

Item No. 1 **Supplying, Installation, Testing and Commissioning of Kirloskar make Diesel Engine driven fire Hydrant pump set suitable for Automatic Operation and Consisting of Following : Horizontal type, Centrifugal end suction back pull out, top discharge pump of cast iron body & Bronze impeller with M.S. Fabricated common base plate, coupling, coupling guard, foundation bolts etc. as required.**

Model- KFE, Flow - 97 m³/hr, Head - 70 meter, Engine - 39 BHP/3 ph, Suc X Del - 100 x 80

This work shall consist of furnishing, placing and supplying Diesel engine driven fire hydrant pump in 16 SWG with powder coating 7 tank processes. Basic cost of outgoing diesel engine 24v DC-MCB DP-DC-Voltmeters (96x96) (Analog), DC Amp meter (96 x 96) (Analog), Start / Stop / Accept Push button, hooter, stop delay timer, Indicating lamps (on/off/trip) battery charger, Engine start relay / start control, cranking relay, control relay, set of terminals, control wiring. Confirming to these specifications of the above mentioned brand and make as approved by Engineer in charge.

1.0 Workmanship:

Installation of Fabricated Diesel Engine driven fire hydrant pump suitable for automatic operation and consisting of following: complete in all respect as required. (a) Horizontal, centrifugal, back pullout pump to ensure a minimum pressure of 3.5 kg / cm². at highest and farthest outlet at specified flow of 2850 lpm at 88mt. head conforming to IS standards. (b) Diesel engine of 2850 RPM water cooled type with radiator conforming to relevant BS & IS standard complete with auto starting mechanism, 12 volts/24 volts electric starting equipment, Diesel tank, exhaust pipe extended up to 1 m. outside pump house duly insulated with 50 mm. thick glass wool with 1.0 mm. thick aluminium sheet cladding, residential silencer, instruments and protection as per specification, stop solenoid for auto stop in the event of fault with audio indications, painted with post office red colour etc. vibration pad & other accessories as required for complete Installation of pump set. The panel shall be fitted and installed properly in a desired position and making all required necessary connection as specified as directed by the engineer in charge.

2.0 Mode of Measurement and payment.

The payment of work shall be taken per set basis of the finished work.

The rate shall be for a unit of one **Set**.

Item No. 2 :- Providing and Installing of Fully Automatic Sanitary Napkin Incinerator Machine and Vending Machine with all fittings charge and labour charges etc. complete as directed by engineer in charge.

Material

Fully Automatic Sanitary Napkin Incinerator Machine and Vending Machine of best and approved quality as instructed by Engineer in charge.

Necessary fixtures & fastenings.

Workmanship

Fully Automatic Sanitary Napkin Incinerator Machine and Vending Machine shall fixed with necessary brass fixtures and fastenings as directed by Engineer in charge.

MODE OF MEASUREMENT & PAYMENT:

The rates include cost of all materials and labour required satisfactory completion of this item including fitting.

The payment shall be made on **Set** basis of the finished work.

Item No. 3 :- Providing and fixing Sliding Pleated Mosquito net having standard extruded colour anodized aluminum section of premium quality of section size top and bottom of 50.8 mm x 25.4 mm x 2.0 mm and both side section of 63.50 mm x 25.4 mm x 2.00 mm with collapsible mosquito net with magnet locking system etc. complete as directed by EIC.

1.0. Materials

1.1. The **Sliding Pleated Mosquito net** make as approved by the Engineer-in-charge.

2.0. Workmanship

2.1. The window shall be fixed on the wall as and where directed. The **sliding Pleated Mosquito net having standard extruded colour anodized aluminum section of premium quality of section size top and bottom of 50.8 mm x 25.4 mm x 2.0 mm and both side section of 63.50 mm x 25.4 mm x 2.00 mm with collapsible mosquito net with Magnet Locking System etc. complete as directed by EIC.**

3.0. Mode of measurements & payment

3.1. The unit rate of sliding pleated mosquito net with alluminium section shall include the cost of all material, cost of all necessary fixture and fastening. Labour charge for fixing frame, window shutters or ventilator or any opening of any size, any shape and fixing at the place shown drawing and instructed by engineer in charge, all tools and plant required for assembling and fixing in position, finishing as per direction of Engineer in charge. They shall include the cost of fixing and making walls good by plaster colour etc. as directed.

3.2 The sliding pleated mosquito net with alluminium section shall be measured for its width and height, limiting dimension to those specification on plan or as directed.

3.3. The rate shall be for a unit of one Square Meter.

Item No. 4 :- THREE SEATER WAITING SOFA

Providing and arranging three seater gang seater having seat and back made from CRCA capcular Tubular frame welded with perforated Die moulded CRCA sheet base frame made from round Tubular welded with horizontal beam two side armrest welded with frame including finishing metal parts with epoxy polyster powder coating of 50 micron thickness Including all materials and labour etc. complete as per drawing and instruction of engineer-in charge.
3 Seater S.S. Gang Seater.

1.0. Materials

16 Guage MS Pipe structure

CRCA SHEET

As per Engineer - in charge.

2.0 Workmanship

The three seater gang seater having seat and back made from CRCA capcular Tubular frame welded with perforated Die moulded CRCA sheet base frame made from round Tubular welded with horizontal beam Two side armrest welded with frame including finishing metal parts with epoxy polyster powder coating of 50 micron thickness Including all materials and labour etc. complete as per drawing and instruction of engineer-in charge.

3.0 Mode of measurement & payment

The rate shall be for a unit of one **no.** The rate as per drawing including cost of materials and labour etc. complete.

Item No. 5 :- MEDIUM BACK REVOLVING CHAIR

Providing and fixing Medium back Revolving chair seat and back are made from 12mm thick hot pressed plywood covered with moulded cushion and with premium fabric. The back foam should be designed with contoured lumber support for extra comfort. Foam should be with 45 density. Chair with chrome based five prong stand with nylon castors. Chairs with Synchrow tilt mechanism of standard make. Chair size 45 cm x 53 cm of back side and 52 cm x 48 cm seat side. Chair with scratch and weather resistant arm rest. Chair with permanent mechanism is designed with 360 revolving type with pneumatic height adjustment. Complete as directed by Architect and engineer in charge.

1.0. Materials

- 1.1. The material shall be use as per general specifications attached here with.
- 1.2 The material shall be use as per description of item given above and as directed by the Engineer in charge.
- 1.3 As per relevant additional general specification item.

2.0 Workmanship

- 2.1 As per description given above and to the satisfaction of the Engineer in charge.
- 2.2 As per best fair industries practice.
- 2.3 As per relevant specifications describe in Additional General furnishing specification.
- 2.4 **Size of Medium back chair size : Chair size 45 cm x 53 cm of back side and 52 cm x 48 cm seat side.**

3.0 Mode of measurement & payment:

- 3.1 The rate shall be includes cost of all materials and labour required for satisfactory completion of this item as described above.
- 3.2 The work shall be measured for the finished work.
- 3.3. The rate shall be for a unit of **one No.**

Item No. 6 :- ROLLER BLINDS

Providing and fixing the Premium quality roller blinds with sunscreen & blackout layer of approved colour, design, size etc. The Duplex blind shall not filters the light into the room. The blind shall operated via a chain system, alternate strip of dim out & sheer fabrics shall be aligned to create a full sheer blind. The roller blind shall be installed on brackets & clamps fixed over the wall or ceiling. The brackets & clamps shall be made up of high strength alloy or zinc plated mild steel Including all material, fixtures, screw, nails, labour etc. complete as directed by Engineer incharge.

1.0. Materials

- 1.1. Premium quality roller blinds with sunscreen & blackout layer of approved colour, design, size etc. The Duplex blind shall not filters the light into the room. The blind shall operated via a chain system, alternate strip of dim out & sheer fabrics shall be aligned to create a full sheer blind. The roller blind shall be installed on brackets & clamps fixed over the wall or ceiling. The brackets & clamps shall be made up of high strength alloy or zinc plated mild steel Including all material, fixtures, screw, nails, labour etc. complete as directed by Engineer incharge.

2.0. Workmanship

- 2.1. The roller blinds shall be fixed window with necessary fixtures and fastening as directed.

3.0. Mode of measurements and payment

- 3.1. The rate includes all labours and materials, tools and plant etc. required for satisfactory completion of this item.
- 3.2. The rate shall be for a **Square meter**.

Item No. 7 :- **Providing MASS RACK 27U 600 mm x 1000 mm with height of 1310 mm Floor Standing Server Rack with Server Tray, Keyboard Tray, Power Strip 10 Socket, Cable Organizer 1U Closed, 4 Fans & Hardware Kit - Combo Pack for computer room etc. complete as directed by EIC.**

1.0. Materials

- 1.1. The material shall be use as per general specifications attached here with.
- 1.2 The material shall be use as per description of item given above and as directed by the Engineer in charge.
- 1.3 As per relevant additional general specification item.

2.0 Workmanship

- 2.1 As per description given above and to the satisfaction of the Engineer in charge.
- 2.2 As per best fair industries practice.
- 2.3 As per relevant specifications describe in Additional General furnishing specification.
- 2.4 **MASS RACK 27U 600 mm x 1000 mm with height of 1310 mm Floor Standing Server Rack with Server Tray, Keyboard Tray, Power Strip 10 Socket, Cable Organizer 1U Closed, 4 Fans & Hardware Kit - Combo Pack for computer room etc. complete as directed by the Engineer in charge.**

3.0 Mode of measurement & payment:

- 3.1 The rate shall be includes cost of all materials and labour required for satisfactory completion of this item as described above.
- 3.2 The work shall be measured for the finished work.
- 3.3. The rate shall be for a unit of **one No.**

Item No. 8 :- Providing and fixing Fully Glazed Door having aluminum Colour anodized section frame 85 mm x 38.10 mm with 5 mm thick frosted glass with powder coated aluminum fittings fixed on floor spring and fixtures with silicon sealant etc. complete

1.0 MATERIALS

- 1.1 Standard extruded approved colour anodized Aluminium section door allows used in the manufacture of extruded section shall confirm to I.S. designation HEA - WP of IS 733 - 1975 and also designation WVG - WP of IS 1285 - 1975 section shall be as specified in the drawing a design or as directed by Engineer-in-charge. All section shall be free from scratches holes or any damages on surface. All section shall have finished plaster surface on all sides.
 - 1.1.1. The work includes standard fully glazed door having aluminum colour anodized section frame 85 mm x 38.10 mm with 5 mm thick frosted glass with powder coated aluminum fittings as directed by Engineer in charge.
- 1.2 **Glass :** The frosted glass fixed to aluminium strip blade shall be of approved make having thickness of **5mm**. The glass shall be clear and free from scratches and cracks. The glass shall be provided on wall panel and fixed with tinted silicon gasket.
 - 1.2.1 The glass shall be of the brief quality, free from specks, bubbles, smoken veins, air holes distress and other defects. The kind of glass to be used shall be as mentioned in the item or as shown in detailed drawing or as directed by Engineer-in-charge.
- 1.3. **Glazing clips:** Glazing clips shall be colour marble jambs all around the ventilator shall be free from any scratches or holes or any damage of on surface all section shall have finished luster surface on all sides.
- 1.4 **Rubber Gasket :** Rubber gasket shall be approved make shall be free from any scratches or holes or any damage on surface and shall have finished luster surface on all sides.
- 1.5. **Fixtures**
 - 1.5.1. Hinges shall be of approved make shall be free from any scratches or holes or any damage on surface and shall have finished luster surface on all sides.

WORKMANSHIP

The work of standard Fully Glazed Door having aluminum Colour anodized section shall be done with extreme finishing. The inclined blades shall be fixed as directed by Engineer-in-charge. 5 mm thick frosted glass shall be fixed on blades.

MODE OF MEASUREMENT & PAYMENT

The unit rate of standard Fully Glazed Door having aluminum Colour anodized section shall include the cost of all labours, materials, anodizing charges, tools, plants, cost of necessary fixtures & fastenings.

The rate shall be for a unit of one square meter.

Item No. 9 :- Providing and fixing safety grill of required pattern for windows/ Ventilator / Door using M.S. Polished bars / Pipes / M.S. Angles / Flats of required spacing as per drawings as design and hold fastening with coach bolts including one coat of primer and two coats of matt finished oil painting etc. complete.

1.0 Scope of work : The item of safety grill required pattern for windows/ Ventilator / Door using M.S. Polished bars / Pipes / M.S. Angles / Flats and other structural steel and oil painting work.

2.0 Materials: The M.S. bars, CRC pipe and all the fixture and fastening shall be of standard approved quality.

3.0 Workmanship : The item covers the requirement of preparation of Safety grills of required pattern for windows/ Ventilator / Door using M.S. Polished bars / Pipes / M.S. Angles / Flats of required spacing as per drawings as design and hold fastening with coach bolts including one coat of primer and two coats of matt finished oil painting as per detail drawing etc. complete as per directed Engineer in charge.

4.0 Mode of measurements and Payments:

The rates for safety grills for windows/ Ventilator / Door shall be includes cost of providing all required materials and painting etc. keeping in position as directed.

The dimension of the safety grill for windows/ Ventilator / Door shall be measured clear size of the doors and windows.

The rate shall be for a unit of **Kg**.