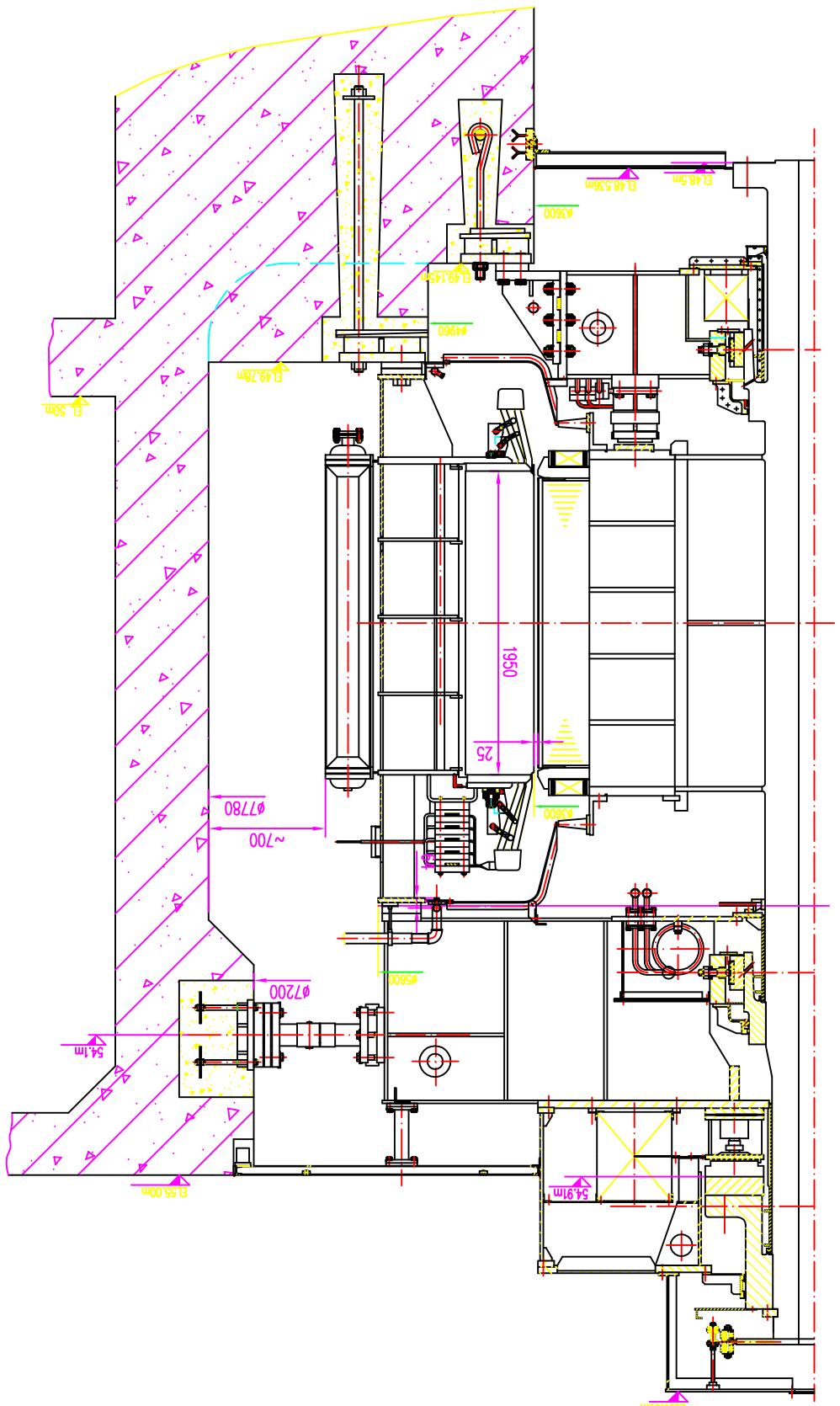

No.	Name	Quantity	Remarks
1	Type	SF80-12/4480	
2	Rated output	94.12/80 MVA/MW	
3	Rated voltage	13.8 kV	
4	Rated current	3937 A	
5	Rated power factor	cosø=0.85(lagged)	
6	Number of phase	3	
7	Frequency	50Hz	
8	Rated speed	500 r/min	
9	Runaway speed	731.4 r/min	
10	Direction of rotation	Clockwise viewed from top	
11	Type of cooling	Air cooling	
12	Type of excitation	Static scr	
13	Class of insulation	F	
14	Rated excitation current	950 A	
15	Rated excitation voltage	230 V	
16	Load on thrust bearing	245 t	

RATING FOR GENERATOR

No.	Name	Quantity	Remarks
1	Temperature of water inlet for coolers	30 °C	
2	Working water pressure of coolers	0.3 ~ 0.6 MPa	
3	Cooling water consumption for air cooler	240 m³/h	
4	Cooling water consumption for thust bearing cooler	400 m³/h	
5	Cooling water consumption for upper guide bearing cooler	45 m³/h	
6	Cooling water consumption for lower guide bearing cooler	45 m³/h	
7	Lubricating oil marking	ISO-VG46 turbine oil	
8	Quantity of lubricating oil required for thrust bearing	45 m³	
9	Quantity of lubricating oil required for upper guide bearings	5 m³	
10	Quantity of lubricating oil required for lower guide bearings	4 m³	
11	Pneumatic pressure for breaking	0.55~0.8 MPa	
12	Pneumatic pressure for jacking	12 MPa	
13	Compressed air consumption for breaking	4 liter/s	
14	Time for breaking	3 min	
15	Water consumption for fire protection	30 liter/s	
16	Working water pressure of fire protection	0.4~0.6MPa	
17	Fly wheel effect	865 t-m²	
18	Lifting weight of rotor(including lifting tool)	151 t	

TECHNICAL DATA

Rev. No.	Date	Description of revision	Endorsed

DRAWING/DOCUMENT REVISIONS

Client:	VIETNAM ELECTRICITY HYDRO POWER PROJECT MANAGEMENT BOARD No.7 AN KHE HYDROPOWER PLANT AN KHE-KA NAK HYDROPOWER PROJECT
Supplier:	DONGFANG ELECTRIC CORPORATION
Des. manu:	DONG FANG ELECTRICAL MACHINERY CO.,LTD.
Sheet	1
Scale	1:20
Project No.	2697-AK08-GK-DFEM-02
Owner No.	
Manufacturer No.	1F7465-S

SECTIONAL DRAWING OF GENERATOR

Ñ5:VbP