AL JAZEERAH DRILLING L.L.C

Sharjah United Arab Emirates

Tel: +971 6 7490559

Fax: +971 67490523

P. O. Box: 2845

Email: aljazeerahdrilling@gmail.com

Contents

INTRODUCTION

Al Jazeerah Drilling was established in 2005, specialized in infrastructure work, offering urban cities and surrounding communities with many services such as installation of foul drainage systems, gravity lines, pressure main, and all associated works.

Al Jazeerah Drilling is locally owned and operated assuring that the owners possess a personal and financial stake in the company's future, thus invested in obtaining Quality Management Certificates and ISO Standards (14001:2015, ISO 9001:2015 and OHSAS 18001:2017), to ensure the highest quality products.

The organization is constantly growing and developing in search of innovative technology in the infrastructure works. Our reputation attracts quality personnel hard working people who are committed to producing projects that set a standard for excellence. JD operates under a defined set of values that foster a true sense of commitment to only the finest craftsmanship and desire to build relationship that are based on old fashioned principles like trust and integrity a true respect for the individuals and a heartfelt obligation to give back to the community.

1. TECHNICAL DETAILS

A. PIPELINE PROJECTS (GRAVITY AND RISING MAIN)

B. PUMPING STATION & ELECTRO-MECHAINCAL WORKS

C. NDRC, PIPE JACKING & DIRECTIONAL DRILLING METHOD

A- PIPELINES PROJECTS (GRAVITY AND RISING MAIN)

Method Statement for Pipeline

(a) Method Statement for Survey work

1. Confirm the Bench mark elevation and coordinates from the approved construction drawing received from the Consultant Engineer.

2. Locate the Bench mark on the site jointly with Consultant staff and confirm the location.

3. Shift the Benchmark to nearby locations of the required sites and recheck the elevation value and coordinates with Consultant surveyor.

4. Protect the Bench mark (Steel Pin) by concrete protection and surrounding by warning tape.

5. In case of any difference between the values of bench marks inform the Engineer accordingly with the difference and new value of the same.

6. Pre-survey of the all OGL's Levels and alignments of the pipelines route and the status of the existing asphalt and tiles finishing surface and take photo for the records and compare all information's with the construction Drawings.

(b) Method Statement for Trial holes & Locating existing services

1. Check all NOC Drawings and mark the lines conflicting, crossing or adjacent to the proposed pipe lines, Valve chambers and the thrust blocks on the site.

2. Remove the existing Asphalt or Interlocking tiles for the Trial holes locations.

3. Carefully excavate by hand and mark the locations of each chamber and make the location of trial holes along the route of the pipeline.

4. Surround the excavated trial pits by warning tape and PVC nets as the safety precautions.

5. Support the services during the excavation by some beams or timbers as required by the service departments. In cases of services not found as shown on the drawing check the same with the concerned department.

6. In case of services damaged accidentally for not shown on the drawings or unknown reasons inform the emergency telephone numbers immediately.

7. Upon completion of excavation of the pipe line and Valve chambers backfill the trial holes in layers with dune sand and make it as before.

(c) Method Statement for Excavation &Dewatering

1. Circulate Notices to all residence, shops and others two weeks in advance to the starting date to the effected entries of the works.

2. For Asphalt roads or foot path arrange Traffic diversion from authorities and Isolate the working area by warning tape and barriers and fix the traffic cones and signs as required.

3. Arrange the dewatering as it is required by fixing the well point pipes every one meter on one or two sides as per the required depths.

4. Excavate carefully and keep the helper away from the machine swinging area.

5. Arrange the stepping method for excavation for not exceeding more than 3.0 meter and provide more steps for the depths more than 3.0 meter and up to 5.0meter.

6. Provide steel trench box support for the depths more than 5.0 meter and not exceeding 7.0 meter while excavation.

7. For any sand stone or hard material found it should be informed to the concerned Engineer.

8. For depth of excavation exceeding more than 7.0 meter we should make the excavation on two stages.
   Stage 1: Reduce the ground level from 2.0 – 3.0 meter till reaching the water level.
   Stage 2: Fix the well point system on low level and fix the trench box while excavation

9. Upon completion of excavation with shoring and pipe lying, remove the trench box and prefix it on the reduced level and continue the same activities on the next frame.

(d) Method Statement for Backfilling

1. Before starting the backfilling take the sample of the excavated material and arrange the required test like Soil Compaction test and Sieve Analysis to evaluate the excavated material whether it is suitable for backfilling or not. If it is found suitable within the reasonable maximum dry density which could be used for backfilling.

2. Upon the completion of the work like pipeline, Chambers construction and any other concrete structure work back fill in layers of 300mm with hand compaction till one meter on the top of the pipe line and using mechanical compactor after that

3. Make the Field Density Test on each layer along the pipeline and continue backfilling the other layers till to top level by repeating the compaction test.

(e) Method Statement for Pipe laying of Rising main

1. Upon completion of excavation for the required levels and bedding aggregate is in place.
2. Clean the socket of pipes and rubber gasket for each pipe before fix it in place.
3. Fix the required aggregate bed as per the specification.
4. Fix the pipe from downstream towards upstream as per the approved design drawings.
5. Connect the spigot ended pipelines to the Double bell coupling or to the Socket using the chain block pipe puller and check the level and alignment of the fixed pipe and repeat the same activities for the other pipes till the next chamber and fix the aggregate surround with hand compaction.
6. Arrange the water pressure test to the rising main pipe line to the specified pressure (pressure test should be done upon completion the backfilling.
7. Arrange the backfilling as per the method of backfilling.
8. Lay the warning tape on the top of the pipeline at level as per the drawings.

(f) Method Statement for Concreting of Valve Chambers, Air Valve and Washout

1. Arrange the formation levels of the structures and make it the same level as per the drawings.
2. Fix the concrete blinding of the same thickness as per the drawings.
3. Fix the water proofing and protection board as per the method of waterproofing.
4. Fix the form work for base slab and the water stop to the wall kicker.
5. Fix the steel reinforcement for the base slab and the first stage of the walls as per drawings and fix the starter steel for the walls.
6. Concreting of the base slab using the required vibrator with adequate numbers.
7. Arrange the curing of the same and clean the joint by making it solid using steel brush and shipping hummer to make it rough surface.
8. Fix the internal form works for the walls & Fix the steel reinforcement for wall as per the drawings with the required spacers.
9. Fix the external form works of the walls to the required levels & Cast the concrete for walls.
10. Remove the form works and arrange the required curing.
11. Precast Roof slab with opening as per the drawings and fix it in place and fix the cover with frame
12. Prepare the internal surface for the applying of the approved internal coating.
13. Apply the external water proofing and protection.

B- PUMPING STATION AND ELECTRO-MECHANICAL WORKS

Method Statement for Construction of Pumping Stations, Screen Chamber Electrical Substation and Surge Vessel

(a) Substructure works for Pumping Stations & Screen Chamber:

1. Setting out the central lines of the Pumping Station as per the approved site location, checking the ground levels & locate the services which conflicting with or close to the structure and expose it by trial holes.

2. Lower the original Ground level to 3.5 m below the existing level by making steps near the edge and arrange even levels of the plat form for the Auger to work the shoring system.

3. Installation of initial dewatering system well point with the required number of pumps planning to use 10 Nos. sump pumps as per the site conditions.

4. Fixing the Steel H-Beams 300 x 300 mm by auger excavation every 1.08 m spacing center to center (according to the shoring design) and fix the H-Beam and to the total depth as per the required design and as per the sketch layout all in straight line and one meter clearance away from the foundation edge .

5. Excavate for the structure and fix the R.C. Slabs between the H-Beams as per the excavation going down and provide the R.C. Slabs with the support frame system as per the design and sketch.

6. Check the formation level as per the drawings and Specifications and arrange the compaction in case of loose soil with compaction test then Fix the side formworks with the demarcation and the levels.

7. Fix the concrete blinding as per the drawing & design level.

8. Apply the water proofing with the protection board or screed.

9. Fix the External water stop as per the proposed shop drawings and fix the water stop fittings by welding in the intermediate of the construction joints for all the proposed stages of concrete as per the drawings.

10. Fix the form work for the 1st stage of base slab and fix steel reinforcement according to the drawing and specifications and extend the water stop from the blinding to the base slab and kicker as per the approved method

11. Cast the concrete base slab with wall kicker and allow for the curing.

12. Repeat item no. 10 & 11 for the other two stages of the base slabs as per the drawing.

13. Cleaning and brushing the first stage of concrete to allow good joint between the new and old

concrete and allow for box out for the inlet and outlet pipes and provide intermediate water sop for all box outs.

14. Extend the form work to the first stage of walls and fix the steel reinforcement including the water stop and cast the concrete.

15. Extend the form work to the second stage of walls and fix the steel reinforcement including the water stop and cast the concrete

16. Fix the external water proofing membrane after applying the primer.

17. Fix the internal pipes & fittings and fix all Electro-mechanical items including the Pumps as per the approved shop drawings.

18. Prepare the concrete internal surface and apply the approved Coating.

19. Backfilling around the chamber in stages till the final level.

(b) Superstructure works for Pumping Stations , Screen Chamber & Substation

1. Setting out and preparation the excavation for the foundation level and arrange for the concrete blinding with the water proofing.

2. Foundation preparation for all superstructures of P.S3A, Screen Chamber and Substation including the water proofing and protection.

3. Continue the activities for the above substructure from items 6 to 15.

4. Fixing the Block works for the walls and between the columns with the required anchors.

5. Arrange the plaster works for the block works and other external concrete and arrange for the opening for the doors and windows with the required lintels.

6. Arrange the conducts for the Electrical works, Plumping and other services as per the drawings.

7. Fix the Floor tiles with the approved tile glue and grout.

8. Fix the Aluminum windows, doors and stairs as per the drawings.

9. Arrange for the internal and external painting as per the approved colors.

10. Fix all Electro-mechanical works including all items as per the approved shop drawings.

11. Arrange the power connection by SEWA for the location giving all details of the load and the capacity required to the Pumping Station.

12. Allow for testing, commissioning and handing over the Pumping Station.

13. Fix all the Mechanical pipes, fittings, valve etc. and the Electrical works in the over to pumping station till the completion, testing and commissioning of the same and handing Engineer and Client.

(c) Substructure works for Surge Vessel:

1. Setting out and preparation the excavation for the foundation level and arrange for the concrete blinding with the water proofing.

2. Foundation preparation for all super structure of surge Vessel with the required Anchor bolts as per the E& M approved shop drawings including the water proofing and protection.

3. Fix the surge Vessel in place as per the approved location.

4. Arrange the outlet connection from the surge vessel with alignment and level with the inlet of the valve chamber.

5. Connection the outlet of surge vessel to the Valve chamber.

6. Arrange the E& M works for the same.

C- NDRC, PIPE JACKING & DIRECTIONAL DRILLING METHOD STATEMENT

PIPE –JACKING METHOD STATEMENT

1. CROSSING DETAIL:

Length &Diameter: Different steel sleeve diameter will depend on the diameter of the carrier pipe (800mm to 2800mm steel sleeve can be used). The steel sleeve pipe will be jacked to the full required length and the carrier pipe will then be installed. The joint of the steel pipe will be fully welded.

Ground conditions: Ground conditions at the location of the drives to be checked & classified from medium to very dense sand or very hard rock.

2. THRUST PIT: The size of the thrust pit will depend on the local site condition &service crossings at the location. In general the drive shaft will be a minimum of 6x4m, and receiving pit 400mm below the pipe invert level or depends upon the site condition.
3. RECEPTION PIT: the receiving pit minimum requirement for manhole construction or carrier pipe construction and depth of the pipe invert level.
4. PIPE JACKING EQUIPMENT SETUP:
   a. Main jacks: 2 No. hydraulically operated. Capacity 350 tones each. Stroke1200mm.
   b. 10,000 psi Hydraulic power pack, with high pressure hoses.

SET UP: Two steel guide rails are set up on timbers in the thrust pit to the correct line and gradient and then concrete base of 200mm thick is formed to keep them in position. The thrust ring is set up ensuring that the jacks are accurately positioned at the axis level of the sleeve pipe. A steel thrust plate 35mm thick is placed to transfers the jacking forces to the concrete thrust wall.

THRUST WALL: the thrust wall is cast directly against the vertical face of the excavation in the jacking pit. A steel thrust plate 35mm thick is placed to transfer the jacking force to the concrete thrust wall.

5. INSTALLATION OF PIPE: The sleeve steel pipe are jacked into position using an open steel pushing ring to distribute the pressure around the pipe starting with the steel lead pipe. The steel sleeve is pushed into the face of the soil to secure it, plug could be up to 0.3m depending on the site condition then the face is excavated manually. The soil will be loaded into a wheel skip and winched to the thrust pit, where it would be lifted to ground level by excavator/crane

6. LIGHTING & VENTILATION: Lighting to the face will be provided using a mobile 2 KVA generator fitted with a 220 volt transformer. Forced air ventilation will also be provided.

7. SHIFT REPORT: A daily report is produced each morning for the previous day work recording the following:

a. Labor & Plant resources.

b. Progress of work.

c. Line &level.

d. Face condition.

e. Jacking pressure.

8. INSTALATION OF CARRIER PIPE IN STEEL SLEEVE: Pipes will be supported in special designed clamps. The clamp is fixed to the invert level of the sleeve via a flat steel bar to secure the pipe and the coupler in position and also to prevent any movement.

9. GROUTING:

Steel sleeve annulus: On completion of the installation of the steel sleeve, injection nozzle will be fixed at 4.0m intervals at the soffit of the steel pipe. Water/Cement grout is then injected through these points until annulus are completely filled.

Grouting around carrier pipes:

a. Stop Ends: On completion of the carrier pipe laying and its supports concrete blocks walls would be constructed on both ends. At low end of crossing injection inlet pipe will be provided for grout at crown level. The other end will be incorporate one breather pipes.

b. Grouting: Grouting will proceed using sand/cement mix by means of a pump at the rate of approximately 12cum./hr. the grouting operation will continues until the sleeves

Completely filled. For short up to 30m length drives grouting may be carried out by means of pouring the grout through a cone fixed with a pipe connected to the injection grout point at the sleeve.

10. ACCURACY: Steel Sleeve: Where there are no obstruction we would bore the steel sleeve to an accuracy of +/-75mm on line and level at any point.

11. EQUIPMENTS:

a. Set of hydraulic jacks.

b. Power pack.

c. Electric air winch.

d. Welding machine.

e. Air compressor.

f. Grout pump/diaphragm pump.

g. Skip.

h. Pushing ring.

i. Bogey.

j. Pushing ring.

k. Steel plate.

l. Theodolite & level instrument.

Glossary of terms in general use

1. Thrust pit: A working shaft at the beginning of the jacked section of pipeline, in which the specialized equipment is installed and from which the jacking operations are carried out.
2. Thrust wall: A wall at the rear of the thrust pit, generally in reinforced concrete designed to spread the reaction loads to the ground behind the thrust pit.
3. Pressure plates: A steel pressure plate or plates located between the rear end of the jacks and the concrete wall to back spread intensive loading when necessary.
4. Hydraulic jacks: High pressure, hydraulically operated jacks providing the power to move the pipeline.
5. Power pack: A motorized hydraulic pump unit feeding the fluids to activate the hydraulic jacks.
6. Spacer blocks: Fabricated blocks in matched sets which are used to augment the jack stroke when necessary.
7. Guide rails: steel or timber rails set firmly in the thrust pit to give directional control of the concrete pipes for the drive and for accurate location of the pipe joints.
8. Jacking shield: A fabricated steel cylinder from within which the excavation is carried out either by hand or machine. Incorporated within the shield are facilities to allow the shield to be adjusted to control line and level.
9. Jacking pipe: A steel sleeve pipe designed specifically for jacking.

Reception pit: A shaft at the end of the jacked section of the pipeline from which the jacking shield is recovered.

DIRECTIONAL DRILLING METHOD STATEMENT

With directional drilling, the equipment consists of three main parts:

1. The Hydraulic power pack.
2. The rig
3. The mixer.

The rig is a hydraulic device that either pushes the drill-rod sin to or draws them out of the soil. During this process, rotating movements can be made at the same time. With the mixer a construction of devices, drilling mud is made and this can be pressurized as required. The drilling mud consists of fine clay with polymer and water, in there queried proportion. Both the rig and the mixer are powered by the power pack.

Once the project is established and the entering and exit points are known, the process can begin. The drilling is setup and drill rack is set to a determined angle. This is usually between 5 to 20 degrees, Depending on the characteristic of the crossing. The initial drill rod and cutter head are set into the drilling chuck. The first piece of drill pipe is made out of an antimagnetic material to eliminate any interference to the survey probe.

The drill-head is situated at the front of the first drill-rod and is equipped with an electronics one (survey probe), in order to localize the drill- head. Also, “nozzles “have been installed, that enable the drill mud to flow and thus loosen and transport the soil and to form a drill tunnel. The drill-head is shaped in such a way that steering corrections can be carried out. Depending on its position, the drill- head will take certain direction when the drill-rods are pushed in. During this process, the drill rods are not rotating. By means of rotating and pushing in the drill rods at the same time a straight line is drilled. Directional drilling enables you to steering all required directions.

When the drilling begins, the drilling solution pump is turned on and the cutter head is rotated into the ground. As the first section is being buried & operator monitors the head location and compares the information to a plotted chart. If there is any deviation from the intended line, the operator makes the steering corrections. Once the first section is buried, the drill section is coupled from the drill chuck and another section of drill stem (pipe) is added. The sequence continues until the pilot hole is completed.

Once the pilot hole is completed, the product line (duct pipe) should bready to be pulled back. For pulling back a products line or lines, first the cutter head is removed and a back reamer is installed in its place. A back-reamer is cutting head with its cutters facing the drill pipes string. Its purpose is to clear a path for the products line being installed. Directly, behind the back reamer (away from the drill stem) a bearing swivel is installed. The bearing swivel is attached to a cap that has been installed on the products line. As the products line is pulled into the hole, the drill string is rotated and the drilling solution is pumped into maintain the integrity of the hole. The product line is pulled all the way back to the initial entry in the ground.

Depending on the diameter of the required tunnel, reaming can be done several times. In this case, every time all agreement will be used. When reaming for the last time, the pipes is mounted directly behind the reamer and swivel. The coupling between the swivel and the pipe prevents the pipe from rotating while being pulled in.

In the case of 800mm (OD) HDPE pipe, the reamer size required will be 900mm diameter to pull the pipe under the asphalt road.

Once the pilot3” (76mm) dia. Is drilled to the correct profile a 300mm reamer is connected to the string line and reamed through and second reaming operation will be a 550mm reamer, the third reaming operation will be a 800mm reamer and finally on the last reaming operation the 710mm (OD) HDPE pipe is mounted directly behind the 800mm reamer and swivel and pulled through under the asphalt road. The same principle will apply for other HDPE Pipes with different reamer sizes.

LIST OF COMPLETED & ON GOING PROJECTS

S.NO	Job No.	Job Description	Client	Consultant	Amount Dhs
1	JP 01	DJ-395 LAYING OF 800MM DIA WATER MAIN FROM LAYYAH TO MAMZAR	M/s. DEE M/s. SEWA	M/s. SEWA Tech Section	24,550,282.59 (Completed)
2	JP 02	DJ-406 PUMPING STATION 3A & RISING MAIN	M/s. DEE M/s. SMDD	M/s. Halcrow	53,333,153.26 (Completed)
3	JP 03	DEVELOPMENT OF AL KHAN CORNICH FOUL SEWER DJ-409	M/s. DEE M/s. SMDD	M/s. SMDD	10,202,778.37 (Completed)
4	JP 04	MICRO TUNNELING WORKS SEWA CROSSING DHAID MADAM ROAD	M/s. SEWA & M/s. Ministry of Public Works	M/s. SEWA Tech Sec	39,000.00 (Completed)
5	JP 05	PIPES JACKING OF SHARJAH TRANSPORT DJ-407A	M/s. DEE M/s. Sharjah Transport	M/s. Al Turath & Rostamani LLC	327,000.00 (Completed)
6	JP 06	ROAD CROSSING GRP 1200MM DIA DUCT FOR WATER TRANSMISSION SYSTEM TO UMM AL QUWAIN EMIRATES	M/s. Transco Abu Dhabi	M/s. Idroesse	339,463.00 (Completed)
7	JP 07	CONTRACT R692 EXTERNAL WORK FOR THE EXECUTIVE OFFICE OF H.H SHEIKH JAWAHEER IN AL GULAYAA DJ-429	M/s. DEE M/s. DPW	M/s. Halcrow	2,241,723.00 (Completed)
8	JP 08	WATER MAIN AT FILI AND FOAH AREA LAYING OF HDPE 225MM DIA AND 110MM DIA WITH PIPE JACKING	M/s. Transco	M/s. SEWA Tech Sec	1,097,660.00 (Completed)
9	JP 09	EXTENSION OF MR SHEIKH KHALED BIN NASER AL THANI VILLA	Shk. Khaled Bin Naser Al Thani	International Engg	800,000.00 (Completed)
10	JP 10	IMPROVEMENT OF CORNICHE ROAD DJ-432	M/s. DEE M/s. DPW	M/s. WSP	2,545,321.51 (Completed)
11	JP 11	DIRECTIONAL DRILLING UNDER THE ASPHALT ACROSS EMIRATES ROAD AND BY PASS ROAD	M/s. SEWA and M/s. Ministry of Public works	M/s. SEWA	448,300.00 (Completed)
12	JP12	DIRECTIONAL DRILLING AT MILEIHA	M/s. SEWA	M/s. SEWA	39,000.00 (Completed)
13	JP 13	CONSTRUCTION OF ENG. ESSAM AL MULLA VILLA	Engg Essam AL Mulla	M/s. Oasis Consult	1,750,000.00 (Completed)
14	JP 14	EXPO CENTRE SHARJAH EXPANSION DJ-438	M/s. DEE M/s. EXPO & M/s. AMBB	M/s. WSP	3,270,804.04 (Completed)
15	JP 15	EXTENSION OF MCQ1 ROAD SEWER AND IRRIGATION MAIN LINE SAIF ZONE DMJ 307	M/s. DEE M/s. Saif Zone	M/s. Saif Zone	1,684,346.65 (Completed)
16	JP 16	24W/2012 CONSTRUCTION OF TRANSMISSION PIPELINE WITHIN CITY AND INDUSTRIAL AREA AJMAN DJ-439	M/s. DEE M/s. FEWA	M/s. FEWA Tech.Sec	31,278,632.00 (Completed)
17	JP 17	PHASE 2 & 3 DESAL & STEAM TURBINES OUTFALL CONCRETE CHANNEL REPAIR	M/s. SEWA	M/s. SEWA Tech Sec	165,400.00 (Completed)

S.NO	Job No.	Job Description	Client	Consultant	Amount Dhs
18	JP 18	PHASE 1 OUTFALL CULVERT REPAIR IN LAYYAH POWER STATION	M/s. SEWA	M/s. SEWA SEWA Tech	2,059,687.50 (Completed)
19	JP 19	NDRC WORKS AT 17W2012 REHABILITATION OF DISTRIBUTION NETWORK AND TRANSMISSION SYSTEM IN FUJAIRAH	M/s. FEWA	M/s. Green Osais	50,000.00 (Completed)
20	JP 20	EXTENSION OF PRIVATE VILLA (MR. WASEEM SAWAN) G+1 AT AL BARASHI AREA SHARJAH	Mr. Waseem Al Sawan	M/s. International Consultant	850,000.00 (Completed)
21	JP 21	PHASE 2 WATER NETWORK (ZONE 1&2)	M/s. HFZA	M/s. SEWA Tech Sec	12,069,635.00 (Completed)
22	JP 22	CONTRACT NO 16/2013 CONSTRUCTION OF IRRIGATION LINE PHASE 2 AT ITIHAD ROAD AJMAN (DJ-453)	M/s. DEE Ajman Municipality and Planning Dept	M/s. Indorses	3,937,500.00 (Completed)
23	JP 23	AL NASSERIYA COMMUNITY MALL PROJECT	M/s. Laing O Rourke	-	200,000.00 (Completed)
24	JP 24	CONSTRUCTION OF RCC CONCRETE TANK (CLEAR WELL TANK) KHORFAKKAN POWER STATION	M/s. SEWA	M/s. SEWA Tech Sec.	2,968,745.00 (Completed)
25	JP 25	ROAD AND DRAINAGE WORKS OF NOAMIYAH STREET, COLLEGE STREET AND SHEIKH JABBER AL SABA STREET DJ468)	M/s. DEE Ajman Municipality	M/s. CDM Smith	6,435,899.66 (Completed)
26	JP 26	CONTRACT NO 19/2014 CONSTRUCTION OF IRRIGATION LINE PHASE 2 -SHEIKH MOHAMED BIN ZAYED ROAD (DJ473)	M/s. DEE M/s. Ajman Municipality	Agriculture Dept Ajman	1,920,266.25 (Completed)
27	JP 26A	CONTRACT NO 19/2014 CONSTRUCTION OF IRRIGATION LINE PHASE 2 -SHEIKH MOHAMED BIN ZAYED ROAD (DJ473A) VARIATION WORKS	M/s. DEE M/s. Aims Group Ajman	Agriculture Dept Ajman	1,459,587.50 (Completed)
28	JP 27	FOUL DRAINAGE NETWORK FOR FOUR HOTELS IN AL RIFA SHARJAH (DJ 479)	M/s. DEE M/s. DPW	M/s. SMDD	9,268,952.00 (In progress)
29	JP 28	AL JUBAIL MARKET SEWAGE LIFTING STATION SHARJAH (DJ 486)	M/s. DEE M/s. SMDD	M/s CH2M - Halcrow	5,814,851.51 (Completed)
30	JP 29	CONSTRUCTION OF FOUL DRAINAGE NETWORK IN AL NAHDA AREA- SHARJAH (DJ 499)	M/s. DEE M/s. DPW	M/s. SMDD	6,332,861.45 (Completed)
31	JP 30	PROPOSED WAREHOUSE + OFFICE BUILDING + LABOUR ACCOMADATION +COMPOUND WALL (IN SAJJA INDUSTRIAL AREA	M/s. SEWA	M/s. SMART VISION	(In progress)
32	JP 31	STROM WATER LIFTTING STATION AT JUBAIL- DJ/483	M/s. DEE M/s. SMDD	M/s CH2M - Halcrow	603,487.50 (Completed)
33	JP 32	CONSTRUCTION OF IRRIGATION LINE FOR AL NUKHAILAT PARK AT AL NUKHAILAT AREA- SHARJAH	M/s. SMDD	M/s. SMDD	315,690.00 (Completed)

S.NO	Job No.	Job Description	Client	Consultant	Amount Dhs
34	JP 33	CONSTRUCTION OF ROAD WORK AT NEW EXTENSION AREA T5- SAIF ZONE DJ/501	M/s. DEE M/s. SAIF ZONE	M/s CH2M – Halcrow	12,905,408.00 (Completed)
35	JP 34	NOUF DEVELOPMENT PROJECT (LAYING OF GRE PIPELINE ON SHARJHA – KALBA ROAD	M/s. SEWA	M/s. SEWA Tech Sec.	3,535,920.62 (Completed)
36	JP35	AL QASIMIA UNIVERSITY PUMPING STAION, RISING MAIN & TEMPORARY SEWAGE TREATMENT PLANT –DJ/505	M/s. DEE M/s. DPW	M/s CH2M - Halcrow	5,053,274.92 (Completed)
37	JP36	AJMAN SEWERAGE NETWORK JURF INDUSTRIAL ZONE 1&3 AREA AJMAN-DJ/518	M/s. DEE M/s. ASPCL	M/s. ASPCL	46,974,498.12 (In progress)
38	JP37	ROAD AND STORM WATER DRAINAGE WORKS FOR NOMIYAH AREA IN – AJMAN PHASE 1 DJ-517	M/s. DEE M/s. Indorses Infrastructure	M/s. AIMS GROUP – Ajman	2,550,244.24 (Completed)
39	JP38	CONSTRUCTION OF IRRIGATION LINE AT SHEIKH MOHAMMED BIN RAHID AL MAKTOUM ROAD-DJ/473B	M/s. DEE M/s. Aims Group Ajman	Agriculture Dept. Ajman	2,149,634.70 (Completed)
40	JP39	AL QASIMIYA UNIVERSITY SURFACE WATER DRAINAGE STATION & RISING MAIN – DJ/526	M/s. DEE M/s. DPW	M/s CH2M – Halcrow	18,034,385.00 (Completed)
41	JP40	PROJECT: CONTRACT NO. 301-504 – EPS 6 AND TSE LINE FROM 5TH INDUSTRIAL AREA STP TO SEA (DJ527)	M/s. DEE M/S. DPW	M/s CH2M - Halcrow	153,690,314.00 (In progress)
42	JP41	AJMAN SEWERAGE NETWORK RISING MAIN FROM 306 VILLAS TO RM12B (DMJ342)	M/s. DEE M/s. Aims Group Ajman	M/s. Aims Group Ajman	1,627,063.35 (Completed)
43	JP42	AJMAN SEWERAGE NETWORK SYSTEM MOWAIHAT 1, 2, 3 & TALLAH 2 - AJMAN AREA	M/s. ASPCL	M/s. ASPCL	88,500,000 (In progress)
44	JP43	HDD WORKS & LAYING FOR GAS PIPELINE	M/s. INTERNATION GAS SERVICE EST. (SERGAS)	M/s. INTERNATION GAS SERVICE EST. (SERGAS	804,051.15 (In progress)
45	JP44	IRRIGATION LINE CONNECTION TO TELAL AL EMARAT – AJMAN	M/s. DEE M/s. Ajman Agricultural Dept.	M/s. Municipality & Planning Dept. Ajman	(In progress)
46	JD45	COMPLETION OF SEWAGE NETWORK AT AL RAMTHA & AL QUOZ-SHJ	M/s. DEE M/s. DPW	M/s JACOBS - Halcrow	In Progress

2. PROGRESS PHOTOGRAPHS

Excavation & formation of Pumping station

Reinforcement works for raft foundation of Pumping station

Laying of 1400mm dia GRP pipe

Application of tanking & water proofing

HSE training held at site

Fixing frame sheet for 1400mm dia GRP pipe

Laying of 1400mm dia GRP pipe

Laying of 1400mm dia GRP pipe

Shoring works for NDRC

Construction of washout chamber at NDRC location

Backfilling works for NDRC location

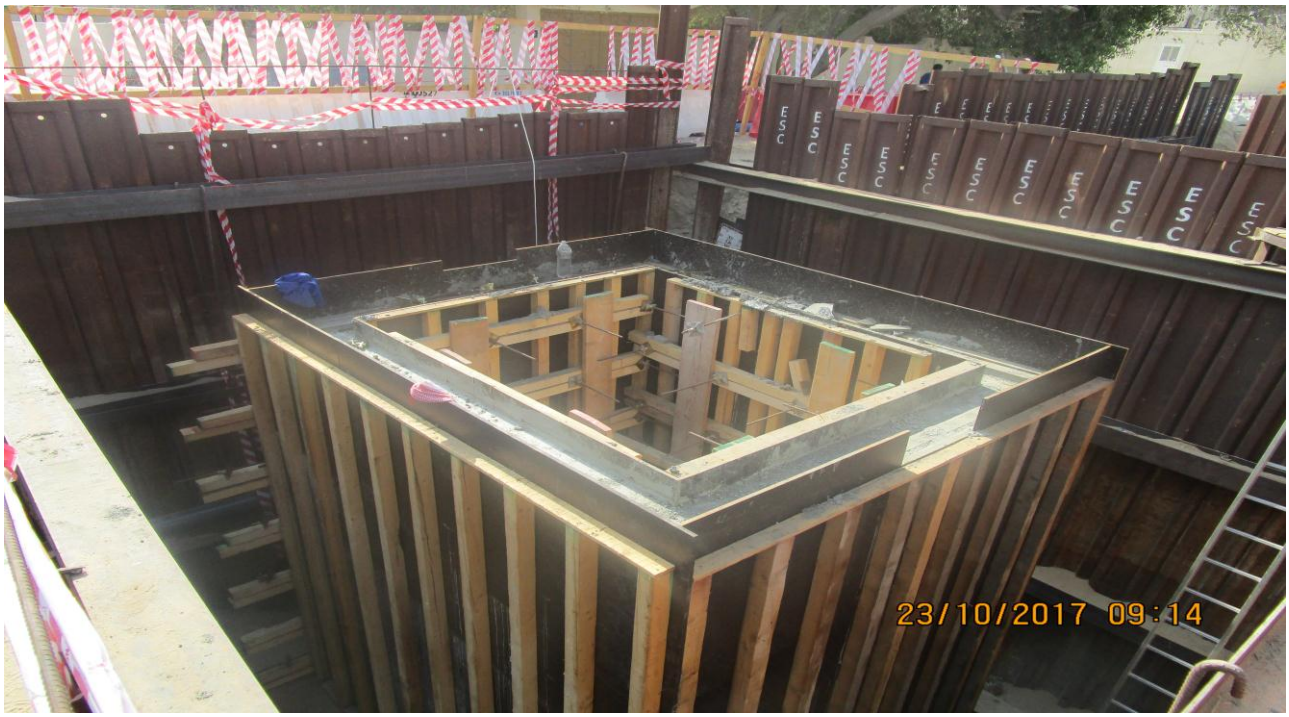
Construction of Flow meter & Isolation chamber

HSE Training for Engineer's

Distribution of Good conduct certificate for PPEs

Protection of existing services while pipe laying

Isolation chamber at Samnan (900mm)



Pipe Jacking Work (Tunneling Work)

Laying of 1400mm dia GRP Pipe
Using Slide Rolling Strut Trench box

Laying of 1400mm dia GRP Pipe Open cut (stepping System) with Bedding & Surround

Construction of EPS6

DIRECTIONAL DRILLING & PIPE JACKING TEAM

3. REGISTRATION AND LICENS

Trade License / رخصة تجارية

License No. 65713 رقم الرخصة

ACCI No. 70015 رقم الغرفة

Register No. 62177 رقم السجل التجاري

License Details تفاصيل الرخصة

Renew / تجديد

Trade Name: AL JAZEERAH DRILLING /L.L.C - BR
الاسم التجاري: الجزيرة للحفريات /ذ.م.م - فرع

Legal Form: Limited Liability Company
الشكل القانوني: شركة ذات مسئولية محدودة

Issue Date 2013-05-28 تاريخ الاصدار

Expire Date 2019-06-26 تاريخ الانتهاء

Manager Name / اسم المدير	Nationality / الجنسية	Passport / رقم الجواز
عوني محمد علي عرفه صوان	فلسطين Palestine	P00016697

Activites الانشطة

Service Duct Connection Drilling
مقاولات حفر قنوات التمديدات الخدمية

Address / العنوان	Lessor/ اسم المؤجر	Contract Expiry Date تاريخ انتهاء عقد الايجار	P.O. Box صندوق البريد
محل رقم 104, الجرف1 Shop No. 104, Jurf1	طرق احمد سعيد عثمان الواحدي	2018-08-31	0

ملاحظات تغيير موقع العمل بتاريخ 2016/09/07م

Voucher No. 30143424 رقم الايصال

Voucher Date. 2018-07-11 تاريخ الايصال

Emp No. رقم الموظف

Print Date 2018-07-12 تاريخ الطباعة

Commercial Registry /السجل التجاري

شهادة قيد تاجر في سجل تجاري
Merchant Commercial Registry Certificate

Registration Date 2013-05-28 تاريخ القيد Registry Number 62177 رقم القيد

Expiry Date 2019-06-26 تاريـــخ إنتهاء القيـــد

License Details Renew / تجديد تفاصيل الرخصة

Trade Name AL JAZEERAH DRILLING /L.L.C - BR الجزيرة للحفريات /ذ.م.م - فرع الاسم التجاري

Legal Form Limited Liability Company شركة ذات مسئولية محدودة الشكل القانوني

Activites الانشطة

Service Duct Connection Drilling مقاولات حفر قنوات التمديدات الخدمية

Print Date 2018-07-12 تاريخ الطباعة

صدرت هذه الشهادة مع الرخصة المذكورة بياناتها أعلاه دون أدنى مسؤولية تجاه حقوق الغير

Receipt Voucher - سند قبض

رقم سند القبض :	No.	34204	التاريخ	Date	7/11/2018
رقم إذن الإستلام :	No.	30143424	بتاريخ	Date	7/11/2018

استلمنا من : الجزيرة للحفريات /ذ.م.م - فرع

رقم الرخصة : 65713 - تجديد رخصة

دائرة التنمية الإقتصادية — Department of Economic Development

البند / Code	الرسم / Item		المبلغ / Amount
204020107	رسوم عضوية الغرفة التجارية	Chamber of Commerce membership fee	2500
204020206	رسم الإبتكار	Innovation fee	10
204080001	الصندوق الوطني للمسؤولية المجتمعية (الإدراج في المنصة)	National Fund for Community Responsibility (inclusion in the platform)	1500
301810001	إصدار / تجديد الرخصة	Issuance / renewal of license	600
301810015	إصدار شهادة السجل التجاري	The issuance of the trade Registration Certificate	200
301810016	تجديد القيد في السجل التجاري	Renewal of trade registration	100
301810021	تجديد ترخيص مزاولة نشاط المقاولات	The renewal of the contracting activity license	3000
301810045	نموذج طلب خدمة / خدمات إدارية	Application form for service request and administrative services	50
301830012	تصريح لوضع لافتة الإسم التجاري على واجهة المنشأة	Permit to put a banner for the trade name on the front of the establishment	350
الإجمالى	الإجمالى	Total	8310

الإجمالى 8310 Total (AED) فقط وقدرة ثمانية آلاف ثلاث مئات عشر درهم لاغير

تاريخ الطباعة 7/12/2018 1:44:03 PM Print Date أنشئ بواسطة TAJ_Adel Ahmed Al Shahtoor Printed By

GOVERNMENT OF SHARJAH
Economic Development Department

حكومة الشارقة
دائرة التنمية الاقتصادية

رخصة تجارية
Trading License

License Details تفاصيل الرخصة

Issue Date	2007/12/04	تاريخ الإصدار	License No.	556755	رقم الرخصة
Expiry Date	2019/12/03	تاريخ الإنتهاء	Registration No.	36199	رقم السجل
Trade Name	AL JAZEERAH DRILLING LLC.			الجزيرة للحفريات ذ م م	الاسم التجاري
Legal status	Limited Liability Company			شركة ذات مسؤولية محدودة	الشكل القانوني

License Members أطراف الرخصة

الحصص Shares	الصفة Type	رقم الهوية / الجواز ID/Passport No.	الجنسية Nationality	إسم المستثمر Investor Name	رقم المستثمر Investor No.
%51	شريك	784196710530864	الإمارات	وسيم محمود محمد موسى الصوان	42174
%49	شريك	296651	فلسطين	عوني محمد على عرفة صوان	46110

المدير	عونى محمد على عرفه صوان
أنشطة الرخصة	مقاولات فنة سادسة, حفريات
العنوان	الشارقة-الغوير/الشارقة-شارع الزهراء -شقة رقم M4 ملك احمد محمد عبدالله لحباب ال علي
رقم الهاتف المتحرك:	0508770185
صندوق البريد:	2845

تاريخ الطباعة	2018/12/20
رقم المستخدم	38677

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- يمنع منعاً باتاً توزيع الإعلانات في الاماكن العامة و الأحياء السكنية. التوزيع فقط عن طريق الصحف, المجلات وصناديق البريد.

GOVERNMENT OF SHARJAH
Economic Development Department

حكومة الشارقة
دائرة التنمية الاقتصادية

شهادة سجل تجارية
Trading Register Certificate

License Details تفاصيل الرخصة

License No.	556755	Registration No. رقم الرخصة	36199	رقم السجل
Expiry Date	2019/12/03	Issue Date تاريخ الإنتهاء	2007/12/04	تاريخ الإصدار
Capital	150000	رأس المال		

Trade Name	AL JAZEERAH DRILLING LLC.	الجزيرة للحفريات ذ م م	الاسم التجاري
Legal status	Limited Liability Company	شركة ذات مسؤولية محدودة	الشكل القانوني

المدير	عونى محمد على عرفه صوان
أنشطة الرخصة	مقاولات فئة سادسة, حفريات
العنوان	الشارقة-الغوير/الشارقة-شارع الزهراء -شقة رقم M4 ملك احمد محمد عبدالله لحباب ال علي

تاريخ الطباعة	2018/12/20
رقم المستخدم	38677

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Certificate Of Registration

Awarded to

AL JAZEERAH DRILLING LLC

at

P.O.BOX NO: 2845, OFFICE NO: 805, AL SHWEHEEN AREA 3, BANK STREET, SHARJAH, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS requirements for registration of the management system standard detailed below:

ISO 9001:2015

Quality Management Systems

Scope of work

- CONSTRUCTION & INFRASTRUCTURE WORKS
- PROVIDING SERVICES FOR FOUL DRAINAGE, WATER, STORM WATER SYSTEM AND RELATED WORKS

Certificate No: DQU-11722
Originally Registered: 15 MAR 2018
Latest Issue: 15 MAR 2018
Valid up-to: 14 MAR 2021

Quality Registrar Systems

CB-037-MS

MANAGING OFFICE ADDRESS:
Quality Registrar Systems
P.O. Box :26826
United Arab Emirates

Tel: +971-2-6714302
Fax: +971-2-6741449
www.qrsyst.com

WORLD WIDE CERTIFICATION

Quality Registrar Systems is accredited by Dubai Accreditation Department (DAC)
for the Scope mention on Quality Registrar Systems (QRS) Accreditation Certificate No. CB-037-MS

Certificate Of Registration

Awarded to

AL JAZEERAH DRILLING LLC

at

P.O.BOX NO: 2845, OFFICE NO: 805, AL SHWEHEEN AREA 3, BANK STREET, SHARJAH, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS requirements for registration of the management system standard detailed below:

ISO 14001:2015

Environmental Management Systems

Scope of work

- CONSTRUCTION & INFRASTRUCTURE WORKS
- PROVIDING SERVICES FOR FOUL DRAINAGE, WATER, STORM WATER SYSTEM AND RELATED WORKS

Certificate No: DQU-20750
Originally Registered: 15 MAR 2018
Latest Issue: 15 MAR 2018
Valid up-to: 14 MAR 2021

Quality Registrar Systems

CB-037-MS

MANAGING OFFICE ADDRESS:
Quality Registrar Systems
P.O. Box :26826
United Arab Emirates

Tel: +971-2-6714302
Fax: +971-2-6741449
www.qrsyst.com

WORLD WIDE CERTIFICATION

Quality Registrar Systems is accredited by Dubai Accreditation Department (DAC)
for the Scope mention on Quality Registrar Systems (QRS) Accreditation Certificate No. CB-037-MS

Certificate Of Registration

Awarded to

AL JAZEERAH DRILLING LLC

at

P.O.BOX NO: 2845, OFFICE NO: 805, AL SHWEHEEN AREA 3, BANK STREET, SHARJAH, UAE

Quality Registrar Systems certify that the management system of the above organization has been audited and found to be in compliance with the QRS requirements for registration of the management system standard detailed below:

OHSAS 18001:2007

Occupational Health and Safety Management Systems

Scope of work

- CONSTRUCTION & INFRASTRUCTURE WORKS
- PROVIDING SERVICES FOR FOUL DRAINAGE, WATER, STORM WATER SYSTEM AND RELATED WORKS

Certificate No: DQU-30831
Originally Registered: 15 MAR 2018
Latest Issue: 15 MAR 2018
Valid up-to: 14 MAR 2021

Quality Registrar Systems

CB-037-MS

MANAGING OFFICE ADDRESS:
Quality Registrar Systems
P.O. Box :26826
United Arab Emirates

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