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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/GT-1A/WR-06****Dated:*** *04-02-2017* |
| **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-06**

**(29th of January-04th 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**  | **Location** | Wadi Gideah |
| **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** |
|  | ***Grand Total*** | ***401.40*** | ***297.15*** | ***698.55*** | ***16.632\**** |

***\*****It has been so far the best week in terms of drilling meterage. The highest meterage in a single day is* ***35m*** *and the average for a week is* ***23.40m/d****. The Average daily drilling based on six weeks (42 days) is* ***16.632*** *now viz. better than the minimum required project average i.e.* ***14.95m/day****.*

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| ***WEEK 06: DAILY DRILLING*** |
| **Date** | **Drilling (Meters)** | **Core Size** | **Remarks** |
| **From (m)** | **To (m)** | **Total** | **(HQ/NQ)** |
| 29-01-2017 | 134.70 | 164.70 | 30.00 | HQ | Continued drilling with HQ drill bit ; Partial loss of circulation |
| 30-01-2017 | 164.70 | 199.70 | 35.00 | HQ | Continued drilling with HQ drill bit; Partial loss of circulation;*Highest drill meterage in a single day*  |
| 31-01-2017 | 199.70 | 227.70 | 28.00 | HQ | Continued drilling with HQ drill bit ; Partial loss of circulation |
| 01-02-2017 | 227.70 | 251.70 | 24.00 | HQ | Continued drilling with HQ drill bit ; Partial loss of circulation;  |
| 02-02-2017 | 251.70 | 255.85 | 4.15 | NQ | PooH HQ drill assembly and installed NC casing; RIH NQ drill assembly and started drilling with NQ drill bit from 251.7mbgl. |
| 03-02-2017 | 255.85 | 265.00 | 09.15 | NQ | Continued drilling with NQ drill bit; Partial loss of circulation |
| 04-02-2017 | 265.00 | 298.55 | 33.55 | NQ | Continued drilling with NQ drill bit; Partial loss of circulation |
| ***WEEK 06: 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.
* Drill permit for the BT-1 site has been obtained by contractor.
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| ***WEEK 06: SITE ISSUES*** |
| **Contractual Issues**  | ***\*Communication Issue:*** *Not Solved* |
| **Drilling/ Technical Issues**  | **\***Driller feels that the abundant fractures and fault zone which cut across before may be problematic for deep drilling with HQ and safety of the drilling equipments; So, looking at the problems faced while drilling, in consultation with client it has been decided to change further to NQ. **\***After PooH HQ drill assembly and installation of NC casing; RIH of NQ drill assembly started which started to drill before it should have, in principle. Measurement of HQ and NQ drill pipes were taken and it was realized that the two drill pipes manufactured by two different companies are of no same standard length with HQ-ones being 3m and NQ ones measuring 3.05m. Hence the total difference in the length of drill pipes used were calculated and adjustment made. |
| **Health & Safety Issues** | ***Communication Issue:*** *Not Solved*; It does also comes under safety issue in case of any emergency.Cold wave and Cloudy weather for couple of days; Measures taken to safeguard the site personnel, site camp, site office and core storage. |
| **Other Issues** | None |

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| ***WEEK 06: DETAILS OF ONSITE PERSONNEL*** |
| **ODP** | Jude Coggon, Benoit Ildefonse (Dep.), Anna Jesus, Nicholas Bompard, Julie Noel (Arr.) and Juerg Matter (Arr.) |
| **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:*** Maisa Hamed Al Busaidi and Nidhal Abdullah Al Jahwari |
| **Visitors** | No visitors this week except some locals |

Regards,

**Nehal H Warsi**

*Site Geologist,*

*AZD Engineering Consultancy*

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