山 东 电 力 建 设 第 三 工 程 有 限 公 司 沙 特 延 布 三 期 项 目 部

Saudi Arabia Yanbu Phase3 Project of SEPCOⅢ

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| **安全交底记录 TBT RECORD** | | | | |
| 专业Discipline | | 维护电气 Maintenance Electrical | 负责人 Person in Charge | RIPON |
| 交底人 TBT Person | | RIPON | 日期 Date | 2024-05-12 |
| 安 全 交 底 内 容 TBT CONTENT | 1. 进入现场必须带安全帽穿安全鞋穿反光马甲，不准喝酒，严禁吸烟。   To enter the scene must wear a helmet, safety shoes and reflective vests, no alcohol and smoking is strictly prohibited.   1. 工作前确认工作现场符合安全相关要求，避免孔洞坠落高处坠物等危险的发生。   Confirm that the work site meets safety-related requirements before work to avoid hazards such as holes falling from high places.   1. 不动与自己工作无关的设备，远离强电高温转动等危险设施。   Do not touch equipment that is not relevant to arranged work, and stay away from dangerous facilities such as strong electricity and high temperature rotation.   1. 正常的检修及维护必须办理工作票，在工作票规定的范围内施工，有监护人，严禁一人单干，遇到紧急抢修工作时，应及时通知本专业的主管人员，得到相应指令后办理紧急联系单，然后再开始工作，避免意外伤害的发生。   Normal overhaul and maintenance must handle PTW, work within the scope of the provisions of the work ticket, there are guardians, it is forbidden to work alone, encounter emergency repair work, should promptly notify the competent personnel of the professional, get the appropriate instructions for emergency contact list, and then start working to avoid accidental injury.   1. 凡是可能接触导体、转动设备的作业，无论是否带电，都必须验电，确认导体已经停电、设备停止运转并进行相关隔离后 方 可 施 工 。   Any work that may contact conductors or rotating equipment, whether charged or uncharged, it is required to make sure that the conductors have been de-energized and the equipment is out of operation and isolated before work is completed.   1. 需在停电后进行的工作，停送电操作应由运行人员完成，严禁维护人员私自停电或送电。   Work that needs to be done after the power outage, power outage operation should be completed by the operation personnel, maintenance personnel are strictly prohibited to operate it privately.   1. 在带电设备上进行检修工作时：During work on live equipment：   1）具备停电条件时，应首先考虑停电后再进行相应工作First to consider to stop power when it is available before starting work.  停电后应先验电，确认无电后再开始工作 It is must be tested that there is no power on the equipment before starting work.  2）当必须在带电设备或回路上工作时When maintenance staff must work on live part：  应至少两人一组进行工作，严禁单人单独作业，并安排专人监护，监护人不得擅自离开作业区域It is strictly prohibited to work alone and the work must be under tutelage of special person, and the special person is not allowed to leave the work site without permit  应与带电体保持安全距离，并穿戴好相应的PPE It is required to keep safety distance from live part, and corresponding PPEs must be properly worn.  使用绝缘良好的工器具It is required to use good insulation tools  必要时，穿戴相应的高压PPE Wear corresponding HV PPE when necessary  打扫带电盘柜卫生时，不得攀爬盘柜 It is strictly forbidden to climb switchgear when the switchgear is live.   1. 严禁在工作现场嬉戏打闹，偷懒、玩儿手机，应在指定地点休息。   It is strictly forbidden to play around, slack off, or play with cell phones at the work site, and should take a break at the designated location.   1. 遇到漏电泄露火灾等事故发生，在情况不明朗的条件下，严禁进入危险区域。   In the event of an accident, such as an electrical leak or fire, do not enter the hazardous area under unclear conditions.   1. 设备维护完毕，应及时通知相关专业人员和运行人员一起仔细检查后再试转设备，严禁自己单独试转设备，以防造成他人设备的损坏。   After the maintenance of the equipment, the relevant person and operators should be notified in a timely manner to carefully check the equipment before test run, it is forbidden to test run the equipment alone to prevent damage to other people's equipment.   1. 遇到自己不清楚的设备出现故障时应及时报告，得到明确答复后再进行检修，严禁盲目操作。   When you encounter a fault that is not clear to you, you should report it promptly and get a clear answer before overhauling it, and it is strictly forbidden to operate without permission.   1. 凡距坠落基准面2m及以上的场所工作时，必须正确使用安全带；使用时，必须将安全带挂在牢固构件上，高挂低用；高处作业时，不得上下抛掷工器具，应用绳系递。   When working at a place 2m or more away from the fall datum, the safety belt must be used correctly; When using the safety belt, it must be hung on a strong structure, high hung and low use. When working at high places, do not throw up and down work tools, use a rope to pass them.   1. 需要使用梯子时，梯子需搁置稳固，与地面夹角以60-70°为宜；上下梯子时应面朝内部，严禁拿工器具上下（应配备工具袋，或使用绳索系递）；严禁两人在梯子上工作，梯子最高两档不得站人，使用梯子时必须安排专人扶持。使用人字梯时，上下时需面朝内部，做到三点接触，每次只能跨一档，使用时同样必须保证专人扶持，严禁单人单独作业。   Need to use the ladder, the ladder need to be shelved solid, and the ground angle of 60-70 ° is appropriate; up and down the ladder should face the interior, is strictly prohibited to take the tools up and down (should be equipped with tool bag, or use the rope system pass); prohibited two people in the ladder work, the ladder maximum two files shall not stand people, the use of ladder must arrange special person to hold the ladder. The use of zigzag ladder, up and down need to face inside, do three points of contact, each time only across a file, the use of the same must ensure special person to hold the ladder, forbidden to single person alone work. | | | |
| 工作班人员签字 SIGNATURE |  | | | |