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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/GT-3A/DPR-59****Dated:*** *21-02-2017* |
| **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: 21st 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 218.20m to 242.20mbgl.**  |
| **Penetration Rate**  | Variable; between 45-90 min for 3m core run |
| **Bit Rotation**  | Variable; average 400 rpm |
| **Fluid Circulation**  | Total loss of circulation continues |
| **Total Drill Run**  | 8; each one of 3m |
| **Today’s Drilling**  | **24.00m** |
| **Cumulative Total**  | **242.20m (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 strong gabbro cutting across at 238.95m and continue up to end with patches of diabase in it; prior to gabbro a strong zone of granoblastic transition zone for about 5m is also seen.** |
| ***PERSONNEL ONSITE:*** |
| **ODP :** Johan Lissenberg, Lyderic France, Emma Bennett, Louise Koornneef, Marine Boulamger,Juergen Koepke, Antony Morris, Christopher MacLeod**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:***  |
| **\*** Christopher MacLeod arrives onsite.\* Recovery of 2.75m intact core of dyke-gabbro transition. |

Best Regards,

**Nehal H Warsi**

# *Site Geologist, AZD Engineering Consultancy*

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