

BHARAT PETROWORK

Fuel Station Maintenance Materials & Tools Master List

1. Materials Used During Maintenance Work

A. Fuel Dispenser Spare Parts

1. Fuel Nozzle (Petrol / Diesel)
2. Automatic Nozzle
3. Nozzle Spout
4. Nozzle Boot
5. Nozzle Holder
6. Nozzle Micro Switch
7. Swivel Joint
8. Breakaway Coupling
9. Fuel Hose Pipe (3/4", 1")
10. Whip Hose
11. Hose Clamp
12. Hose Coupling
13. Flow Meter
14. Pulser Unit
15. Solenoid Valve
16. Check Valve
17. Foot Valve
18. Ball Valve
19. Gate Valve
20. Butterfly Valve
21. Pressure Relief Valve
22. Air Eliminator
23. Fuel Filter Unit

24. Filter Cartridge
 25. Dispenser Motor
 26. Vane Pump
 27. Gear Pump
 28. Meter Seal Kit
 29. O-Ring Kit
 30. Gasket Kit
 31. Display PCB
 32. Main Control PCB
 33. SMPS Power Supply
 34. Keypad Assembly
 35. LCD/LED Display
 36. Printer Unit
 37. Cable Harness
 38. Junction Box
 39. Terminal Block
 40. Earthing Kit
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B. Piping & Fittings

1. GI Pipe (Galvanized Iron Pipe)
2. MS Pipe (Mild Steel Pipe)
3. FRP Pipe
4. HDPE Pipe
5. 45° Elbow
6. 90° Elbow
7. Tee
8. Reducer
9. Union
10. Socket
11. Coupling
12. Nipple
13. Barrel Nipple
14. Flange

15. Blind Flange
 16. Pipe Clamp
 17. U-Bolt
 18. Saddle Clamp
 19. Flexible Connector
 20. PTFE Thread Seal Tape (Teflon Tape)
 21. Thread Seal Compound
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C. Underground Tank & STP System Components

1. Red Jacket STP
 2. Franklin STP
 3. Submersible Turbine Pump (STP)
 4. Pump Motor
 5. STP Controller
 6. Leak Detector
 7. STP Check Valve
 8. STP Capacitor
 9. Pump Coupling
 10. Pump Shaft
 11. Float Switch
 12. Tank Level Sensor
 13. ATG Probe
 14. Monitoring Sensor
 15. Junction Box
 16. STP Seal Kit
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D. Safety Components

1. Emergency Shear Valve
2. Double Poppet Shear Valve
3. Single Poppet Shear Valve
4. Fusible Link

5. Breakaway Valve
 6. Emergency Shut-Off Valve
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2. Bharat Petrowork Service Tool Kit

A. General Mechanical Tools

1. Pipe Wrench – 8"
 2. Pipe Wrench – 10"
 3. Pipe Wrench – 12"
 4. Pipe Wrench – 14"
 5. Pipe Wrench – 18"
 6. Pipe Wrench – 24"
 7. Adjustable Wrench – 6"
 8. Adjustable Wrench – 8"
 9. Adjustable Wrench – 12"
 10. Combination Spanner Set (6 mm – 32 mm)
 11. Ring Spanner Set
 12. Open-End Spanner Set
 13. Box Spanner Set
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B. Spanner Set

1. 6 mm
2. 7 mm
3. 8 mm
4. 9 mm
5. 10 mm
6. 11 mm
7. 12 mm
8. 13 mm
9. 14 mm

10. 15 mm
 11. 16 mm
 12. 17 mm
 13. 18 mm
 14. 19 mm
 15. 20 mm
 16. 21 mm
 17. 22 mm
 18. 24 mm
 19. 27 mm
 20. 30 mm
 21. 32 mm
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C. Allen Key Set

1. 1.5 mm
 2. 2 mm
 3. 2.5 mm
 4. 3 mm
 5. 4 mm
 6. 5 mm
 7. 6 mm
 8. 8 mm
 9. 10 mm
 10. 12 mm
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D. Screwdriver Set

1. Flat Screwdriver – 4"
2. Flat Screwdriver – 6"
3. Flat Screwdriver – 8"
4. Phillips Screwdriver – 4"
5. Phillips Screwdriver – 6"

6. Phillips Screwdriver – 8"
 7. Precision Screwdriver Set
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E. Pliers & Cutting Tools

1. Combination Plier
 2. Long Nose Plier
 3. Side Cutter
 4. Wire Stripper
 5. Crimping Tool
 6. Locking Plier (Vice Grip)
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F. Electrical Testing Tools

1. Digital Multimeter
 2. Clamp Meter
 3. Insulation Resistance Tester (Megger)
 4. Test Lamp
 5. Phase Tester
 6. Insulation Tester
 7. Earth Resistance Tester
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G. Power Tools

1. Electric Drill Machine
2. Hammer Drill
3. Angle Grinder – 4"
4. Angle Grinder – 7"
5. Impact Wrench
6. Rotary Hammer
7. Heat Gun

H. Pipeline & FRP Work Tools

1. Pipe Threading Machine
2. Pipe Cutter
3. Chain Wrench
4. Tube Cutter
5. FRP Grinding Machine
6. FRP Roller Set
7. Resin Mixing Kit
8. Measuring Tape
9. Vernier Caliper
10. Spirit Level

I. Personal Protective Equipment (PPE)

1. Safety Helmet
 2. Safety Shoes
 3. Cotton Coverall
 4. Fire-Resistant (FR) Coverall
 5. Chemical Resistant Gloves
 6. Nitrile Gloves
 7. Safety Goggles
 8. Face Shield
 9. Ear Plugs
 10. Respirator Mask
 11. Portable Gas Detector
 12. Fire Extinguisher
 13. Barricading Tape
 14. Lockout Tagout (LOTO) Kit
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3. Minimum Inventory for Bharat Petrowork Mobile Service Van

Fuel Dispenser Components

- 10 Fuel Nozzles
- 10 Fuel Hose Pipes
- 5 Shear Valves
- 5 Breakaway Valves
- 10 Swivel Joints
- 10 Solenoid Valves

Pipeline Fittings

- 20 Ball Valves
- 20 Unions
- 20 Elbows
- 20 Tees
- 20 Sockets

Repair Kits

- O-Ring Kit (1000 Pieces)
- Gasket Kit (100 Pieces)
- STP Repair Kit
- Electrical Repair Kit
- Complete Tool Box Set

Bharat Petrowork Standard Service Capability

The above inventory enables Bharat Petrowork to perform:

- Fuel Dispenser Maintenance
- Emergency Breakdown Services
- Underground Pipeline Repairs

- FRP Coating & Lining Works
- STP Installation & Repairs
- Fuel Leak Rectification
- Electrical Troubleshooting
- Preventive Maintenance Services
- Annual Maintenance Contracts (AMC)
- Emergency Response Services for Fuel Stations