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| **طرح نگهداشت و افزایش تولید 27 مخزن** |
| **NAME PLATE DWGS****نگهداشت و افزایش تولید میدان نفتی بینک** |
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| 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**

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| **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |  | **PAGE** | **V00** | **V01** | **V02** | **V03** | **V04** |
| **1** | X | X |  |  |  | **66** |  |  |  |  |  |
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| **3** | X | X |  |  |  | **68** |  |  |  |  |  |
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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.

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| 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.

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| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711 E-mail : info@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** |

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| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711 E-mail : info@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** |

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| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711 E-mail : info@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** |

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| C:\Users\nhamzehpour\Desktop\New folder\KPC LOGO.jpgArm-Anor Tel Fax : 0098(21)33914711 E-mail : info@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