

# MASTER LIST – TOOLS, TACKLES, SAFETY ITEMS & COOKING VESSEL

Project: FGD Project, Mahan Energen Limited

Contractor: Deepak Infratech

Client: Tuna Envirotech Pvt. Ltd.

Work: Thermal Insulation & Cladding Works

| Sr. | Tools & Tackles Details                         |                                      | UOM | Required Qty | Remarks |
|-----|-------------------------------------------------|--------------------------------------|-----|--------------|---------|
| 1   | TOOLS & EQUIPMENTS (INSULATION + CLADDING WORK) |                                      |     |              |         |
| 1.1 | Insulation Application Tools                    |                                      |     |              |         |
|     | 1.1.1                                           | Hammer                               |     |              |         |
|     | 1.1.2                                           | Plier                                |     |              |         |
|     | 1.1.3                                           | Side Cutting Plier                   |     |              |         |
|     | 1.1.4                                           | Tie Wire Twister                     |     |              |         |
|     | 1.1.5                                           | Measuring Tape (3m / 5m /10m/15m)    |     |              |         |
|     | 1.1.6                                           | Steel Rule                           |     |              |         |
|     | 1.1.7                                           | Vernier Caliper (for sheet checking) |     |              |         |
|     | 1.1.8                                           | Wire Cutter                          |     |              |         |
|     | 1.1.9                                           | Insulation Knife                     |     |              |         |
|     | 1.1.10                                          | Insulation Wool Cutter (Saw Type)    |     |              |         |
|     | 1.1.11                                          | Scraper                              |     |              |         |
|     | 1.1.12                                          | Caulking Gun (for Silicone Sealant)  |     |              |         |
| 1.2 | Cladding Work Tools                             |                                      |     |              |         |
|     | 1.2.1                                           | Hand Seamer                          |     |              |         |
|     | 1.2.2                                           | Crimping Tool                        |     |              |         |
|     | 1.2.3                                           | Hand Notcher                         |     |              |         |
|     | 1.2.4                                           | Groove Machine                       |     |              |         |
|     | 1.2.5                                           | Tin Cutter (Right / Left / Straight) |     |              |         |
|     | 1.2.6                                           | Rolling Machine                      |     |              |         |
|     | 1.2.7                                           | Drill Machine (Electric / Battery)   |     |              |         |
|     | 1.2.8                                           | Drill Bits                           |     |              |         |
|     | 1.2.9                                           | Rivet Gun (Hand / Pneumatic)         |     |              |         |
|     | 1.2.10                                          | Rivets (Aluminium / SS)              |     |              |         |
|     | 1.2.11                                          | Sheet Cutter Blade                   |     |              |         |
|     | 1.2.12                                          | Steel Sheet Hammer (Rubber Head)     |     |              |         |
|     | 1.2.13                                          | Chalk Line Tool                      |     |              |         |
|     | 1.2.14                                          | Marker Pens                          |     |              |         |
|     | 1.2.15                                          | Sheet Lifter Clamp                   |     |              |         |
|     | 1.2.16                                          | Edge Roller Tool                     |     |              |         |
| 1.3 | Welding & Hot Work Tools                        |                                      |     |              |         |
|     | 1.3.1                                           | Welding Machine                      |     |              |         |
|     | 1.3.2                                           | Welding Holder                       |     |              |         |
|     | 1.3.3                                           | Earthing Clamp                       |     |              |         |
|     | 1.3.4                                           | Welding Cable                        |     |              |         |
|     | 1.3.5                                           | Cutting Nozzle                       |     |              |         |
|     | 1.3.6                                           | Fire Blanket                         |     |              |         |
| 1.4 | Mechanical / Power Tools                        |                                      |     |              |         |
|     | 1.4.1                                           | Angle Grinder                        |     |              |         |
|     | 1.4.2                                           | Grinding Disc                        |     |              |         |
|     | 1.4.3                                           | Cutter Wheel                         |     |              |         |
|     | 1.4.4                                           | Extension Boards                     |     |              |         |
|     | 1.4.5                                           | Portable Light Fittings              |     |              |         |

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|     | 1.4.6                         | Blower                                          |     |              |         |
|     | 1.4.7                         | Hand Lamp 24V                                   |     |              |         |
| 2   | TACKLES & LIFTING ACCESSORIES |                                                 |     |              |         |
|     | 2.1                           | Rope (Nylon / PP / Manila)                      |     |              |         |
|     | 2.2                           | Rope Ladder                                     |     |              |         |
|     | 2.3                           | Chain Pulley Block (1 Ton / 2 Ton)              |     |              |         |
|     | 2.4                           | D-Shackle (1T to 5T)                            |     |              |         |
|     | 2.5                           | Bow Shackle                                     |     |              |         |
|     | 2.6                           | Lifting Belt / Sling                            |     |              |         |
|     | 2.7                           | Wire Rope Sling                                 |     |              |         |
|     | 2.8                           | Scaffolding Tag                                 |     |              |         |
|     | 2.9                           | Measuring Wheel                                 |     |              |         |
|     | 2.10                          | Bucket / Container for Material Carrying        |     |              |         |
| 3   | SAFETY ITEMS                  |                                                 |     |              |         |
| 3.1 | PPE FOR WORKERS               |                                                 |     |              |         |
|     | 3.1.1                         | Safety Helmet (IS Rated)                        |     |              |         |
|     | 3.1.2                         | Safety Shoes (Steel Toe / Electrical Resistant) |     |              |         |
|     | 3.1.3                         | Safety Gloves:                                  |     |              |         |
|     | 3.1.4                         | Heat Resistant                                  |     |              |         |
|     | 3.1.5                         | Welding Gloves                                  |     |              |         |
|     | 3.1.6                         | Cut Resistant                                   |     |              |         |
|     | 3.1.7                         | Safety Goggles                                  |     |              |         |
|     | 3.1.8                         | Face Shield                                     |     |              |         |
|     | 3.1.9                         | Ear Plugs                                       |     |              |         |
|     | 3.1.10                        | Reflective Safety Jacket                        |     |              |         |
|     | 3.1.11                        | Cotton Boiler Suit                              |     |              |         |
|     | 3.1.12                        | Arm Sleeves                                     |     |              |         |
| 3.2 | HEIGHT WORK SAFETY            |                                                 |     |              |         |
|     | 3.2.1                         | Full Body Safety Harness (Double Lanyard)       |     |              |         |
|     | 3.2.2                         | Shock Absorber                                  |     |              |         |
|     | 3.2.3                         | Fall Arrestor                                   |     |              |         |
|     | 3.2.4                         | Lifeline Rope                                   |     |              |         |
|     | 3.2.5                         | Rope Grab                                       |     |              |         |
|     | 3.2.6                         | Safety Net                                      |     |              |         |
|     | 3.2.7                         | Scaffold Tags                                   |     |              |         |
|     | 3.2.8                         | Handrail Rope                                   |     |              |         |
| 3.3 | HOT WORK SAFETY               |                                                 |     |              |         |
|     | 3.3.1                         | Fire Extinguisher (ABC / CO <sub>2</sub> )      |     |              |         |
|     | 3.3.2                         | Fire Blanket                                    |     |              |         |
|     | 3.3.3                         | Welding Screen                                  |     |              |         |
|     | 3.3.4                         | Gas Leak Detector                               |     |              |         |
|     | 3.3.5                         | FR Clothing (For Welders)                       |     |              |         |
| 3.4 | GENERAL SAFETY                |                                                 |     |              |         |
|     | 3.4.1                         | First Aid Box                                   |     |              |         |

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|     | 3.4.2                                    | Barricading Tape            |     |              |         |
|     | 3.4.3                                    | Danger Signage Board        |     |              |         |
|     | 3.4.4                                    | Safety Cones                |     |              |         |
|     | 3.4.5                                    | Emergency Torch             |     |              |         |
|     | 3.4.6                                    | Portable Gas Monitor        |     |              |         |
|     | 3.4.7                                    | Tool Box Lockable           |     |              |         |
|     | 3.4.8                                    | MSDS File & Safety Booklets |     |              |         |
| 4   | ADMIN & LOGISTICS ITEMS                  |                             |     |              |         |
|     | 4.1.1                                    | Attendance Register         |     |              |         |
|     | 4.1.2                                    | T&P Register                |     |              |         |
|     | 4.1.3                                    | Safety Training Register    |     |              |         |
|     | 4.1.4                                    | PPE Issuance Register       |     |              |         |
|     | 4.1.5                                    | Material Receiving Register |     |              |         |
|     | 4.1.6                                    | Daily Work Progress Format  |     |              |         |
|     | 4.1.7                                    | ID Cards                    |     |              |         |
|     | 4.1.8                                    | Shift Roster Sheet          |     |              |         |
| 5   | WORKMEN COOKING VESSEL & DAILY USE ITEMS |                             |     |              |         |