|  |
| --- |
| **طرح نگهداشت و افزایش تولید 27 مخزن** |
| **DATA SHEETS FOR IRP PANEL****نگهداشت و افزایش تولید میدان نفتی بینک** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 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**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |  | **PAGE** | **D00** | **D01** | **D02** | **D03** | **D04** |
| **1** | X |  |  |  |  | **51** |  |  |  |  |  |
| **2** | X |  |  |  |  | **52** |  |  |  |  |  |
| **3** | X |  |  |  |  | **53** |  |  |  |  |  |
| **4** | X |  |  |  |  | **54** |  |  |  |  |  |
| **5** |  |  |  |  |  | **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 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-100IPS-M-EL-161IPS-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 5A110 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.