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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/BT-1A/DPR-75****Dated:*** *09-03-2017* |
| **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: 9th 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**  | Continued drilling with HQ drill bit from 30.05mbgl and drilled up to 51.40mbgl. ***Drill bit charging;* POOH the drill assembly and used chisel and hammer onto smoothened bit for exposing the second layer of impregnated diamonds in the bit after at 15:15 hrs; RIH and continued drilling later.** |
| **Penetration Rate**  | Variable; between 40-55min for 3.05m core |
| **Bit Rotation**  | Variable; average 500rpm |
| **Fluid Circulation**  | 40-50% and later complete loss of circulation from 31mbgl |
| **Total Drill Run**  | 8; 6 being of 3.05m; and others 2 of 0.6 and 2.35m each |
| **Today’s Drilling**  | **21.35m** |
| **Cumulative Total**  | **51.40m** *(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 micro to coarse crystalline strong, reddish brown to at places off white and greenish gray fresh to oxidized and altered carbonated to highly siliceous Listvanite, comprising of abundance of magnesite, dolomite and some calcite veins all over, presence of fuchsite and talc at places.** |
| ***PERSONNEL ONSITE:*** |
| **ODP :** Peter Kelemen, Jude Coggon, Craig Manning, David Zeko, Danial Nothaft, Romain Lafay and Americus Perez **AZD :** Nehal Hasan Warsi**LBV :** Gopi Krishnan**GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Sadiq and water tanker driver.**Others:*****Sultan Qaboos University, Muscat:* A group of twenty students along with Prof Sobhi Nasser and others associates visited the drill site.** |
| ***REMARKS:***  |
| **\**Visitors Onsite:* Visiting professors from GuTech visited the site.** |

Best Regards,

**Nehal H Warsi**

*Site Geologist, AZD Engineering Consultancy*

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