|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **طرح نگهداشت و افزایش تولید 27 مخزن** | | | | | | |
| **NAME PLATE DWGS**  **نگهداشت و افزایش تولید میدان نفتی بینک** | | | | | | |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| V01 | JAN. 2025 | AFC | Kalaye Pump | M.Fakharian | S.Faramarzpour |  |
| V00 | NOV. 2024 | IFA | Kalaye Pump | M.Fakharian | M.Sadeghian |  |
| **Rev.** | **Date** | **Purpose of Issue/Status** | **Prepared by:** | **Checked by:** | **Approved by:** | **CLIENT Approval** |
|  | | | | | | |
| **Status:** | **IFA: Issued for Approval**  **IFI: Issued for Information**  **AFC: Approved for Construction** | | | | | |

**REVISION RECORD SHEET**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |  | **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |
| **1** | X | X |  |  |  | **66** |  |  |  |  |  |
| **2** | X | X |  |  |  | **67** |  |  |  |  |  |
| **3** | X | X |  |  |  | **68** |  |  |  |  |  |
| **4** | X | X |  |  |  | **69** |  |  |  |  |  |
| **5** | X | X |  |  |  | **70** |  |  |  |  |  |
| **6** |  | X |  |  |  | **71** |  |  |  |  |  |
| **7** |  |  |  |  |  | **72** |  |  |  |  |  |
| **8** |  |  |  |  |  | **73** |  |  |  |  |  |
| **9** |  |  |  |  |  | **74** |  |  |  |  |  |
| **10** |  |  |  |  |  | **75** |  |  |  |  |  |
| **11** |  |  |  |  |  | **76** |  |  |  |  |  |
| **12** |  |  |  |  |  | **77** |  |  |  |  |  |
| **13** |  |  |  |  |  | **78** |  |  |  |  |  |
| **14** |  |  |  |  |  | **79** |  |  |  |  |  |
| **15** |  |  |  |  |  | **80** |  |  |  |  |  |
| **16** |  |  |  |  |  | **81** |  |  |  |  |  |
| **17** |  |  |  |  |  | **82** |  |  |  |  |  |
| **18** |  |  |  |  |  | **83** |  |  |  |  |  |
| **19** |  |  |  |  |  | **84** |  |  |  |  |  |
| **20** |  |  |  |  |  | **85** |  |  |  |  |  |
| **21** |  |  |  |  |  | **86** |  |  |  |  |  |
| **22** |  |  |  |  |  | **87** |  |  |  |  |  |
| **23** |  |  |  |  |  | **88** |  |  |  |  |  |
| **24** |  |  |  |  |  | **89** |  |  |  |  |  |
| **25** |  |  |  |  |  | **90** |  |  |  |  |  |
| **26** |  |  |  |  |  | **91** |  |  |  |  |  |
| **27** |  |  |  |  |  | **92** |  |  |  |  |  |
| **28** |  |  |  |  |  | **93** |  |  |  |  |  |
| **29** |  |  |  |  |  | **94** |  |  |  |  |  |
| **30** |  |  |  |  |  | **95** |  |  |  |  |  |
| **31** |  |  |  |  |  | **96** |  |  |  |  |  |
| **32** |  |  |  |  |  | **97** |  |  |  |  |  |
| **33** |  |  |  |  |  | **98** |  |  |  |  |  |
| **34** |  |  |  |  |  | **99** |  |  |  |  |  |
| **35** |  |  |  |  |  | **100** |  |  |  |  |  |
| **36** |  |  |  |  |  | **101** |  |  |  |  |  |
| **37** |  |  |  |  |  | **102** |  |  |  |  |  |
| **38** |  |  |  |  |  | **103** |  |  |  |  |  |
| **39** |  |  |  |  |  | **104** |  |  |  |  |  |
| **40** |  |  |  |  |  | **105** |  |  |  |  |  |
| **41** |  |  |  |  |  | **106** |  |  |  |  |  |
| **42** |  |  |  |  |  | **107** |  |  |  |  |  |
| **43** |  |  |  |  |  | **108** |  |  |  |  |  |
| **44** |  |  |  |  |  | **109** |  |  |  |  |  |
| **45** |  |  |  |  |  | **110** |  |  |  |  |  |
| **46** |  |  |  |  |  | **111** |  |  |  |  |  |
| **47** |  |  |  |  |  | **112** |  |  |  |  |  |
| **48** |  |  |  |  |  | **113** |  |  |  |  |  |
| **49** |  |  |  |  |  | **114** |  |  |  |  |  |
| **50** |  |  |  |  |  | **115** |  |  |  |  |  |
| **51** |  |  |  |  |  | **116** |  |  |  |  |  |
| **52** |  |  |  |  |  | **117** |  |  |  |  |  |
| **53** |  |  |  |  |  | **118** |  |  |  |  |  |
| **54** |  |  |  |  |  | **119** |  |  |  |  |  |
| **55** |  |  |  |  |  | **120** |  |  |  |  |  |
| **56** |  |  |  |  |  | **121** |  |  |  |  |  |
| **57** |  |  |  |  |  | **122** |  |  |  |  |  |
| **58** |  |  |  |  |  | **123** |  |  |  |  |  |
| **59** |  |  |  |  |  | **124** |  |  |  |  |  |
| **60** |  |  |  |  |  | **125** |  |  |  |  |  |
| **61** |  |  |  |  |  | **126** |  |  |  |  |  |
| **62** |  |  |  |  |  | **127** |  |  |  |  |  |
| **63** |  |  |  |  |  | **128** |  |  |  |  |  |
| **64** |  |  |  |  |  | **129** |  |  |  |  |  |
| **65** |  |  |  |  |  | **130** |  |  |  |  |  |

1. **INTRODUCTION**

Binak oilfield in Bushehr province is a part of the southern oilfields of Iran, is located 20 km northwest of Genaveh city.

With the aim of increasing production of oil from Binak oilfield, an EPC/EPD Project has been defined by NIOC/NISOC and awarded to Petro Iran Development Company (PEDCO). Also, PEDCO (as General Contractor) has assigned the EPC-packages of the Project to "Hirgan Energy - Design and Inspection" JV.

1. **GENERAL DEFINITION**

The following terms shall be used in this document.

|  |  |
| --- | --- |
| CLIENT: | National Iranian South Oilfields Company (NISOC) |
| PROJECT: | Binak Oilfield Development – Supply Of Fire Water Pumps |
| EPD/EPC CONTRACTOR (GC): | Petro Iran Development Company (PEDCO) |
| EPC CONTRACTOR/PURCHASER: | Joint Venture of: Hirgan Energy – Design & Inspection (D&I) Companies |
| VENDOR: | Kalaye Pump Company |
| EXECUTOR: | Executor is the party which carries out all or part of construction and/or commissioning for the project. |
| TPI: | Third Party Inspector. |
| SHALL: | Is used where a provision is mandatory. |
| SHOULD: | Is used where a provision is advisory only. |
| WILL: | Is normally used in connection with the action by CLIENT rather than by an EPC/EPD CONTRACTOR, supplier or VENDOR. |
| MAY: | Is used where a provision is completely discretionary. |

1. **Scope**

The scope of this executive instruction includes all projects of Kalay-E-Pump Company and other common productions.

|  |  |
| --- | --- |
| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711  E-mail : i[nfo@kalayepump.com](mailto:nfo@kalayepump.com) Tehran–Iran | |
| Mfr. Bearing Identification Number :  **-** | Item Number: **P-2301 B** |
| Job No: **7-5093** |
| Serial No. : **FD.150570.402.1** | Pump Type /Size : **Horizontal Split Case; 8 " \* 6 "** |
| weight (kg) : **-** |
| Power (kw) : **308** | Model Pump:  **KPSPFD 150-570** |
| Speed(rpm): **1490** | Capacity (m3/h) : **454.2** |
| Liquid : **Fire water** | Diff. Head (m) : **105** |
| Temp basis for MAWP(° C) : **Amb** | MAWP. (barg) : **15** |
| Production Date : **2024** | Hydro Test Press. (barg) : **22.5** |

|  |  |
| --- | --- |
| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711  E-mail : i[nfo@kalayepump.com](mailto:nfo@kalayepump.com) Tehran–Iran | |
| Mfr. Bearing Identification Number :  **-** | Item Number: **P-2301 A** |
| Job No: **7-5093** |
| Serial No. : **FE.150570.402.2** | Pump Type /Size : **Horizontal Split Case; 8 " \* 6 "** |
| weight (kg) : **-** |
| Power (kw) : **250** | Model Pump:  **KPSPFE 150-570** |
| Speed(rpm): **1490** | Capacity (m3/h) : **454.2** |
| Liquid : **Fire water** | Diff. Head (m) : **105** |
| Temp basis for MAWP(° C) : **Amb** | MAWP. (barg) : **15** |
| Production Date : **2024** | Hydro Test Press. (barg) : **22.5** |

|  |  |
| --- | --- |
| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711  E-mail : i[nfo@kalayepump.com](mailto:nfo@kalayepump.com) Tehran–Iran | |
| Mfr. Bearing Identification Number :  **-** | Item Number: **P-2302 A** |
| Job No: **7-5093** |
| Serial No. : **OH.2532.402.5** | Pump Type /Size : **Horizontal Split Case; 2 " \* 1 "** |
| weight (kg) : **-** |
| Power (kw) : **18.5** | Model Pump:  **KP 2532** |
| Speed(rpm): **2950** | Capacity (m3/h) : **15** |
| Liquid : **Fire water** | Diff. Head (m) : **105** |
| Temp basis for MAWP(° C) : **Amb** | MAWP. (barg) : **15** |
| Production Date : **2024** | Hydro Test Press. (barg) : **22.5** |

|  |  |
| --- | --- |
| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711  E-mail : i[nfo@kalayepump.com](mailto:nfo@kalayepump.com) Tehran–Iran | |
| Mfr. Bearing Identification Number :  **-** | Item Number: **P-2302 B** |
| Job No: **7-5093** |
| Serial No. : **OH.2532.402.6** | Pump Type /Size : **Horizontal Split Case; 2 " \* 1 "** |
| weight (kg) : **-** |
| Power (kw) : **18.5** | Model Pump:  **KP 2532** |
| Speed(rpm): **2950** | Capacity (m3/h) : **15** |
| Liquid : **Fire water** | Diff. Head (m) : **105** |
| Temp basis for MAWP(° C) : **Amb** | MAWP. (barg) : **15** |
| Production Date : **2024** | Hydro Test Press. (barg) : **22.5** |

Note:

* Installation method : Rivet
* Material of fixing pins (rivet) : SA-240 TP 316L
* Material of Construction : SA-240 TP 316L
* Dimension of name plate : 100 \* 65 \* 1 mm
* Data will be engraved on the plate.

Rotation arrow name plate:

* Dimension of name plate : 40 \* 10 \* 0.75 mm

Reference:

-DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN DIESEL PUMP

Doc No.: BK-GCS-KP-120-ME-DS-0001

-DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER MAIN ELECTRICAL PUMP

Doc No.: BK-GCS-KP-120-ME-DS-0002

- DATA SHEETS (W/PERFORMANCE CURVE) FOR FIRE WATER JOCKEY PUMPS

Doc No.: BK-GCS-KP-120-ME-DS-0003

- GAD FOR FIRE WATER MAIN DIESEL PUMPS , Doc No.: BK-GCS-KP-120-ME-DW-0001

- GAD FOR FIRE WATER MAIN ELECTRICAL PUMP , Doc No.: BK-GCS-KP-120-ME-DW-0002

- GAD FOR FIRE WATER JOCKEY PUMPS , Doc No.: BK-GCS-KP-120-ME-DW-0003