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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/BT-1B/DPR-79****Dated:*** *13-03-2017* |
| **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: 13th of March 2017)**

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| **Rig-1 (Dynatech)** |
| ***LOCATION AND TARGET:*** |
| **Drill Hole ID** | **BT-1B**  | **Location** | **Wadi Mansah** |
| **Coordinates** | UTM 620988E 2584403N | **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**  | RIH the HQ drill assembly and continued drilling from 94.10mbgl to 112.40mbgl.  |
| **Penetration Rate**  | Variable; between 50-110min for 3.05m core |
| **Bit Rotation**  | Variable; average 600rpm |
| **Fluid Circulation**  | Complete loss of circulation  |
| **Total Drill Run**  | 7; 5 being of 3.05m; and others of 2 and 1.05m |
| **Today’s Drilling**  | **18.30m** |
| **Cumulative Total**  | **112.40m** *(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: - Ophiolite consisting of altered Peridotite mainly consisting of dark greenish gray to black Serpentinite with abundance of magnesite veins up to 98.10m gradually transforming to the zone of calcic magnesium silicate rich, micro to coarse crystalline strong, reddish brown to mostly off white cream color and greenish gray fresh to altered, carbonated to siliceous Listvanite, presence of fuchsite and talc at places; at places fractured with crystal overgrowths** |
| ***PERSONNEL ONSITE:*** |
| **ODP :** Peter Kelemen, Jude Coggon, Craig Manning, David Zeko, Romain Lafay, Americus Perez, Juan Carlos, Nicholas Bompard, Danial Nothaft**AZD :** Nehal Hasan Warsi**LBV :** Gopi Krishnan**GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Sadiq and water tanker driver.**Others:** *MRMWR: Engr. Shihab al Balushi and Engr. Hamoud Al Siyabi* |
| ***REMARKS:***  |
| \* French Researcher with Japanese Students visit the drill site and areas around. |

Best Regards,

**Nehal H Warsi**

*Site Geologist, AZD Engineering Consultancy*

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