

结构设计总说明

- 本卷册为汽机房A列柱基础施工图。根据《建筑地基基础设计规范》GB50007-2002要求,基础设计等级为甲级。

- SEISMIC FORTIFICATION INTENSITY: 7, DESIGN BASIC ACCELERATION OF

- THE BEARING LAYER OF FOUNDATION OF COLUMN LINE (A), (1/A), (2/A) SHALL

- (A) (B) (C) 列柱基础持力层是第⑤层中微风化微风化砂岩，地基承载力特征值 $f_{ak} > 800 \text{ kPa}$ 。基础超挖部分用C20毛石混凝土浇至基底设计标高，每边宽出基础垫层200mm。(毛石含量不大于25%，毛石最大粒径小于300mm。)

- 基坑开挖至基础底标高后,各相关部门应进行地质验槽并做记录。当遇到不良地质条件时应及时通知现场工代,处理完毕后方可继续进行施工。

- 基坑开挖和基础施工时应采取有效的排水措施保持基坑干燥,以保证基础混凝土工程的质量。

- 回填土不得使用淤泥、耕植土、膨胀性土及有机物含量大于5%的土,回填时须基础两侧同时回填,分层夯实,压实系数(压实填土的控制干密度与最大干密度的比值)不小于0.95。

- REBARS : Φ -Fe500D (USED FOR WELDING CONNECTION) OR Fe500 (USED FOR MACHINACL AND LAPPING CONNECTION).

- 鋼筋(Ⅱ)-Fe500D(用于焊接) Fe500(用于机械连接和绑扎)

- THE LENGTH OF REBARS SHOULD BE DECIDED BY

- IN THIS DRAWING BLINDING LAPPED SPICE OR WELDING CAN BE USED

- 图中柱纵筋可以采用绑扎搭接或焊接。绑扎搭接长度短柱为 $58d$,基础底板为 $50d$,同一截面钢筋接头百分率不大于50%。

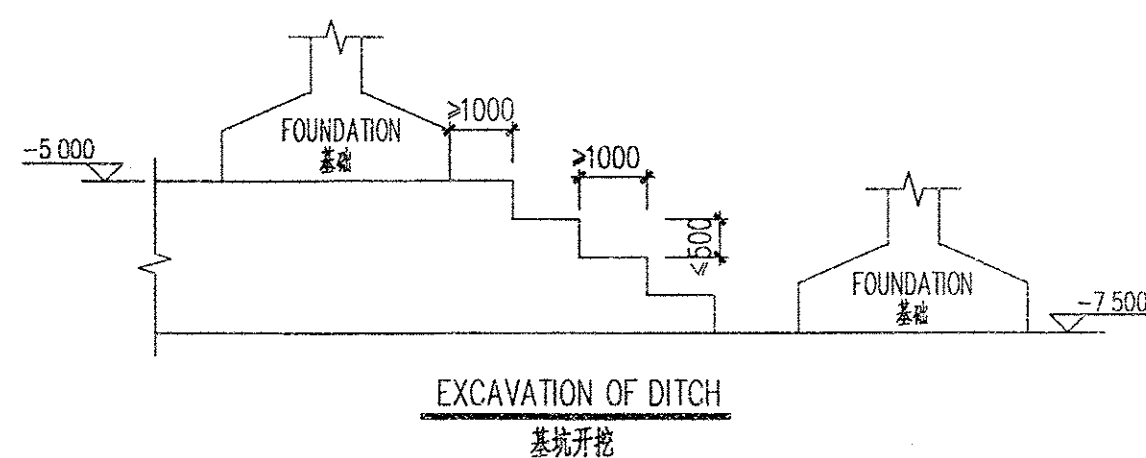
- 根据中国《混凝土结构耐久性设计规范》GB/T 50476-2008的规定,基础所处的环境类别为I-C类。

	MAXIMUM WATER-CEMENT RATIO	MINIMUM CONSUMPTION OF CEMENT	MAXIMUM CONSUMPTION OF CEMENT	MAXIMUM CONTENT OF CL	MAXIMUM CONTENT OF ALKALI	MAXIMUM DIAMETER OF AGGREGATE	CATEGORY OF AGGREGATE
混凝土强度等级	最大水灰比	最小水泥用量	最大水泥用量	氯离子最大含量	最大碱含量	骨料最大粒径	骨料类型
C30	0.55	280kg/m³	400kg/m³	0.15%	3.5kg/m³	20mm	INACTIVE 非活性
C35	0.50	300kg/m³	400kg/m³	0.15%	3.5kg/m³	25mm	INACTIVE 非活性

- 对于主厂房大体积混凝土基础,可按照《块体大体积混凝土施工技术规程》(224-1991)或相关的印度规程,采取可靠措施防止产生开裂。

- 其坑同植前应根据电气图纸安装防雷接地设备。

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COMPANY	SIGNATURE	DATE	REV



- 上部钢结构应待基础和短柱达到设计强度后方可进行安装

5. FOR THE DETAIL DRAWINGS OF EMBEDDED PARTS TO SEE THE VOLUME T0104

6. THE POSITIONS OF SETTLEMENT OBSERVATION POINTS SHALL SEE THE DRAWING

- THE DETAIL DRAWING OF SETTLEMENT OBSERVATION POINT SHALL BE DETAILED AS PER VOLUME T0103.

- THE OBSERVATION TIME AND TIMES ARE SHOWN AS BELOW.

- THE FIRST OBSERVATION

- THE SECOND OBSERVATION SHALL BE DONE WHEN THE MAIN STRUCTURE IS HALF COMPLETED

- THE THIRD OBSERVATION SHA

- THE FOURTH OBSERVATION SHALL BE DONE BEFORE TRIAL OPERATION

- 7.15 7.150 05 05TT

- IN THE SECOND YEAR AND AT LEAST ONE TIME EVERY HALF YEAR TILL THE SETTLEMENT IS STABLE.

7. THE EXCAVATION OF DITCH REFERS AS THE FOLLOWING DRAWING

8. ALL THE OTHER CONSTRUCTION DEM

- 其他施工中的问题应按中国和印度有关验收规程及规范执行。

- 相关设计标准 规程及依据

- 混凝土结构设计规范: (GB50010-2002)

- 19.2 <CODE FOR DESIGN OF BUILDING FOUNDATIONS>(GB50007-2002)

- ### 19.3 <CODE FOR SEISMIC DESIGN OF BUILDINGS>

- 19.4 <CODE FOR DURABILITY DESIGN OF CONCRETE STRUCTURES> (GB/T 50476-2008)

- 19.5 <LOAD CODE FOR THE DESIGN OF BUILDING STRUCTURES>(GB50009-2001) 2006 VERSION

- 19.6 < TECHNICAL STIPULATION FOR THE DESIGN OF CIVIL STRUCTURE OF THERMAL POWER PLANT

- 10.7. TECHNICAL CODE FOR DESIGNING LOAD OF MAIN BUILDING IN FOSSIL FUEL POWER PLANTS

- 《火力发电、主/辅设备检修技术规范》(DL/T 3093-2007)

- 《岩土工程检测检测》

- 业主提供的相关资料文件。

- 防白蚁应根据相关的印度标准或规范采取措施。

Reference No. _____
Signature: 

[illegible]

PROJECT :	印度GMR卡玛朗加能源有限公司4×350MW电站工程 4x350MW KAMALANGA THERMAL POWER PROJECT		
OWNER :	GMR 卡玛朗加能源有限公司 GMR KAMALANGA ENERGY LIMITED		
OWNER'S ENGINEER :	LAHMEYER INTERNATIONAL INDIA	拉玛雅国际咨询有限公司 LAHMEYER INTERNATIONAL (INDIA)PVT.LTD CONSULTING ENGINEERS, GURGAON	
EPC CONTRACTOR :	SEPCO	山东电力基本建设总公司 SEPCO ELECTRIC POWER CONSTRUCTION CORPORATION	
ORIGINATOR DESIGN INSTITUTE/SUPPLIER:	STATE NUCLEAR ELECTRIC POWER PLANNING DESIGN & RESEARCH INSTITUTE		
PROJECT CONTROL No.	KTPP-0-SNPDR1-UMA-DT-0301(01)-B		
PROJECT	STATE NUCLEAR ELECTRIC POWER PLANNING DESIGN & RESEARCH INSTITUTE		
APPRD:	4x350MW KAMALANGA THERMAL POWER PROJECT		
RWVD:	DESIGN PHASE DETAIL DESIGN		
CHKD:	GENERAL SPECIFICATION 结构设计总说明		
DSGD:			
SCALE:	1:—		
DATE	APR.2010	DWG.NO.	37-F4341S-T0301-01
			REV.B