印度 D1800-3.5/0.96 风机调试方法及步骤：

BF Blower D1800-3.5/0.96 Commissioning Method and Procedure

一、满足启动条件：

Satisfy starting condition:

1、启动电动油泵，压力达到 0.15Mpa　油温 30℃左右且高位油箱回油后。

Start oil pump, pressure should be 0.15Mpa, oil temperature should be around 30 ℃ and high level oil should return.

2、阀门位置：防喘阀全开；放空阀全开；送风阀全关；入口阀 7-8%,

Valve position, Anti surge valve fully open, Vent valve fully open, Blow valve fully close, Inlet valve 7-8%.

3、其它设备、电器、冷却水具备。

Other equipment, electrical equipments, cooling water should meet requirement.

二、启动 ， Starting

1、启动盘车电机 15-30 分钟左右；

Start jigger motor for 15 to 30 minutes

2、启动主电机。

Start main motor

3、达到额定转速后电流回落后，即刻将入口阀开到 20%左右。

To achieve rated speed, after current fall down, immediately open the inlet valve around 20%.

4、观察电流情况，将防喘阀逐渐关至 0 位。

Observe the current situation, anti surge valve gradually close to zero position.

6、如果电机电流达到额定电流的 70%时，将放空阀缓慢关闭。

If the motor current reaches 70% of the rated current, slowly close vent valve.

7、看电流将入口阀再开，入口负压减小，操作时入口阀和放空阀对应调节，每次操作一个阀，每次升压不超过 10Kpa。

Check the current and again open inlet valve, reduced inlet negative pressure. During operation both inlet and vent valve should be corresponding adjust, operating only one valve every time, increasing pressure every time should ≤ 10Kpa.

8、最终调到入口负压 10Kpa 左右，出口表压在 240kpa 左右，即到设计工况。

Finally set the inlet negative pressure around 10Kpa, outlet gauge pressure around 240Kpa, according to design conditions

电机耗功在风机轴功率左右（5800KW）。

Motor power consumption around the fan shaft power (5800KW)

以上调节如果出现入口阀大于 **60%**入口负压大于 **17Kpa** 时要检查入口阀门和过滤器是否正常。

During above adjust, if inlet valve more than 60% and inlet negative pressure greater than 17Kpa at the same time , please check inlet valve and filter are normal or not.

如各项指标正常可向高炉送风。

The indicators such as normal access for blast furnace air supply

方法是：逐渐开送风阀门，同时逐渐关闭放空阀门。送风阀和放空阀开关量以保持出口压力不变为前提。

The approach is-- Gradually open air supply valve and at the same time gradually close the empty air valve, during above operation, the outlet pressure should keep stable.

送风过程中如果出现压力出口压力升高或喘振现象，即要检查送风系统是否有堵塞现象并排除之**.**

During air supply process, if outlet pressure pressurizing highly or Surge phenomenon happen, you should check air blowing system is normal or not, or any jamming is there.

给高炉送风后可以用放空阀或入口阀加、减风压和风量。

After blast furnace air supply, you can reduce wind pressure and air volume by operating vent valve or inlet valve.

正常工作防喘阀应该处于关闭状态。入口阀开度不能小于 **45%**（减负荷时），放空阀是在高炉要求减风时小量开启。大多为关闭状态。

（出口表压**+**当地大气压）**/**入口绝压**=**压比**≥3.6**　　入口负压越小有效功越大。

Normal working of anti surge valve should be in close status. Opening of the inlet valve cannot be less than 45 %(During unload), According to blast furnace requirement, open vent valve small angle for reduced air. Most of the time, it should be closed.

(Out let gauge pressure + local atmospheric pressure) / Inlet absolute pressure=pressure ratio≥3.6

Inlet negative pressure smaller and effective output is more.