

# Analysis of 5<sup>th</sup> (2018), [5<sup>th</sup> +] (2023) and 6<sup>th</sup> [First Gas] (2023) Licensing Bid Rounds of IRAQ

## Iraq's Licensing Bid Rounds

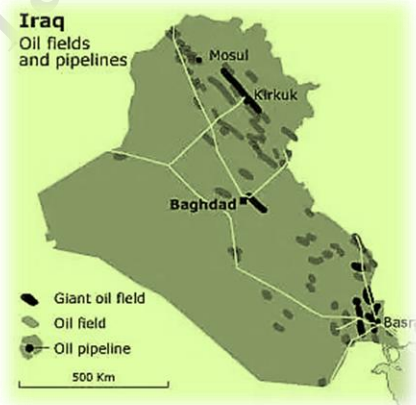
Nationalization of the British Iraq Petroleum Company in June 1972 and the activation of Iraq's National Oil Company (INOC) and its Oil Exploration Company (OEC) and other subsidiaries created an independent Oil Exporting Country of Iraq, that is relying on its home grown national experts in exploring, producing transporting and exporting its own oil.

Soon after the 1980-1988 Iraq-Iran War, the Minister of Oil of Iraq Issam Al-Chalabi dispatched two INOC directors to present a paper on "hydrocarbon exploration development in Iraq" (Al-Khirsan and Al-Siddiki, 1989) to the 28<sup>th</sup> International Geological Congress in Washington, and to invite USA oil companies to help in developing an upgraded reserves in the newly discovered oil and gas fields of Iraq.

Before the 2003 USA-led "libration" of Iraq, the Iraqi MoO delineated several exploration blocks with geographic coordinates, identified them with numbers and grouped them relative to regional tectonic elements or geologic provinces. Exploration, discovery development wells were given names and numbers, and oil and gas fields were given names of local or proximal geographic or historic sites.

Ever since 2018 some exploration blocks of Iraq were numbered, others named and some are given both names and numbers, however all blocks and fields on offer were grouped under their location(s) within Governorate(s)! Furthermore, no blocks location map, coordinates, areas or any of the usual licenses bid information were provided to the public at the time of announcing the licensing bid rounds, (Ibrahim, 2023).

With several Petroleum and hydrodynamic systems and huge discovered-undeveloped oil and gas reserves attracted international oil companies to develop and produce the giant and supergiant oil fields of Iraq. Conversely, following the legally binding Paris Accord of 2015 and undeniable global warming and the growing number of upriver dams (about 100) and several rivers diversions by neighbouring countries, international oil companies began to drop their giant and supergiant oil fields in Iraq ahead of their crossover to Net Zero (Ibrahim, 2024A).



In response to this exodus of international oil companies, the Iraqi MoO announced the 5<sup>th</sup> Licensing Bid Round in 2018 just before the the global Covid-19 Pandemic that precipitated the 2020 global glut in oil market, the Iraqi MoO invitation to the 5<sup>th</sup> Iraqi LBR received poor response from the local and international oil companies.

The local shortage and increase in external demand for gas after the invasion of Ukraine in 2022 encouraged the Iraqi MoO to invite International oil companies to bid in Iraq's First Gas (6<sup>th</sup>) Licensing Bid Round in 2023 for prospective gas exploration blocks and gas fields development in the Western Iraq, (Ibrahim, 2020) and added to the list of blocks and fields of their 5<sup>th</sup> LBR and advertised it as [5<sup>th</sup>+] LBR. However, the new gas opportunity for European market vanished owing to persistent instability of Syria and outbreak of the Israeli War on Gaza on the 7<sup>th</sup> of October 2023.

### **IRAQ'S 5<sup>th</sup> (2018) 5<sup>th</sup>+ (2023) and 6<sup>th</sup> (2023) Licensing Bid Rounds**

On the 21<sup>st</sup> of February 2023 Iraq's newly appointed Prime Minister-Mohammed Shia Sudani and his newly appointed Oil Minister -Hayyan Abdul Ghani (27 October 2022-Present), attended the signing ceremony at the Ministry of Oil Building in Baghdad of six new Technical Service Contracts harvested by Iraq's 5<sup>th</sup> licensing bid round of 2018. The 5<sup>th</sup> licensing round was advertised on the 26<sup>th</sup> of April 2018 when Jabbar Al-Luaibi was the Oil Minister of Iraq (19 July 2016-24 October 2018) then followed by Thamir Al- Ghadhban (25 October 2018-6 May 2020) and Ihsan Abdul Jabbar (6 June 2020-27 October 2022) before the appointment of Hayyan Abdul Ghani on 27 October 2022.

Processing the applications of the 5<sup>th</sup> LBR was delayed due to global Covid-19 Pandemic, recession and local corruption case against the Iraqi Oil Minister Ihsan Abdul Jabbar among other causes.

**Table 1 lists the 22 oil companies** that responded to this announcement and applied to qualify, bid and attended the combined announcement bidding results for the 5<sup>th</sup>, 5<sup>th</sup> + and 6<sup>th</sup> Iraqi Licensing Bid Rounds on 11-13 May 2024 according to the Iraqi MoO website. The location map in **Figure 1 shows the blocks and fields on-offer in Iraq's 5<sup>th</sup>, [5<sup>th</sup> +] and First Gas (6<sup>th</sup>) Licensing Bid Round.**

**Table 1. Bidding Companies in Iraq's 5<sup>th</sup>, 5<sup>th</sup>+ and First Gas (6<sup>th</sup>) Licensing Bid Round**

| No. | Company   | Country of Origin        |
|-----|---|--------------------------|
| 1   | Shell   | Netherlands              |
| 2   | Sonangol P&P Iraq   | Angola                   |
| 3   | Qatar Energy  | Qatar                    |
| 4   | Dragon Oil  | UAE                      |
| 5   | ADNOC (Abu Dhabi National Oil Company)                    | UAE                      |
| 6   | ENI   | Italy                    |
| 7   | Total   | France                   |
| 8   | Petromina   | Indonesia                |
| 9   | Petronas  | Malaysia                 |
| 10  | TPAO (Turkiye Petrolleri Anonim Ortakligi)                | Turkiye                  |
| 11  | KAR   | Iraq (Kurdistan)         |
| 12  | ZhenHua Oil Co. Ltd.                                      | People Republic of China |
| 13  | Sinopec (China Petroleum and Chemical Corporation)        | People Republic of China |
| 14  | CNPC International (China National Petroleum Corporation) | People Republic of China |
| 15  | Geo-Jade Petroleum Corporation                            | People Republic of China |
| 16  | Anton Oilfield Services                                   | People Republic of China |
| 17  | CNOOC (China National Offshore Oil Corporation) Iraq      | People Republic of China |
| 18  | ZPEC (Zhongman Petroleum and Gas Group Corp. Ltd.)        | People Republic of China |
| 19  | UEG (United Energy Group)                                 | People Republic of China |
| 20  | Gazprom   | The Russian Federation   |
| 21  | Lukoil  | The Russian Federation   |
| 22  | British Petroleum   | United Kingdom           |

## Location Map of Iraq's 5<sup>th</sup>, 5<sup>th</sup>+ and 6<sup>th</sup> (Gas) Licensing Bid Rounds Blocks and Fields

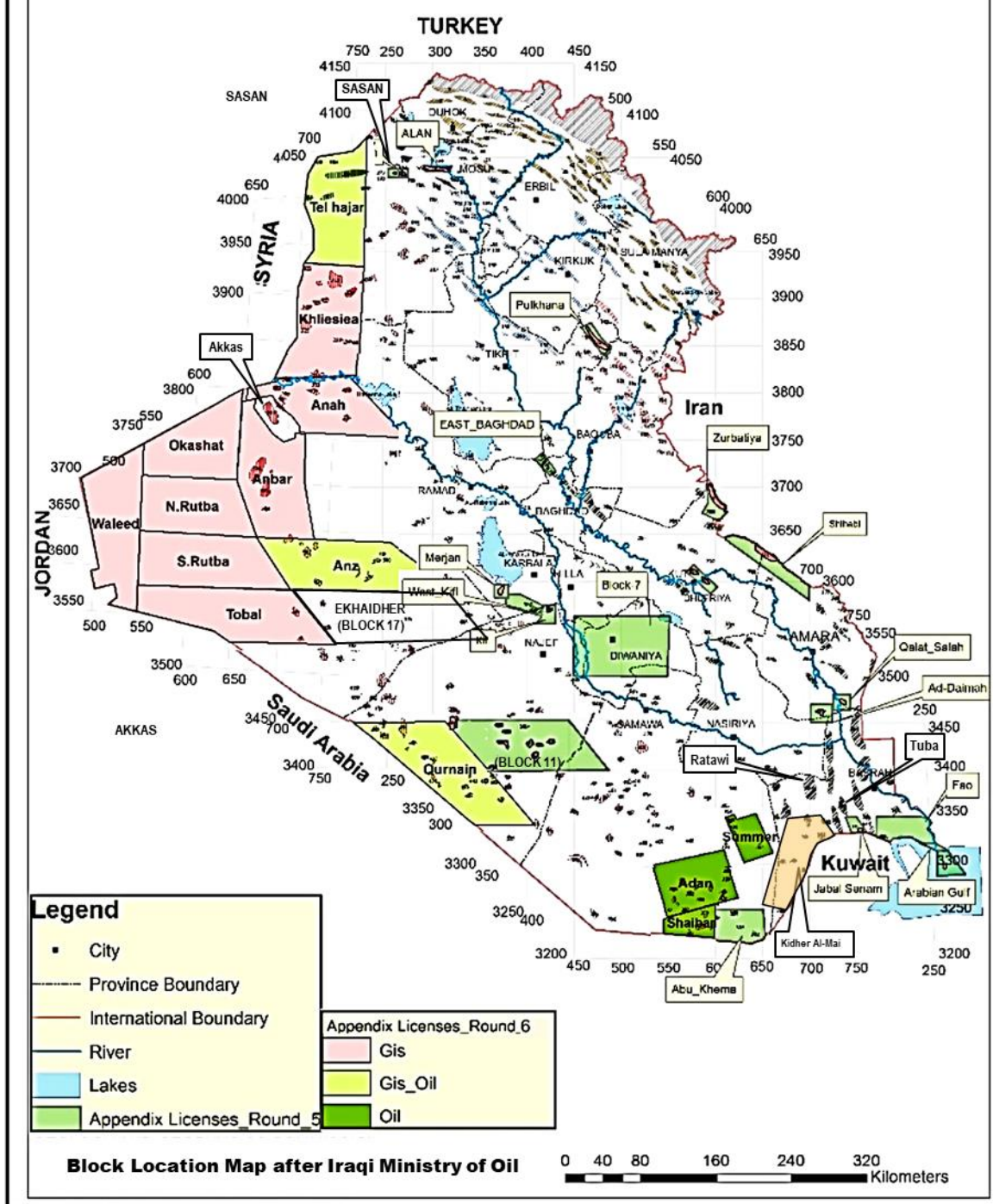


Figure 1. Blocks and Fields Locations Map of Iraq's 5<sup>th</sup>, [5<sup>th</sup>+] and (6<sup>th</sup>) Licensing Bid Rounds

## **Results (1-3/5/2024) of Iraq's 5<sup>th</sup> (2018) Licensing Bid Round**

The 5<sup>th</sup> licensing round was advertised on the 26<sup>th</sup> of April 2018 when Jabbar Al-Luaibi was Oil Minister of Iraq but results were announced in 1-3 May 2024.

**Table 2** lists 9 successful bidding results out of 11 blocks on offer with discovered and/or producing oil field in the 11 Blocks and Fields of License Bid Round 5.

**Table 2. Results (1-3/5/2024) of Iraq's 5<sup>th</sup> Licensing Bid Round (26/4/ 2018)**

| No. | Block or Field ( Area in Km <sup>2</sup> )               | Governorate                         | Bidding Result            | Comments (Contract)  |
|-----|--|-------------------------------------|---------------------------|--|
| 1   | Gilabat and Qamar Fields                                 | Diyala                              | Crescent Petroleum (UAE)  | Development (DPSA)   |
| 2   | Khashm Al-Ahmer and Injana Fields                        | Diyala                              | Crescent Petroleum (UAE)  | Development (DPSA)   |
| 3   | Naft Khaneh, Nau Doman, Jaria Pika and Tel Ghazal Fields | Diyala                              | Geo-Jade Petroleum (PRC)  | Development (DPSA)   |
| 4   | Zurbatiya *  | Wasit & Diyala?                     | No Bid                    | Development (DPSA)   |
| 5   | Shihabi * (1,428)  | Misan & Wasit                       | No Bid                    | Development (DPSA)   |
| 6   | Huwaiza  | Misan                               | Geo Jade Petroleum (PRC)  | Development (DPSA)   |
| 7   | Sindbad  | Basra                               | United Energy Group (PRC) | Development (DPSA)   |
| 8   | Fao * (1,398)  | Basra                               | No Bid                    | Exploration (EPSA)   |
| 9   | Jabal Sanam* (235)                                       | Basra                               | No Bid                    | Exploration (EPSA)   |
| 10  | Khidher Al-Mai Field                                     | Basra & Al-Muthanna                 | Crescent Petroleum (UAE)  | Development (DPSA) (Originally included Khidher Al- Mai and S. Khidher Al-Mai, Batin, Jerishan, Dibdibba, Rachi and S. Rachi Fields and Discoveries as well) |
| 11  | Arabian Gulf * (554)                                     | Iraq's CS & EEZ in The Arabian Gulf | No Bid                    | Exploration (EDPC) (Taken off the 5 <sup>th</sup> + LBR list of 15/5/2023)   |

## **Results (1-3/5/2024) of Iraq's [5<sup>th</sup>+] (2023) Licensing Bid Round**

In a press release on May 15, 2023, the spokesperson of the Iraqi Ministry of Oil announced that the MoO is inviting international and regional petroleum companies to review the pre-qualification and bid-submitting procedures and conditions set by the Ministry of Oil for participating in the [5<sup>th</sup>+] Blocks Licensing Bid Round. However, an unusually short time was set for due diligence reviews; as interested companies were to submit their applications and bids to the Ministry of Oil's Petroleum Contracts and Licensing Department (PCLD) ahead of the 15<sup>th</sup> of June 2023 bidding deadline. No applications deadlines were announced known for Bid Round 6. All enquiries and applications should be e-mailed to: [dq\\_pclد@oil.gov.iq](mailto:dq_pclد@oil.gov.iq)

On the same day 15 May 2023, Iraq's new Minister of Oil Hayyan Abdul Ghani invited international oil companies to bid for 13 blocks in the so called [5+] Licensing Round, that included nine new development blocks (Fields) plus four out of the five offered but not awarded blocks in Licensing Bid Round 5 of 2018. The MoO removed Iraq's only offshore block (Arabian Gulf (Block No.11 in the 2018 List) from the revamped blocks list of the LBR 5<sup>th</sup> of 15/5/2023, which are: 1. Fao Area in Basra Governorate, 2. Jabal Sanam Area in Basra Governorate, 3. Shihabi Area in Misan and Wasit Governorates, and 4. Zurbatia Area in Wasit Governorate.

The MoO added new blocks in LBR [5<sup>th</sup>+] which are mainly blocks with discovered but undeveloped fields for Hybrid Development Production Sharing-Technical Service Contracts (DPS-TSCs).

The fields on offer were: 5. Dima (Dimah) Field in Misan Governorate, 6. Qalat Saleh Area in Misan Governorate, 7. Northern extensions of East Baghdad Field in Baghdad and Salahuddin Governorates, 8. Dhafriya Field in Wasit Governorate, 9. Alan Field in Ninawa Governorate, 10. Sasan (Sarjoon) Field in Ninawa Governorate, 11. Pulkhana Field in Salahuddin Governorate, 12. Abu Khaimah Fields (Abu Khaimah and Abu Khaimah North Fields) in Al-Muthanna Governorate, and 13. Middle Euphrates Fields (Kifl, West Kifl, and Marjan Fields) plus the added Block 7 and Block 11.

**Table 3 lists the 15 blocks on offer by LBR 5+, and Figure 1 shows the location map of blocks and fields of the 5<sup>th</sup>, [5<sup>th</sup> +] and 6<sup>th</sup> Licensing Bid Rounds.**

**Table 3. Results (1-3/5/2024) of Iraq's [5<sup>th</sup>+] Licensing Bid Round (15/5/ 2023)**

| No. | Block or Field (Area in Km <sup>2</sup> )                  | Governorate   | Bidding Result                | Wells Within (Contract)   |
|-----|--|---|-------------------------------|---|
| 1   | Zurbatia Area * (519)                                      | Wasit   | Geo-Jade (PRC)                | No Known Discovery (EDPC)   |
| 2   | Shihabi Area * (1428)                                      | Misan & Wasit   | No bid                        | No Known Discovery (EDPC)   |
| 3   | Fao Area * (1,398)   | Basra   | United Energy Group (PRC)     | INOC Undev. Um Qasr Discovery (EDPC)  |
| 4   | Jabal Sanam Area * (235)                                   | Basra   | Geo-Jade (PRC)                | INOC Undev. Jabal Sanam Discovery (EDPC)  |
| 5   | Dima Field (Daimah) (451)                                  | Misan   | KAR (Iraq)                    | INOC's Dima-1 Discovery (EDPC)  |
| 6   | Qalat Saleh Area (318)                                     | Misan   | No bid                        | INOC's Qalat Saleh-1 Discovery (EDPC)   |
| 7   | North extension of East Baghdad Field (231)                | Baghdad & Salahuddin  | ZPEC (PRC)                    | INOC's 7 Wells Field (DPC)  |
| 8   | Dhafriyah (Dhufriyah) Field (369)                          | Wasit   | Anton Oilfield Services (PRC) | INOC's Dhafriyah-1 and Delineation Well Dhafriyah-2 Undev. Field (EDPC)                                   |
| 9   | Alan Field (162)   | Ninawa  | KAR (Iraq)                    | MPC's Alan-1 and Alan-2 Field (EDPC)  |
| 10  | Sasan (Sarjoon) Field (197)                                | Ninawa  | KAR (Iraq)                    | MPC's Sasan-1 and Sasan-2 Field (EDPC)  |
| 11  | Pulkhana Field (412)                                       | Salahuddin  | No bid                        | IPC 8 Wells Field (EDPC)  |
| 12  | Abu Khaimah Field (1,810)                                  | Al-Muthanna   | Zhenhua (PRC)                 | HYDR's Abu Khaimah-1 Discovery (EDPC)   |
| 13  | Middle Euphrates Fields (Kifl, West Kifl & Marjan) (1,073) | Najaf & Karbala   | ZPEC (PRC)                    | BPC+INOC 6 Wells in 3 Undev. Discoveries (DPC)  |
| 14  | Block 7 (6,000)  | Najaf, Muthanna, Wasit, Babylon and Al-Qadisiyah (Al-Diwaniyah) | CNOOC (PRC)                   | INOC's Dryhole Najaf-1 (according to scout info) and proximal to BPC's undeveloped discovery well Afaq-1. |
| 15  | Block 11 (8,000)   | Najaf and Al-Muthanna   | No bid                        | BPC's Ghalaisan-1 Oil Discoveries (EDPC)  |

## **Results (1-3/5/2024) of Iraq's 6<sup>th</sup> (1<sup>st</sup> Gas) (2023) Licensing Bid Round**

On the 18<sup>th</sup> of June 2023, Iraq's Ministry of Oil launched its' (6<sup>th</sup>) Licensing Bid Round as Iraq's First Gas Licensing Bid Round by a low key announcement of eleven new [patches] with proven and prospective gas potentials in western Iraq.

According to Hayan Abdul-Ghani the new Oil Minister of Iraq: "Due to high domestic and international demands for natural gas". The First Iraqi Gas Licensing Bid Round included eleven exploration [patches] when announced on 18/6/2023: 1-Tel Hajar and 2-Khleisia Blocks in Ninawa Governorate; 3-Anbar, 4-Anah, **5-Al-Anz**, **6-Akashat** (Okashat); 7-North Rutbah, 8-South Rutbah, 9-Tubal and 10-Al-Waleed Blocks in Al-Anbar Governorate and **11-Al-Quraynain Block in Al-Anbar and Al-Najaf Governorates**.

However, there are three main differences between the two published versions of the 6<sup>th</sup> LBR blocks location maps in 2024:

1. **The first version of the 6<sup>th</sup> LBR blocks location map** was published in early 2024 (by Khalid Al-Ansari after the Iraqi Ministry of Oil at Al-Eqtisad News website) **projects 11 Blocks over the 2003-2023 official Iraqi Governorates map, that shows the Al-Quraynain Block extending over the Al-Anbar Governorate and Al-Najaf Governorate areas.**
2. **The second version of the 6<sup>th</sup> LBR blocks location map** was published along with the bidding results of Iraq's First Gas (6<sup>th</sup>) Licensing Bid Round by the Iraqi MoO during the combined LBR award ceremony on 11-15 May 2024 **projects 14 blocks and one field (Akkas) on a modified Governorates map of Iraq, that completely contains Al-Quraynain Block within an enlarged Najaf Governorate.**
3. **The third difference between the first and second version of the 6<sup>th</sup> LBR blocks location maps, was that the Ekhaidher Block (Block 17) was badged Al-Anz in the first version, then got corrected in the second version of 6<sup>th</sup> LBR blocks location map, (Ibrahim 2024)**

When the time for submitting their biddings, western International oil companies attended the combined bid round on 11-13 May 2024, but absained from bidding, and 8 international Chinese companies got 13 blocks and fields in sothern Iraq, Iraqi KAR group (based in Irbil, Iraqi Kurdistan) got 4 fields and one very promising oil and gas block mainly in NW Iraq, with another Iraqi company Crescent Petroleum (based in Sharjah, UAE) got 3 new fields to add to their fields inventory in Iraq.

In general, Hayan Abdul-Ghani's " First Iraqi Gas Licensing Bid Round" was forgotten and got combined with the delayed 5<sup>th</sup>, 5<sup>th</sup>+ LBRs as the 6<sup>th</sup> Iraqi LBR at the unorthodox bidding results ceremony (**Ibrahim, 2024B**), but the bidding and processing of three bid rounds became dissapointing when the Akkas giant gas field was handed over to an unknown Ukranian registered company to develop and produce it (**Jiyad, 2024**).

**Table 4 Shows the bidding results of LBR 6** with fourteen blocks and one field on offer in an augmented First Gas Licensing Bid Round of Iraq on May 11-13, 2024, and **Table 5 lists some of our none-exclusive reports on the Petroleum Geology of Iraq.**

**Table 4. Bidding Results (11-13/5/2024) of Iraq's 6<sup>th</sup> (First Gas) Licensing Bid Round of 18/7/2023 (\*after Iraqi Ministry of Oil, different areas from different MoO Directorates).**

| No. | Block or Field (Area in Km <sup>2</sup> )*   | Governorate   | Bidding Result   | Comments & Exploration Wells   | Contract   |
|-----|--|---|--|--|--|
| 1   | Tel Hajar (7,300)  | Ninawa  | No bid received  | 3 INOC's Tel Hajar-1 Ain-Ghazal-1 and Abtakh-1 discoveries                                       | Exploration, Development and Production Contract |
| 2   | Khleisia (7,300)   | Ninawa in 2023, then Ninawa & Anbar in 2024                           | KAR (Iraq)   | MPC Khleisia-1 Discovery   | EDPC   |
| 3   | Anbar (8,5004)   | Al-Anbar  | No bid received  | None   | EDPC   |
| 4   | Anah (7,100)   | Al-Anbar  | No bid received  | MPC Discovery Well Anah-1 and delineation well Anah-2, and INOC Al-Qaim-1 and Tlul-1 discoveries | EDPC   |
| 5   | Al-Anz** (8,521-8,811)   | Al-Anbar  | No bid received  | None   | EDPC   |
| 6   | Akashat (6,665)  | Al-Anbar  | No bid received  | None   | EDPC   |
| 7   | North Rutba (6,500)  | Al-Anbar  | No bid received  | None   | EDPC   |
| 8   | South Rutba (7,907)  | Al-Anbar  | No bid received  | None   | EDPC   |
| 9   | Tobal (Tubal) (9,001)  | Al-Anbar  | No bid received  | None   | EDPC   |
| 10  | Al-Waleed (8,300)  | Al-Anbar  | No bid received  | None   | EDPC   |
| 11  | Quraynain (8,500)  | Al-Anbar & Al-Najaf in 2023, then within enlarged Najaf Gov. in 2024. | ZHENHUA (PRC)  | None. (Block 6 in pre-2003) Proximal to BP's Safawi-1 and Ghalaisan-1 Oil Discoveries            | EDPC   |
| 12  | Sumer (1,700)  | Al-Muthanna added in 2024   | SINOPEC (PRC)  | None. Proximal to several discoveries  | EDPC   |
| 13  | Addan (4,400)  | Al-Muthanna added in 2024   | No bid received  | None but proximal to several discoveries   | EDPC   |
| 14  | Shaiban (2,100)  | Al-Muthanna added in 2024   | No bid received  | None but proximal to several discoveries   | EDPC   |
| 15  | Akkas Field  | Al-Anbar added in 2024  | UKRZEMRESURS (Ukrainian, Reg. 2024) signed Akkas Gas Field's DPSC with MoO on 25 <sup>th</sup> April 2024  | 5 Wells, Oil Gas and Cond.   | DPC  |
| **  | Al-Ekhaidher (Block 4 of pre-2003, rebadged as Block 17 in 2019) (12,600 Km <sup>2</sup> ) | Al-Anbar  | STORYTRANSGAZ (Russian) Signed this block as EDPSC first in January 2003 then in 5/9/2019). Block appeared as Al-Anz in 6 <sup>th</sup> Bid Round list of 2023, then removed from the 6 <sup>th</sup> Bid Round list in 2024 and replaced by Al-Anz Block. | INOC's oil discovery well Ekhaidher-1 and delineation well Ekh-2                                 | EDPC?  |

**Table 5. Target ECL's Reports on the Petroleum Geology of Iraq, Iran, Kuwait and Syria\*\***

| No. | Block or Field   | Target Report           | Target Report           | Target Report           |
|-----|--|-------------------------|-------------------------|-------------------------|
| 1   | Gilabat and Qamar Oil Fields   | <a href="#">Tar-04</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 2   | Khashm Al-Ahmer and Injana Oil Fields  | <a href="#">Tar-04</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 3   | Naft Khaneh, Nau Doman, Jaria Pika and Tel Ghazal Oil Fields   | <a href="#">Tar-04</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 4   | Zurbatiya *  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 5   | Shihabi *  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 6   | Huwaiza Oil Field  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 7   | Sindbad Oil field  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 8   | Fao Area Including Umm Qasr-1*   | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 9   | Well Jabal Sanam-1*  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 10  | Khidher Al-Mai, S. Khidher Al-Mai, Batin, Jerishan, Dibdibba and S. Rachi Oil Discoveries, and Rachi Field | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-74</a>  |
| 11  | Arabian Gulf *   | <a href="#">Tar-02</a>  | <a href="#">Tar-77</a>  | <a href="#">Tar-160</a> |
| 12  | Dimah Oil Field  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 13  | Qalat Saleh Area   | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 14  | N. Extensions of East Baghdad Oil Field  | <a href="#">Tar-04</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 15  | Dhafriyah Oil Field  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 16  | Alan Oil Field   | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-74</a>  |
| 17  | Sasan Oil Field  | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-74</a>  |
| 18  | Pulkhana Oil Field   | <a href="#">Tar-04</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 19  | Abu Khaimah and Abu Khaimah North Oil Fields   | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-74</a>  |
| 20  | Middle Euphrates (Kifl, West Kifl and Marjan) Fields   | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-155</a> |
| 21  | Tel Hajar (INOC's Wells Tel Hajar-1, Ain Ghazal-1 and Abtakh-1)  | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 22  | Khleisia (including Well Khleisia-1)   | <a href="#">Tar-10</a>  | <a href="#">Tar-139</a> | <a href="#">Tar-77</a>  |
| 23  | Anbar (including Stratigraphic Key Wells)  | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  | <a href="#">Tar-77</a>  |
| 24  | Anah (Wells Anah-1, Anah-2, Al-Qaim-1 and Tlul-1)  | <a href="#">Tar-03</a>  | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  |
| 25  | Al-Anz (including Stratigraphic Key Wells)   | <a href="#">Tar-03</a>  | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  |
| 26  | (INOC's Block 17, including Wells Ekhaider-1 and Ekhaider-2)   | <a href="#">Tar-155</a> | <a href="#">Tar-03</a>  | <a href="#">Tar-02</a>  |
| 27  | Akashat (including Stratigraphic Key Wells)  | <a href="#">Tar-03</a>  | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  |
| 28  | North Rutbah (including Stratigraphic Key Wells)   | <a href="#">Tar-03</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 29  | South Rutbah (including Stratigraphic Key Wells)   | <a href="#">Tar-03</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 30  | Tubol (including Stratigraphic Key Wells)  | <a href="#">Tar-03</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 31  | Al-Waleed (including Stratigraphic Key Wells)  | <a href="#">Tar-03</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 32  | Al-Quraynain (including Stratigraphic Key Wells)   | <a href="#">Tar-36</a>  | <a href="#">Tar-03</a>  | <a href="#">Tar-02</a>  |
| 33  | Akkas Field  | <a href="#">Tar-03</a>  | <a href="#">Tar-10</a>  | <a href="#">Tar-13</a>  |
| 24  | Block 7 (including Well Najaf-1)   | <a href="#">Tar-19</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 35  | Block 11 (including Well Ghaaisan-1)   | <a href="#">Tar-36</a>  | <a href="#">Tar-37</a>  | <a href="#">Tar-02</a>  |
| 36  | Ratawi Field   | <a href="#">Tar-21</a>  | <a href="#">Tar-19</a>  | <a href="#">Tar-02</a>  |
| 37  | Tuba Field   | <a href="#">Tar-19</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 38  | Sumer  | <a href="#">Tar-19</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 39  | Addan  | <a href="#">Tar-19</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |
| 40  | Shaiban  | <a href="#">Tar-19</a>  | <a href="#">Tar-02</a>  | <a href="#">Tar-13</a>  |

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