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| **To,**  **Prof. Juerg M. Matter**  Project Director, ODP | | ***Doc. No.:*** *AZD/ODP/BT-1B/DPR-84*  ***Dated:*** *18-03-2017* | |
| **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: 18th of March 2017)**

|  |  |  |  |
| --- | --- | --- | --- |
| **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** | Continued to drill with NQ drill bit from 170.15m and drilled up to 199.00mbgl. | | |
| **Penetration Rate** | Variable; between 40-55min for 3.05m core | | |
| **Bit Rotation** | Variable; average 600rpm | | |
| **Fluid Circulation** | Yes; 80 % | | |
| **Total Drill Run** | 10; 9 being of 3.05m and 1 of 1.4m | | |
| **Today’s Drilling** | **28.85m** | | |
| **Cumulative Total** | **199.0m** *(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: - Ophiolites consisting of altered Peridotite mainly consisting of calcic, magnesium carbonate- silicate rich, micro to coarse crystalline strong, mostly reddish brown to greenish gray fresh to altered, oxidized, Listvanite; mostly brecciated, presence of most fuchsite, at places fractured; changing to greenish to dark green Serpentinite with abundance of veins, shearing, brecciated at places from 181.25 to 185.55m eventually changing again to listevnite showing silica rich zone between 191.75- 192.45. Faulted, mylonite zone between 196.50 to 198m followed by fractured rock.** | | | |
| ***PERSONNEL ONSITE:*** | | | |
| **ODP :** Peter Kelemen, Jude Coggon, Craig Manning, David Zeko, Romain, Americus Perez, Juan Carlos **AZD :** Nehal Hasan Warsi  **LBV :** Gopi Krishnan  **GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Sadiq and water tanker driver.  **Others:** | | | |
| ***REMARKS:*** | | | |
| \* A group of GuTech Students led by Anna Jesus and other teachers visit the drill site and nearby areas. | | | |

Best Regards,

**Nehal H Warsi**

*Site Geologist, AZD Engineering Consultancy*

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