|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | | |
| **DATA SHEETS FOR REMOTE CONTROL PANEL**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | | |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| D01 | Jul. 2022 | IFA | H.Shakiba | M.Fakharian | M.Mehrshad |  |
| D00 | May. 2022 | IFC | H.Shakiba | M.Fakharian | M.Mehrshad |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
| **Class:2** | | **CLIENT Doc. Number: F0Z-709031** | | | | |
| **Status:** | **IDC: Inter-Discipline Check**  **IFC: Issued For Comment**  **IFA: Issued For Approval**  **AFD: Approved For Design**  **AFC: Approved For Construction**  **AFP: Approved For Purchase**  **AFQ:** Approved For Quotation  **IFI: Issued For Information**  **AB-R: As-Built for CLIENT Review**  **AB-A: As-Built –Approved** | | | | | |

**REVISION RECORD SHEET**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |  | **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |
| **1** | X | X |  |  |  | **51** |  |  |  |  |  |
| **2** | X | X |  |  |  | **52** |  |  |  |  |  |
| **3** | X | X |  |  |  | **53** |  |  |  |  |  |
| **4** | X | X |  |  |  | **54** |  |  |  |  |  |
| **5** | X |  |  |  |  | **55** |  |  |  |  |  |
| **6** |  |  |  |  |  | **56** |  |  |  |  |  |
| **7** |  |  |  |  |  | **57** |  |  |  |  |  |
| **8** |  |  |  |  |  | **58** |  |  |  |  |  |
| **9** |  |  |  |  |  | **59** |  |  |  |  |  |
| **10** |  |  |  |  |  | **60** |  |  |  |  |  |
| **11** |  |  |  |  |  | **61** |  |  |  |  |  |
| **12** |  |  |  |  |  | **62** |  |  |  |  |  |
| **13** |  |  |  |  |  | **63** |  |  |  |  |  |
| **14** |  |  |  |  |  | **64** |  |  |  |  |  |
| **15** |  |  |  |  |  | **65** |  |  |  |  |  |
| **16** |  |  |  |  |  | **66** |  |  |  |  |  |
| **17** |  |  |  |  |  | **67** |  |  |  |  |  |
| **18** |  |  |  |  |  | **68** |  |  |  |  |  |
| **19** |  |  |  |  |  | **69** |  |  |  |  |  |
| **20** |  |  |  |  |  | **70** |  |  |  |  |  |
| **21** |  |  |  |  |  | **71** |  |  |  |  |  |
| **22** |  |  |  |  |  | **72** |  |  |  |  |  |
| **23** |  |  |  |  |  | **73** |  |  |  |  |  |
| **24** |  |  |  |  |  | **74** |  |  |  |  |  |
| **25** |  |  |  |  |  | **75** |  |  |  |  |  |
| **26** |  |  |  |  |  | **76** |  |  |  |  |  |
| **27** |  |  |  |  |  | **77** |  |  |  |  |  |
| **28** |  |  |  |  |  | **78** |  |  |  |  |  |
| **29** |  |  |  |  |  | **79** |  |  |  |  |  |
| **30** |  |  |  |  |  | **80** |  |  |  |  |  |
| **31** |  |  |  |  |  | **81** |  |  |  |  |  |
| **32** |  |  |  |  |  | **82** |  |  |  |  |  |
| **33** |  |  |  |  |  | **83** |  |  |  |  |  |
| **34** |  |  |  |  |  | **84** |  |  |  |  |  |
| **35** |  |  |  |  |  | **85** |  |  |  |  |  |
| **36** |  |  |  |  |  | **86** |  |  |  |  |  |
| **37** |  |  |  |  |  | **87** |  |  |  |  |  |
| **38** |  |  |  |  |  | **88** |  |  |  |  |  |
| **39** |  |  |  |  |  | **89** |  |  |  |  |  |
| **40** |  |  |  |  |  | **90** |  |  |  |  |  |
| **41** |  |  |  |  |  | **91** |  |  |  |  |  |
| **42** |  |  |  |  |  | **92** |  |  |  |  |  |
| **43** |  |  |  |  |  | **93** |  |  |  |  |  |
| **44** |  |  |  |  |  | **94** |  |  |  |  |  |
| **45** |  |  |  |  |  | **95** |  |  |  |  |  |
| **46** |  |  |  |  |  | **96** |  |  |  |  |  |
| **47** |  |  |  |  |  | **97** |  |  |  |  |  |
| **48** |  |  |  |  |  | **98** |  |  |  |  |  |
| **49** |  |  |  |  |  | **99** |  |  |  |  |  |
| **50** |  |  |  |  |  | **100** |  |  |  |  |  |

| **Technical Data Sheets For Remote Control Panel** | | | |
| --- | --- | --- | --- |
| **ITEM** | **DESCRIPTION** | **REQUIREMENT** | **SUPPLIER DATA** |
| **1** | **Environmental Conditions (Process Basis Design, BK-GNRAL-PEDCO-000-PR-DB-0001)** | | |
|  | Location | Binak Oilfield in Bushehr Province | D01 |
|  | Max. Outdoor Ambient Temperature | 52°C |  |
|  | Min. Outdoor Ambient Temperature | 5°C |  |
|  | Direct Sunlight Temperature | 85°C |  |
|  | Maximum Relative Outdoor Humidity | 100% |  |
|  | Altitude | 12.5 m Above Sea Level |  |
| **2** | **GENERAL INFORMATION** | | |
|  | Tag Numbers | RCP-02 (Indoor Safe) |  |
|  | Quantity | 1 Set |  |
|  | Application Standard | IPS-E-EL-100  IPS-M-EL-161  IPS-M-EL-143(3) |  |
|  | Manufacturer | By Vendor |  |
|  | Related Document | Electrical Overall Single Line Diagram  “BK-GCS-PEDCO-120-EL-SL-0001”  Existent MV Switchgear Expansion Single Line Diagram “BK-GCS-PEDCO-120-EL-SL-0003”  Electrical Typical Schematic Diagrams for MV Panel “BK-GCS-PEDCO-120-EL-DG-0001”  Wiring Diagram for Interposing Relay Panel (IRP) “BK-GCS-PEDCO-120-EL-DG-0011” | D01 |
| **3** | **ELECTRICAL DATA** | | |
|  | System Voltage/ Frequency | 400V AC / 50Hz |  |
|  | Voltage Variation/ Frequency Variation | ±10 / ± 5% |  |
|  | Insulation Voltage | 0.6/1KV |  |
|  | No. of Phases / Wires | 1Ph+N+PE | D01 |
|  | Control Voltage | 110 VDC |  |
|  | Space Heater Voltage | 230VAC |  |
|  | Internal/ External Voltage Supply | External |  |
|  | Bus-Bars Material | Indoor: Heat Shrink Copper  Outdoor: Silver Plated Copper |  |
| **4** | **ENCLOSURE DATA** | | |
|  | Enclosure Type | Wall Mounted , Fixed Type, Front Access |  |
|  | Degree of Protection | Indoor: IP 42 |  |
|  | Cable Entry | Bottom via Gland |  |
|  | Material | Painted Sheet Steel |  |
|  | Finish Color | RAL 7032 |  |
|  | Dimensions (HxWxD) | By Vendor |  |
|  | Sheet Steel Thickness (Body/Frame) | Wall Mounted: 1.5mm/2mm |  |
|  | Painting | For Corrosive & Hot Atmosphere |  |
|  | Thickness | Min. 60μ |  |
|  | Type | Epoxy Powder Elector Static |  |
|  | Weight | By Vendor |  |
| **5** | **SELECTOR SWITCH** | | |
|  | Selector Pole | 1 | D01 |
|  | Selector Position | Position "OPEN-OFF-CLOSE" |  |
|  | Selector Type | Spring Return to Center |  |
| **6** | **LABLE** | | |
|  | Language | English |  |
|  | Material | Stainless Steel-Screwed/Reverted |  |
|  | Main Label (Front / Back) | Engraved / Black Font-White Background |  |
| **7** | **PANEL WIRING** | | |
|  | Manufacturer | By Vendor |  |
|  | Type | CU/PVC/PVC |  |
|  | Power Wire Color | By Vendor |  |
|  | Signal Wire Color  (Voltage Presence Indicator) | By Vendor |  |
| **8** | **PANEL TERMINAL** | | |
|  | Manufacturer | By Vendor |  |
|  | Model NO. | By Vendor |  |
|  | Type | Solderless Clamp Type-Flame Retardant |  |
|  | Rated Voltage | According to IEC |  |
|  | Size | Min. 4sqmm |  |
|  | Color | Neutral (Blue) / PE (Green/ Yellow) |  |
| **9** | **ACCESSORIES** | | |
|  | Door Key | Yes |  |
|  | Gland Plate (Undrilled) | Yes |  |
|  | Gland Plate Type (Normal/Non-Magnetic) | Normal |  |
|  | Terminal Lugs | Yes |  |
|  | Signal Lamp ( 110 VDC) | C.B. Closed : Red  C.B. Opened : Green  C.B Fault : Yellow |  |

Note 1: All required accessories shall be considered by vendor.