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| **To,** **Prof. Juerg M. Matter** Project Director, ODP | ***Doc. No.:*** *AZD/ODP/BT-1B/WR-13****Dated:*** *23-03-2017* |
| **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-13**

**(19th -23rd of March 2017)**

**#** Five days

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| ***LOCATION DETAILS:*** |
| **Rig ID** | Rig-1 (Dynatech) | **Drilling Method** | Wire line; Diamond Core Drill  |
| **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 **/***Completed at 300m* | **Geol. Target** | Altered Peridotites-Basal Thrust |

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| ***UPDATED 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 |
| 08 | GT-3A | Wadi Abdah | HQ | 12-02-17 | 18-02-17 | 158.50 | - | 158.50 | 22.64 |
| 09 | GT-3A | Wadi Abdah | HQ/NQ | 19-02-17 | 25-02-17 | 96.10 | 32.00 | 128.10 | 18.30 |
| 10 | GT-3A | WadiAbdah | NQ | 26-02-17 | 04-03-17 | - | 110.70 | 110.70 | 15.81 |
| 11 | BT-1B | Wadi Mansah | HQ | 05-03-17 | 11-03-17 | 71.45 | - | 71.45 | 10.20 |
| 12 | BT-1B | Wadi Mansah | HQ-NQ | 12-03-17 | 18-03-17 | 31.90 | 95.65 | 127.55 | 18.22 |
| ***13*** | ***BT-1B*** | ***Wadi Mansah*** | ***NQ*** | ***19-03-17*** | ***23-03-17*** | ***-*** | ***101.00*** | ***101.00*** | ***20.20*** |
|  | ***Grand Total*** | ***762.05*** | ***737.95*** | ***1500.0*** | ***16.85*** |

***\*****This week (Five days), average daily drilling is* ***20.20m/d.*** *The Average daily drilling based on 13 weeks# (12 weeks and 5 days) is* ***16.85m/d*** *now which is better than the minimum required project average i.e.* ***14.95m/day.*** *That’s one of the reason project completed before time.*

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| ***WEEK 13: DAILY DRILLING*** |
| **Date** | **Drilling (Meters)** | **Core Size** | **Remarks** |
| **From (m)** | **To (m)** | **Total** | **(HQ/NQ)** |
| 19-03-2017 | 199.00 | 228.10 | 29.10 | NQ | Continued to drill with NQ drill bit; No LoC |
| 20-03-2017 | 228.10 | 261.65 | 33.55 | NQ | Continued to drill with NQ drill bit; No LoC |
| 21-03-2017 | 261.65 | 291.70 | 30.05 | NQ | Continued to drill with NQ drill bit; No LoC |
| 22-03-2017 | 291.70 | 300.00 | 8.30 | NQ | Continued to drill with NQ drill bit; No LoC; Drill hole completed. PooH the NQ drill assembly and uninstalled the NC casing. Started to demobilize. |
| 23-03-2017 | - | - | - | - | Drill head constructed; site levelled and cleaned. Completed demobilization of drill rig and accessories; |
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| ***WEEK 13: OTHER WORKS*** |
| * Core Recovery, Photography, Marking, Sectioning, Scanning, Labeling, Sketching, Description, Sampling, Packing and Storage etc., performed as per the standard procedure of ICDP.
* **Complete core boxes loaded on truck and sent to Muscat for storage.**
* **Core Scanner and site camp packed and stored.**
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| ***WEEK 13: SITE ISSUES*** |
| **Contractual Issues**  | \*None |
| **Drilling/ Technical Issue**  | \*Normal Maintenance work on Rig. |
| **Health & Safety Issues** | **\*Safety measures taken looking at the weather condition.** |
| **Any Other Issues** | \*None |

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| ***WEEK 13: DETAILS OF ONSITE PERSONNEL*** |
| **ODP** | Peter Kelemen, Jude Coggon, Craig Manning, David Zeko, Romain Lafay and Americus Perez and Juan Carlos  |
| **AZD** | Nehal Hasan Warsi |
| **LBV** | Gopi Krishnan |
| **GSE** | Sheikh Olliullah; Abdul Khaliq, Mohd. Jameel, Mohd. Alauddin; HDD for water tanker |
| **Others** | *Students from SQU:* Two students-Monthar al Maawli, Al Maotassam al Salmi on onsite training. |
| **Visitors This Week** | **\*Ophiolite Researchers from GuTech visit the drill site and areas around it.****\* Personnel from PDO visit the drill site and areas around it.****\*Students and teachers from Higher College of Technology visit the drill site and areas around it.****\*Two French Researchers visit the drill site and areas around it.****\*The Oman Observer Journalist, Ms. Laxmi, visits the drill site.****\*Dr. Ali bin Saud al Bimani, Vice Chancellor, SQU and Dr. Rahma Al Mahrooqi, Deputy Vice Chancellor, SQU visited the drill site along with Prof. Sobhi Nasir of Earth sciences deptt., SQU.** |

Regards,

**Nehal H Warsi**

*Site Geologist,*

*AZD Engineering Consultancy*

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