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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/GT-3A/DPR-60****Dated:*** *22-02-2017* |
| **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: 22nd of February 2017)**

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| **Rig-1 (Dynatech)** |
| ***LOCATION AND TARGET:*** |
| **Drill Hole ID** | **GT-3A**  | **Location** | **Wadi Abdah** |
| **Coordinates** | UTM: 624193.0E 2556476.0N | **Elevation** | **-** |
| **Azimuth** | **-** | **Inclination** | 90º/ Vertical |
| **Drilling** | HQ Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth**  | 400 mtrs | **Geol. Target** | Gabbro-Sheeted Dyke Transition |
| ***DRILLING:*** |
| **Drilling Status**  | **Continued to drill further deep with HQ drill bit from 242.20m to 257.30mbgl.** System pressure keeps on increasing. With high torque and high load on rig engine, it’s difficult to drill further with HQ amid uncased hole and with no fluid circulation. So decided to POOH the HQ drill assembly, install NC casing with shoe bit and RIH the NQ drill assembly to drill further.  |
| **Penetration Rate**  | Variable; between 35-100 min for 3m core run |
| **Bit Rotation**  | Variable; average 400 rpm |
| **Fluid Circulation**  | Total loss of circulation continues |
| **Total Drill Run**  | 6; five of 3m and one of 0.10m |
| **Today’s Drilling**  | **15.10m** |
| **Cumulative Total**  | **257.30m (HQ)** |
| ***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 various episodes of dyke or diabase unit composed of fine grained to aphanitic-chilled margin, grayish green, compact groundmass with visible phenocryst, moderately strong to strong, laumantite veins; presence of hydrothermal alteration all over. Fresh to weathered moderately strong to strong gabbro at different intervals at places with patches of diabase in it.** |
| ***PERSONNEL ONSITE:*** |
| **ODP :** Christopher MacLeod, Antony Morris, Juergen Koepke, Louise Koornneef, Nicholas Bompard**AZD :** Nehal Hasan Warsi**LBV :** Gopi Krishnan**GSE :** Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin**Others:** *Geologist Engineers from Public Authority of Mining:* Salem al Humaimi and Saif al Shahri |
| ***REMARKS:***  |
| **\*** Johan Lissenberg, Lyderic France, Emma Bennett, Marine Boulamger andJuergen Koepke leave site.\* *Mohammed Amer Al Hajri (Manager) and Saeed al Qanubi (Assistant Officer) from the Department of Environment and Climate Affairs, the Governorate of North-east Ibra visit the drill site.* |

Best Regards,

**Nehal H Warsi**

# *Site Geologist, AZD Engineering Consultancy*

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