

**Specifications of requested furnaces for ductile cast iron projects:**

Item	Unit	Description
<b>POWER SYSTEM</b>		
1	pc	Medium Frequency Capacitor Bank
2	set	Converter Remote Control Cubicle.
3	set	PLC Control System and program. The following Items are included: Item 1.4.1 Item 1.4.2 Item 1.4.3
4	set	Automatic Sintering Program (4 alternative functions).
5	set	Automatic Sintering device, with thermo couple.
<b>FURNACES</b>		
6	pcs	Furnace, steel frame, capacity 8000kg Cast Iron with two separate pots ( dual melting ) (the furnace must be equipped with "melting holding" system.)
7	pc	Vibrating charging Car
8	pcs	Exhaust Hood, with furnace cover
9	pcs	Exhaust Cover Smoke Outlet Pipe
10	set	Water cooled cables for furnaces.
11	pcs	Back tilting
12	set	Montage Materials for Furnace
13	set	Mikanite
14	set	Earthing Antenna
<b>COOLING SYSTEM</b>		
15	set	Pump Station, for internal water cooling system The following Items are included: Conductivity Measuring Tube
16	set	Heat-exchanger, for internal water cooling system
17	set	Water distribution Panel for Furnace
<b>HYDRAULIC SYSTEM</b>		
18	set	Hydraulic Control Panel Controlling of followings: a- Hydraulic tilting. b- Remote control of converter. On, off and power adjustment c- Transfer switch control d- Emergency stop
19	set	Hydraulic Unit, with emergency hand pump
20	set	Hydraulic Pipes and Fasteners (for the furnace and furnace cover)
<b>OTHERS</b>		
21	set	Platform layouts, electric, hydraulic and water cooling circuit diagrams.
22	set	Operation and maintenance Hand Book.
23		Supervision of field assembly and commissioning.
24	set	Emergency spare part kit
25	set	Critical Erection Material