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| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | | |
| **DATA SHEETS FOR IRP PANEL**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | | |
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| D00 | Jun. 2022 | IFC | H.Shakiba | M.Fakharian | M.Mehrshad |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
| **Class:** | | **CLIENT Doc. Number: F9Z-708941** | | | | |
| **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**

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| **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |  | **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |
| **1** | X |  |  |  |  | **51** |  |  |  |  |  |
| **2** | X |  |  |  |  | **52** |  |  |  |  |  |
| **3** | X |  |  |  |  | **53** |  |  |  |  |  |
| **4** | X |  |  |  |  | **54** |  |  |  |  |  |
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| **Technical Data Sheets For Interposing Relay Panel (IRP)** | | | |
| --- | --- | --- | --- |
| **ITEM** | **DESCRIPTION** | **REQUIREMENT** | **SUPPLIER DATA** |
| **1** | **Environmental Conditions (Process Basis Design, BK-GNRAL-PEDCO-000-PR-DB-0001)** | | |
|  | Location | Binak Oilfield in Bushehr Province |  |
|  | Max. Outdoor Ambient Temperature | 50°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 | IRP-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 | Wiring Diagram for Interposing Relay Panel (IRP)  “BK-GCS-PEDCO-120-EL-DG-0011” |  |
| **3** | **ELECTRICAL DATA** | | |
|  | Maximum Voltage | 600 V |  |
|  | Service Access | Front |  |
|  | Related Insulation Voltage | As Per IEC 60439-1 |  |
|  | Dielectric Test Voltage | As Per IEC 60439-1 |  |
|  | Number of Cells | By Vendor |  |
|  | Enclosure Type | Free Standing (Flore Mounted) |  |
|  | Anti Condensation Heaters | Required, 230 VAC (Power Demand: By Vendor) |  |
|  | Auxiliary Relay Type & Manufacturer | By Vendor |  |
|  | Number of Auxiliary Relay Normally Close Contacts | By Vendor |  |
|  | Number of Auxiliary Relay Open Close Contacts | By Vendor |  |
|  | Auxiliary Relay Opening Voltage | 120 VAC |  |
|  | Maximum Resistance of Auxiliary Relay Coil (Ω) | By Vendor |  |
|  | Inrush/Holding Current of Auxiliary Relay (A) | By Vendor |  |
|  | Maximum Number of Auxiliary Relay Making Operation | By Vendor |  |
|  | Maximum Number of Auxiliary Relay Breaking Operation | By Vendor |  |
|  | Maximum Power Consumption of Auxiliary Relay | By Vendor |  |
|  | Rating of Auxiliary Relay Contacts | 220 VAC-Min 5A  110 VDC-Min 2A |  |
|  | Auxiliary Relay Switching Time | <10 msec |  |
|  | Auxiliary Relay Maximum Switched Current | By Vendor |  |
|  | Terminal Type & Manufacturer | By Vendor |  |
|  | Type of Terminal | By Vendor |  |
|  | Type of Terminal Arrangement | According to “BK-GCS-PEDCO-120-EL-DG-0011” |  |
|  | Type of Interface to the System Cabinets | By Vendor |  |
|  | Auxiliary Supply for Heating & Lighting | 230 VAC |  |
|  | Interior Lighting (One per Cell) | Required |  |
|  | Type of Interior Lighting | 230 VAC. Fluorescent |  |
|  | Spare Space | At Least 20% as Per “BK-GCS-PEDCO-120-EL-DG-0011” |  |
|  | Type & Thickness of Enclosure | Sheet Steel 20 mm |  |
|  | Degree of Protection | IP 42 |  |
|  | Type of Door | Lockable-Hinged Door |  |
|  | Wire Duct | Required |  |
|  | Lifting Lug | Required |  |
|  | Gland Plate | Removable Undrilled Plate |  |
|  | Grounding Terminal | Required |  |
|  | Size of Ground Cable | 16 mm2 |  |
|  | Painting | RAL 7032 |  |

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