cupola capacity 1.5 tons/hours. Motorised blower and pipe line volume gauge, pressure gauge, charging platform, blast control valve spark arrester.	16	Equip	Capacity- 1.5 tonnes , Blower- motorised - 10hp , volume gauge , pressure gauge , charging platform , blast control valve , spark arrester
99	Sand Sampler	17	Equip	Diameter: 68.3mm, Effective length 75cm Outer Tube Boring Rod Screw Dia.40.5mm Piston Rod Dia.16mm Extension screw M12 Materials All Stainless steel made
100	Auto Sand riddle with 3 tons/hors. ridding capacity	18	Equip	3 piles of sand with capacity - 3ton/hr
101	Sand Erator	19	Equip	Motor - 3 Hp / 1440 Rpm Overall Dimension - 800 X 450 X 560 Operating - 'V' Belt Pully, Roller With Blades.
102	Oil Fired tilting type crucible furnace furnace to fit no. 100 crucible	20	Equip	wesman model SPM simplex model
103	Induction furnace (Cap:50Kg) suitable for non-ferrous metals	21	Equip	Suitable for melting non ferrous metals of capacity 50 kg with complete accserories Selection of 1 phase or 3 phase input power supply. Refractory Lined Crucible for more economy.