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| pdo_logo | **Petroleum Development Oman** |

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| **LIFT PLAN FOR LIFTING OPERATION** |

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| **PROJECT** |  | | |
| **ACTIVITY** |  | | |
| **CONTARCTOR** |  | | |
| **Lifting Category** | **Routine / Non routine** | Location / RIG No |  |
| **OBJECTIVE** | To ensure the safety of the personnel/ equipment/ asset involved in lifting activities | | |
| **MANPOWER** | * Deploy competent individuals with valid competence card * A designated lifting supervisor (person in charge PIC and banks man) | | |
| **RESPONSIBILITIES** | **Signaller:** Co-ordinate the lifting movements and maintains radio- and/or visual communication with crane operator and persons close to the load  **Slinger:** Inspect the rigging, select rigging to suit the load, install the accessories and connect/disconnect the load  **Lifting supervisor (PIC):** Co-ordinate and control all aspects of lifting operations on site. (Banks man can be the lifting supervisor for routine lift). To ensure lifting operation is implementing according to the Lift plan)  **Crane Operator:** Pre-use inspection of crane and rig up of the crane**;** operating the crane and performthe lift in a safe manner taking the signals from the Banks man / Signaller only, unless in an emergency. | | |
| **LIFTING EQUIPMENT** | All Lifting Equipment carry out the actual lifting shall have a valid third-party certification as per SP2275. | | |

**IF IN DOUBT – STOP THE JOB AND ASK**

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| 1. **Load Details** | | | | | | | | | | | | | | | | | | |
| Total Weight | |  | | | | | Load Dimensions | |  | | | Type of Load | | | |  | | |
| **Method (s) Of Communication to be used** 🞏 Radio 🞏 Verbal 🞏 Hand Signals | | | | | | | | | | | | | | | | | | |
| 1. **Lifting Accessories: Current Color Code=** | | | | | | | | | | | | | | | | | | |
| **Crane-1** | | | | | | | | | **Crane-2** | | | | | | | | | |
| Qty | Description | | | | SWL | | | Weight | Qty | | Description | | | | SWL | | | Weight |
|  |  | | | |  | | |  |  | |  | | | |  | | |  |
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| **Total Rigging Weight** | | | | | | | |  | **Total Rigging Weight** | | | | | | | | |  |
| 1. **Rigging method:** | | | | | | | | | | | | | | | | | | |
| Vertical Hitch 🞏 | | | | Bridle Hitch with eye pads 🞏 | | | | | | Choker Hitch 🞏 | | | | Basket Hitch 🞏 | | | | |
| 1. **Crane and Load Chart Details** | | | | | | | | | | | | | | | | | | |
| **CRANE-1** | | | | | | | | | **CRANE-2** | | | | | | | | | |
| Crane SWL | | |  | | | | | | Crane SWL | | | |  | | | | | |
| Gross Weight of Crane | | |  | | | | | | Gross Weight of Crane | | | |  | | | | | |
| Hook Block Weight | | |  | | | | | | Hook Block Weight | | | |  | | | | | |
| Required Boom Length | | |  | | | | | | Required Boom Length | | | |  | | | | | |
| Maximum Radius | | |  | | | | | | Maximum Radius | | | |  | | | | | |
| Capacity @Max Radius | | |  | | | | | | Capacity @Max Radius | | | |  | | | | | |
| **Crane Utilization (%)** | | |  | | | | | | **Crane Utilization (%)** | | | |  | | | | | |
| 1. **Ground Bearing Pressure (For Non-routine complex)** | | | | | | | | | | | | | | | | | | |
| Maximum Site Ground Bearing Capacity: | | | | | | | | | | | | | | | | | | |
| **CRANE-1** | | | | | | | | | **CRANE-2** | | | | | | | | | |
| Gross Weight (Crane + Hook block + Rigging + Load) | | | | | |  | | | Gross Weight (Crane + Rigging + Load) | | | | | | | |  | |
| Out rigger spreader mat size & type | | | | | |  | | | Out rigger spreader mat size & type | | | | | | | |  | |
| Gross Weight/ Area of mat | | | | | |  | | | Gross Weight/ Area of mat | | | | | | | |  | |
| Ground Bearing Pressure | | | | | |  | | | Ground Bearing Pressure | | | | | | | |  | |
| NOTE: Ground Bearing Pressure shall not exceed the Maximum Site Ground Bearing Capacity | | | | | | | | | | | | | | | | | | |
| 1. **Support document** | | | | | | | | | | | | | | | | | | |
| * Sketch and rigging arrangement. * Specific load chart * Task risk assessment\* * Lifting crew competence cards * Lifting equipment inspection certificates i.e. cranes and lifting gears.   \*For Non routine operation step-by-step instruction with a specific TRA shall be attached. | | | | | | | | | | | | | | | | | | |

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| 1. **Steps of lifting operation:** |

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| 1. **Sketch and rigging arrangement.** |

**10 QUESTIONS FOR A SAFE LIFT**

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| **NO** | **DESCRIPTION** | **Yes** | **No** |
| 01 | Is everyone aware of and do they fully understand the lifting procedures? |  |  |
| 02 | Has everyone attended the toolbox talk? |  |  |
| 03 | Has a pre-use inspection of the Lifting Equipment been carried out and are the Lifting Accessoriestagged or marked with:  - Safe Working Load  - A unique identification number  - A valid certification date |  |  |
| 04 | Are all safety devices working? |  |  |
| 05 | Does everyone know the lifting supervisor of the lift? |  |  |
| 06 | Is everyone competent and aware of his or her tasks? |  |  |
| 07 | Is there a current Lift Plan and risk assessmentand does everybody understand the job and precautions? |  |  |
| 08 | Is everyone aware about environmental limits (e.g. maximum permissible wind speed) for the lift? |  |  |
| 09 | Is the lift area controlled and is the lifting path clear? |  |  |
| 10 | Are signalling methods and communication agreed and understood? |  |  |

**Note**: Never start any lifting operation until all concerned have been briefed in a Pre-Start Meeting, ensuring that they understand their role and responsibilities and that they have signed onto the Permit-to-Work or record of attendance at the Pre-Start Meeting.

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| **Approval** | | | | |
|  | **Name** | **Signature** | **Date** | **Valid until** |
| **Lift plan preparer** |  |  |  |  |
| **Approved by** |  |  |  |  |

**Note**: Generic / Routine lift plan can be reviewed and approved by contractor qualified appointed person.