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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/GT-1A-3A/WR-07****Dated:*** *11-02-2017* |
| **Client** | OmanDP | **Consultant** | AZD Engineering Consultancy |
| **Contractor** | Lalbuksh Voltas Engineering | **Sub-contractor** | Geo-Solutions Engineering |
| **Subject**  | **Weekly Progress Report** |  |
| **Project** | **Phase-1: OmanDP -** Scientific Drilling Programme for Oman Drilling Project in Ash Sharqiyah North Governorate and Ad Dakhiliyah Governorate. |

**WEEKLY PROGRESS REPORT-07**

**(04th of February-11th of February 2017)**

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| ***LOCATION DETAILS:*** |
| **Rig ID** | Rig-1 (Dynatech) | **Drilling Method** | Wire line; Diamond Core Drill  |
| **Drill Hole ID** | **GT-1A/GT-3A**  | **Location** | Wadi Gideah/Wadi Abdah |
| **Coordinates** | UTM: E655373.7 N2532417.3 | **Elevation** |  |
| **Azimuth** |  | **Inclination** | 90º/ Vertical |
| **Drilling** | HQ/NQ Size | **Method** | Wire line-Diamond Core Drilling |
| **Target Depth**  | 400 mtrs | **Geol. Target** | Gabbro-Hydrothermal Fault Zone |

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| ***WEEKLY SUMMARY:*** |
| **Week** | **DH ID** | **Drilling Location** | **Core Size** | **Drilling Week** | **Weekly Drilling (meters)** | **Average Drilling** |
| *From* | *To* | *HQ* | *NQ* | *Total* | *(Mtr/day)* |
| 01 | GT-2A | Wadi Gideah | HQ | 25-12-16 | 31-12-16 | 115.40 | - | 115.40 | 16.49 |
| 02 | GT-2A | Wadi Gideah | HQ/NQ | 01-01-17 | 07-01-17 | 34.30 | 47.70 | 82.00 | 11.71 |
| 03 | GT-2A | Wadi Gideah | NQ | 08-01-17 | 14-01-17 | - | 135.00 | 135.00 | 19.29 |
| 04 | GT-2A | Wadi Gideah | NQ | 15-01-17 | 21-01-17 | - | 67.60 | 67.60 | 09.66 |
| 05 | GT-1A | Wadi Gideah | HQ | 22-01-17 | 28-01-17 | 134.70 | - | 134.70 | 19.24 |
| 06 | GT-1A | Wadi Gideah | HQ/NQ | 29-01-17 | 04-02-17 | 117.00 | 46.85 | 163.85 | 23.40 |
| **07** | **GT-1A/ GT-3A** | **Wadi Gideah Wadi Abdah** | **NQ HQ** | **05-02-17** | **11-02-17** | **-****02.70** | **101.45****-** | **104.15** | **14.87** |
|  | ***Grand Total*** | ***404.10*** | ***398.60*** | ***802.70*** | ***16.381*** |

***\*****This week drilling is less compared to the past week because of the drill-hole completion and shifting to new location. The Average daily drilling based on seven weeks (49 days) is* ***16.381*** *now viz. better than the minimum required project average i.e.* ***14.95m/day****.*

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| ***WEEK 07: DAILY DRILLING*** |
| **Date** | **Drilling (Meters)** | **Core Size** | **Remarks** |
| **From (m)** | **To (m)** | **Total** | **(HQ/NQ)** |
| 05-02-2017 | 298.55 | 314.50 | 15.95 | NQ | Continued drilling with NQ drill bit; PooH NQ drill assembly; changed drill bit and RIH the drill pipes to drilled depth; Partial loss circulation |
| 06-02-2017 | 314.50 | 344.30 | 29.80 | NQ | Continued drilling with NQ drill bit ; Partial loss circulation |
| 07-02-2017 | 344.30 | 371.75 | 27.45 | NQ | Continued drilling with NQ drill bit ; Partial loss circulation |
| 08-02-2017 | 371.75 | 400.00 | 28.25 | NQ | Continued drilling with NQ drill bit; Partial loss circulation; Drilling Completed. |
| 09-02-2017 | - | - | - | - | POOH the NQ drill assembly, NC casing and HW casing. Rig and other drilling equipment being moved from location to GT-3 in progress. |
| 10-02-2017 | - | - | - | - | Rig and other drilling equipments transported from location GT-1A to GT-3A. |
| 11-02-2017 | 0.00 | 02.70 | 02.70 | HQ | Rig setup at GT-3A drill point; Prepared for HQ drilling; Started to drill a vertical hole with HQ core  |
| ***WEEK 07: OTHER WORKS*** |
| * Core Recovery, Photography, Marking, Sectioning, Scanning, Labeling, Sketching, Description, Sampling, Packing and Storage etc., being performed as per the standard procedure of ICDP.
* GT-3 access road and site preparation is completed.
* Rig and other drilling equipment moved from location GT-1A to GT-3.
* Site Camp and Office Set-up at new location GT-3A
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| ***WEEK 07: SITE ISSUES*** |
| **Contractual Issues**  | ***\*Communication Issue:*** *Not Solved* |
| **Drilling/ Technical Issues**  | **\***Problem in drilling with NQ drill bit; *Solved;* PooH NQ drill assembly; changed drill bit and RIH the drill pipes to drilled depth; **\***Drilling meterage difference with NQ and HQ: *Solved:* Different lengths of HQ/NQ drill pipes ascertained. |
| **Health & Safety Issues** | ***\*Communication Issue:*** *Not Solved*; It does also come under safety issue in case of any emergency. |
| **Other Issues** | **\***Lalvol Truck breakdown; delay to transport GT-1A core boxes to Muscat. |

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| ***WEEK 07: DETAILS OF ONSITE PERSONNEL*** |
| **ODP** | Jude Coggon, Michelle Harris, Anna Jesus (Dep.), Nicholas Bompard, Julie Noel, Juerg Matter and Damon Teagle |
| **AZD** | Nehal H Warsi |
| **LBV** | Gopi Krishnan |
| **GSE** | Sheikh Olliullah (D); Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin and LDD;HDD for water tanker |
| **Others** | ***Students from GUTech:*** Mariya Al Balushi, Zahra Al Lawati |
| **Visitors** | Engr. Abdullah and Engr. Sulaiman from Ibra Municipality visit the GT-1A drill site. |

Regards,

**Nehal H Warsi**

*Site Geologist,*

*AZD Engineering Consultancy*

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