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| **طرح نگهداشت و افزایش تولید 27 مخزن** |
| **MTO FOR POWER & CONTROL CABLES - MANIFOLD & W007S****نگهداشت و افزایش تولید میدان نفتی بینک** |
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| D00 | Jan. 2023 | IFI | H.Shakiba | M.Fakharian | M.Mehrshad |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
| **Class: 3** | **CLIENT Doc. Number: F8Z-708038** |
| **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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| **LV POWER CABLE** |
| * Insulation Grade - Service Voltage: 600/1000 V
 |
| * Plain Annealed Stranded Copper (Class 2)
 |
| * XLPE Insulation
 |
| * Binder Tape: If required
 |
| * Fillers : Yes
 |
| * Bedding: Extruded PVC
 |
| * Armor: Multi-Core Cables : Galvanized Steel Wire Armor (SWA)

 Single Core Cables : Aluminum Wire Armor (AWA) |
| * Other Sheath: PVC
 |
| **Item** | **Description** | **Type** | **QTY.** | **Spare**  | **Remark** |
| 1 | **CU/XLPE/LSH/PVC/SWA/PVC (Red, Yellow, Blue)** | A |  |  |  |
| 1.1 | 3C×35 mm2 | 300 | 10 |  |
| 2 | **CU/XLPE/SWA/PVC (Red, Yellow, Blue, Black)** | B |  |  |  |
| 2.1 | 4C×10 mm2 | 180 | 20 |  |
| 2.2 | 4C×4 mm2 | 300 | 10 |  |

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| **CONTROL CABLE** |
| * Insulation Grade - Service Voltage: 600/1000 V
 |
| * Plain Annealed Stranded Copper (Class 2)
 |
| * PVC Insulation
 |
| * Binder Tape: If Required
 |
| * Fillers: If Required
 |
| * Bedding: Extruded PVC
 |
| * Armor: Multi-Core Cables : Galvanized Steel Wire Armor (SWA)

 Single Core Cables : Aluminum Wire Armor (AWA) |
| * Other Sheath: PVC
 |
| **Item** | **Description** | **Type** | **QTY.** | **Spare**  | **Remark** |
| 3 | **CU/PVC/LSH/PVC/SWA/PVC (Black-Numbered)** | D |  |  |  |
| 3.1 | 10C×2.5 mm2 | 300 | 10 |  |

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| **LV POWER FOR DC CABLES** |
| - Insulation Grade - Service Voltage : 600/1000V |
| - Plain Annealed Stranded Copper |
| - XLPE Insulation |
| - Binder Tape: If Required |
| - Fillers : If Required |
| - Bedding: Extruded PVC |
| * Armor: Multi-Core Cables : Galvanized Steel Wire Armor (SWA)

 Single Core Cables : Aluminum Wire Armor (AWA) |
| - Other Sheath: PVC  |
| **Item** | **Description** | **Type** | **QTY.** | **Spare**  | **Remark** |
| 4 | **CU/XLPE/SWA/PVC (Black (-), Red (+))** | B |  |  |  |
| 4.1 | 2C×4 mm2 | 240 |  |  |
| 4.2 | 2C×25 mm2 | 120 |  |  |
| 4.3 | 2C×35 mm2 | 100 |  |  |
| 4.4 | 2C×95 mm2 | 120 |  |  |