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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/BT-1A/DPR-73****Dated:*** *07-03-2017* |
| **Client** | Oman DP | **Consultant** | AZD Engineering Consultancy |
| **Contractor** | Lalbuksh Voltas Engineering | **Sub-contractor** | Geo-Solutions Engineering |
| **Subject**  | Daily Progress Report |  |
| **Project** | **Phase-1: OmanDP -** Scientific Drilling Programme for Oman Drilling Project in Ash Sharqiyah North Governorate and Ad Dakhiliyah Governorate |

**DAILY PROGRESS REPORT**

**(Dated: 7th of March 2017)**

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| **Rig-1 (Dynatech)** |
| ***LOCATION AND TARGET:*** |
| **Drill Hole ID** | **BT-1B**  | **Location** | **Wadi Mansah** |
| **Coordinates** | UTM 622731.0E 2583675.0N | **Elevation** | **-** |
| **Azimuth** | N30° | **Inclination** | Inclined 75° |
| **Drilling** | HQ Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth**  | 400 mtrs | **Geol. Target** | Altered Peridotites-Basal Thrust |
| ***DRILLING:*** |
| **Drilling Status**  | Started to drill with HQ drill bit and also reaming the hole with HW casing along with it from GL-6mbgl. Continued drilling with HQ drill bit up to 11.75mbgl. |
| **Penetration Rate**  | Variable; between 75-90min for 3.05m core |
| **Bit Rotation**  | Variable; average 350rpm |
| **Fluid Circulation**  | 60-70%; Partial loss |
| **Total Drill Run**  | 8; being of 2.6,1,0.6,1.2,0.2, 0.3, 2.8 and 3.05m each |
| **Today’s Drilling**  | **11.75m** |
| **Cumulative Total**  | **11.75m** *(1.9m for BT-1A)* |
| ***CORE CURATION:*** |
| **Core Recovery, Photography, Marking, Sectioning, Scanning, Labeling, Sketching, Description, Sampling, Packing and Storage etc., being performed as per the standard procedure of ICDP.****Brief Lithology: - Wadi sand and gravel followed by pebbles/cobbles mixed with clay is in turn followed by the presence of Part of Ophiolite consisting of Peridotite mainly consisting of micro to coarse crystalline strong, reddish brown to at places off white and gray fresh to oxidized and altered carbonated/siliceous Listvanite, consisting of abundance of magnesite, dolomite and some calcite veins all over.** |
| ***PERSONNEL ONSITE:*** |
| **ODP :** Peter Kelemen, Jude Coggon, David Zeko, Danial Nothaft, Romain Lafay and Americus Perez, Craig Manning**AZD :** Nehal Hasan Warsi**LBV :** Gopi Krishnan**GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Sadiq and water tanker driver.**Others:** |
| ***REMARKS:***  |
| **\*Heavy water loss in the top zone leads to shortage in water availability at times.****\*Core saw not working; sent to Muscat for repairing.** |

Best Regards,

**Nehal H Warsi**

*Site Geologist, AZD Engineering Consultancy*

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