

Name of work:- Supply Installation Testing Commissioning (SITC) of Eco-friendly Wood / Pellets Pyre Cremation System for Single Furnace Single Chimney & Single Scrubbing Unit.

Sr. No.	Description	Technical Specification	Qty.
01	Furnace With Foundation	Design, supply, installation, testing & commissioning of Bogie hearth Furnace with vertically sliding type (Rise & fall type) Counter weight balanced Manually operated door comprising of :- Refractory lined, Insulated Furnace with SS reflector to reflect back the radiant heat and insulated with Rockwool fibre blanket with a maximum skin temperature of 25°C above the Ambient Temperature. Combustion air through Stack affect only & no Blower. Combustion Air injection system 16 nos. orifice within in furnace complete in all respect as per direction of Engineer-In Charge.	1 No.
02	Heat Exchanger	Design, Supply, installation, testing & commissioning of Heat Exchanger to partially cool the flue gas from the furnace Complete in all respect as per direction of Engineer-In-Charge.	1 No.
03	Cremation Trolley	Design, supply, installation, testing & commissioning of Cremation Trolley (1 in Process & 1 as stand by for preparation & performing Rituals before cremation with each Furnace). Size: 3ft. X 6.5ft. Scientifically designed cremation trolley based on Gasification Technology with Reduction & Oxidation heating arrangement & made of sturdy steel structure & Ms plate and Refractory lined suitable for Temperature up to 900°C with ash tray beneath to collect the ash & Asthi and moving on Rails. Complete in all respect as per direction of Engineer-In-Charge.	2 Nos.
04	Cyclone	Design, supply, installation, testing & commissioning of High Pressure Cyclone Made of MS 4mm thick plate diameter 500mm & Height 1200mm with bottom valve Complete in all respect as per direction of Engineer-In-Charge.	1 No.
05	Ash Drums	Design, supply, installation, testing & commissioning of ash Drum Trolley Complete in all respect as per direction of Engineer-In-Charge.	1 No.
06	Scrubbing Unit	Design, supply, installation, testing & commissioning of 1Nos Scientifically designed wet scrubber mode of SS Plate & suitably packed, 3mm thick plate, Diameter 700mm & Height 2500mm with SS Plate Water Tank 6mm thick plate Size 1000mm X 1000mm X 1200mm and a 0.5 hp water pump installed for scrubbing the flue	1 Unit

		gas. Complete in all respect as per direction of Engineer-In-Charge. 0.5 hp water pump installed for scrubbing the flue gas coming out of the furnace.	
07	Chimney	Design, supply, installation, testing & commissioning of 1 no. Self supporting Chimney of Mild Steel Pipes IS2062 grade. 100 ft. height Diameter 400mm, thickness 5 mm at the top. Base Cone 900 diameter, 6mm thick, Base plate 20mm thick, 1000mm X 1000mm with Foundation Bolt with Aviation Light and Light arrester Complete all respect per direction of Engineer-In-Charge.	1 No.
08	Flue Gas Ducting	Providing and Fixing of Ducting Complete in all respect as per direction of Engineer-In-Charge.	1 set
09	Transfer Rail	Design, supply, installation, testing & commissioning of Transfer line Complete in all respect as per direction of Engineer-In-Charge.	1 No.
10	Ash Tray	Design, supply, installation, testing & commissioning of Ash Tray made of MS plate, 2mm thick installed at the bottom of the Trolley, Size 1.0 ft. X 7.0 ft. with Handle & roller. Complete in all respect as per direction of Engineer-In-Charge.	4 Nos.
11	Ash Tray Stand	Design, supply, installation, testing & commissioning of Ash Tray Back Complete all respect as per Direction Engineer-In-Charge.	1 No.

CREMETORIUM PHOTOS

