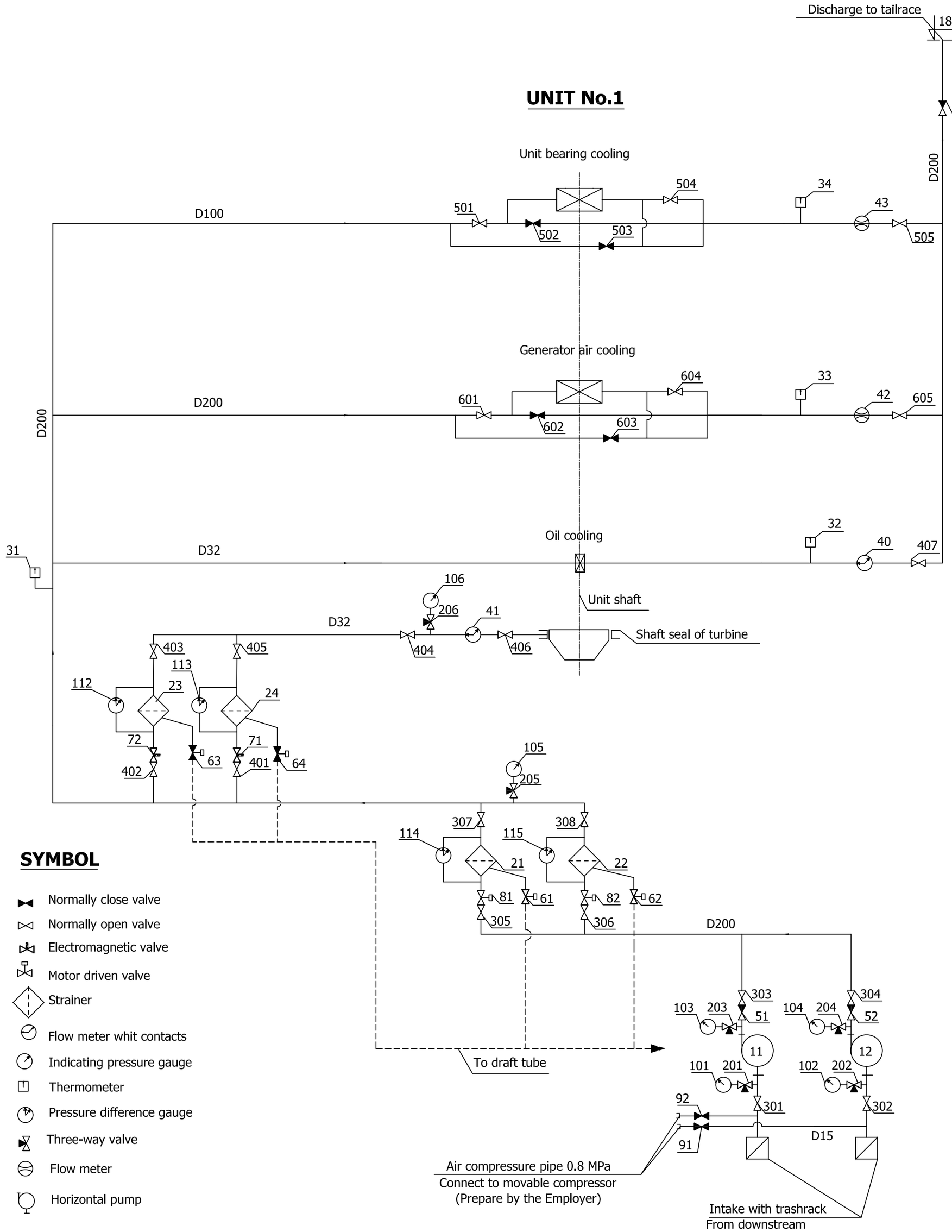

SYMBOL

- Normally close valve
- Normally open valve
- Electromagnetic valve
- Motor driven valve
- Strainer
- Flow meter whit contacts
- Indicating pressure gauge
- Thermometer
- Pressure difference gauge
- Three-way valve
- Flow meter
- Horizontal pump

LIST OF EQUIPMENT

CODE	NAME OF EQUIPMENT	SPECIFICATION AND PARAMETER	UNIT	QUANTITY	NOTE
11 - 12	Water cooling pump	Q = 300m3/h, H=54 m	set	2	
21 - 22	Strainer	Q=530m3/h,P=0.6 MPa	set	2	
23 - 24	Hydro cyclon strainer	Q =10m3/h, P=0.6MPa	set	2	
31 - 34	Thermometer	0-:-100 celcius degree	set	4	
40 - 41	Flow meter with contact	D = 32, P = 0.6 MPa	set	2	
42	Electro-magnetic flow meter	D =200, P = 0.6 MPa	set	1	
43	Electro-magnetic flow meter	D = 100, P = 0.6 MPa	set	1	
51 - 53	Check valve	D = 200, P = 0.6 MPa	pcs	3	
61 - 62	Motor driven valve	D = 80 , P = 0.6 MPa	pcs	2	
63 - 64	Motor driven valve	D = 40 , P = 0.6 MPa	pcs	2	
71 - 72	Electro-magnetic Valve	D = 32 , P = 0.6 MPa	pcs	2	
81 - 82	Motor driven valve	D = 200 , P = 0.6 MPa	pcs	2	
91 - 92	Manual thread valve	D = 15 , P = 1.0 MPa	pcs	6	
101 - 107	Pressure dial meter	P = 1.0 MPa	set	7	
112 - 115	Differential pressure meter	D= 15, P = 0.6 MPa	set	4	
201 - 207	Three way valve	D= 15, P = 0.6 MPa	pcs	7	
301 - 302	Manual valve	D = 200, P = 0.6 MPa	pcs	2	
303 - 308	Manual valve	D = 200, P = 0.6 MPa	pcs	7	
401 - 407	Manual valve	D = 32 , P = 0.6 MPa	pcs	7	
501 - 505	Manual valve	D = 100 , P = 0.6 MPa	pcs	5	
601 - 605	Manual valve	D = 200 , P = 0.6 MPa	pcs	5	
Steel pipe		D = 200, P = 0.6 MPa	m	50	
Steel pipe		D = 200, P = 0.6 MPa	m	150	
Steel pipe		D = 100, P = 0.6 MPa	m	80	
Steel pipe		D = 32, P = 0.6 MPa	m	90	

NOTES:

1. Embedded pipe shall be stainless steel pipe
2. Pipes with D<ϕ32 shall be thread connection, D>ϕ32 shall be connected by flange
3. "D" is inner dimension of pipe

BUON DON HYDROPOWER JOINT STOCK COMPANY					
SREPOK 4A HYDRO POWER PROJECT - LOT NO.11					
CONTRACTOR	CONSORTIUM OF HYDROCHINA ZHONGNAN ENGINEERING CORPORRATION & TIANJIN ALSTOM HYDRO CO.,LTD				
DRAWING No. OF CONTRACTOR	HCZN-SP4A-03050-100			REV	C
DESIGNER	HYDROCHINA ZHONGNAN ENGINEERING CORPORRATION				
TITLE	PRINCIPLE DIAGRAM OF COOLING WATER SUPPLY SYSTEM				
DESIGNED		REVIEWED		SHEET	1/1
CHECKED		VERIFIED		TOTAL	1
EXAMINED		SCALE		DATE	2011-04-25