



Rafidain Land and Mines

1- Iraq is one of the countries which suffer from mines war remains for many years . IRAQ have the most numbers of mines among countries because of inner and regional wars.

These mines and war remains threaten the civilians and re-constructions plans .

In spite of developing operations of mines treatment for the past years in many countries , but the operations in Iraq still insufficient ,though Iraq is a member in (Ottawa) confection .

In spite of the dangerous effect of mines in Iraq after security stability and the start of investment , specially in oil sector , when the operational companies face many dangers and obstacle because of mines and war remains , they face mines explosions daily which causes many death and injury cases to innocent persons.

2- Statistics of mines affairs office in ministry of environment , point out that **(1700)** square Km. we are polluted with **25** million mines and one million tons of unexplosive bullets and rockets , and the rupted persones by hand and legs are ranged between **80-100** thousands and the rate of **70% -80%** of them are lost their legs , **80%** of those are caused by mines .

Statistics point out that **(10232)** areas are polluted and signed in Iraq ,**(600,000)** tons of rockets , bullets ,and mortar grenades are still unexploded , and scattered all





over iraq.

3-Reports of International organizations point out that **15%-40%** of clustered bombs which consist of **200** small bombs are still unexploded , the changed to land mines too .By small mathematic operation , if we suppose that **15%** of these clustered bomes changto mines , that means . Iraq has **(8,250,000)** million land mines or **(1,650,000,000)** small land mines by assumption that each clustered bombe contanes **200** small bombs .

Iraq experts estimated that (25) million mines are still in the land of Iraq , statistics point out that .

This number from a quarter of all the unexploded mines all over the world .

The number of the clustered bombs which thrown on iraq , according to the declaration of the ministry of environment , on **(2.8.2010)** , are **55** millions clustered bombs, by average of two bombs for each Iraqi citizen lives in Iraq , This statistics for the period 1991-2003 so you can imaging the number if we account of the bombs thrown on Iraq after **2003**.

4- Land mines simply , explodes by persons or by vehicle mine contains explosive- material in a plastic , wooden or metal cover , it is supplied by ignition means .

Mines classified into two types , which are anti- tanks and anti –persons mines .

There are mines anti-light vehicles ,Anti - persons are of four types , which are , explosion – pressure , fragments , Jumping and monitored fragmented mines all these mines operated by pulling or release of pushing and by other





means.

5-The explosives of war remains are unexploded munitions or exploded munitions left , or un exploded munitions like bombs , canon missiles , mortar and hand grenades , which were used and unexploded as designed by crashed in the ground or any surface .

6- Finally . we would like to point out that the danger of mines and war remains are exceeded operations of killing and causing disability of thousands of persons every year . as well the social, economic , and environment al effect on long range.

So the lost of agriculture lands , reaching water – resources , and handicapped re- construction operations and development and postponing developing destroyed industrial projects , which are the most critical dangers which effect to develop society , specially the rural areas and oil- production areas which many decrease the ability of the country to produce oil, and decrease .

The ability of the country to re- build normal life , this will lead to the importance of the international organizations , the local organizations and companies which concern





which mines –removal and cleansing the polluted areas of war remains .

General briefing on AL- Fahad company for mines removal

1- Name and location of the company AL –Fahad Company for mine –removed .ltd.

It is an Iraqi company specialized with mine – treatment and unexploded bombs and war-remains.

Main location : 17St.Ramadi- An bar Government – Iraq

Second Branch: 611.54- Dowodi – Mansour Baghdad.

Nob:0770894756

07706620369

Email: m_Shadhan@yahoo.com

2- Foundation of the company

It is founded on 15-3-2011 matched 10-4-1432 H with company of (100,000,000) I.D according to foundation certificate,, issued by companies registration office under





No. Mesh -2-77688, according to the law of companies
No.21. Dated 1997, amended –(A) attached .

Annex

3- Purpose of establishing the company

A-Participate in the backing of national economy and the economic development process through participation in the process of purging Iraqi lands contaminated with mines and unexploded bombs and remains of wars rendering them harmful to secured public and prepare Iraqi lands for conducting Investment projects to be in line with expeditions for the reconstruction of the country which was destroyed due to wars that occurred on its land for a period of time .

b- Participate in activities aiming to reduce the social , economic , and environmental reflections resulting from mines and unexploded projectiles . Works related to mines are not limited to purging only , but shall include also public and communities and how they are harmed due to contamination by land mines and other war remains to the level which enables the public to live safely and where economy social , and sanitary development may take place without restriction due to contamination by land mines and war remains .





Principles of work at Fahad company for mines –Removal

- 1- Safety of personnel of company.
- 2- Precision executing cleansing (of land polluted by mines).
- 3- Honesty in cleaning with information and documents.
- 4- High precautions procedures when dealing with explosions.
- 5- Precise operation by using real information about polluted areas and safe areas on maps.
- 6- Medical good support on operation- locations, with a

trained medical evacuation plan.

7- High quickness to evacuate injuries and good first aids to mountain lives until reaching hospital.



Practical activates of the company

We got the license to perform the following activities, according to the letter of ministry of environment, mines affair office ,No. **D. 9/5/490** on 3.5.2011 after applied all necessary documents by our company; we attached a copy of this letter.

Practical activities

- 1- General survey.
- 2- Technical survey.
- 3- Manual means of mine – removed.
- 4- Means / survey or cleansing.
- 5- War – remains explosion.
- 6- Surface – cleansing for war area.
- 7- Under – surface cleansing of war areas.



Staff of company

The company administered by personal of experience in the engineering acts in the field of mines – treatment and unexploded munitions as they worked before officers in



the field engineering unites in the for Iraqi army – they have experience no less than (15)years , they participated in developing courses on new of work by efficient becturers who methods have experience certificate granted by special foreign companies like, **Ranco** company and Iraq mine – cleansing organization (**IMCO**) they are elite of retired officers , and soldiers worked in military engineering field of ex- Iraqi army .

1- Executive director – Retired officer by Rank staff colonel.

2- Operation Director – officer with rank staff Brigadier (refried) in the field engineering .

3- Team leaders- refried officers , lieutenant – colonels – field engineering.

4- Surveyors and treatment –officials- they are soldiers and ranked –soldiers in field – engineering from the –Ex-Iraqi army.

5-Adminsitration and Data system- we have efficient and experienced Data –system and personal who have scientific certificate. We have the sections of computer . Auditor, financial and law section , trams potation , and personnel affairs , annex (**B**) point out the organizational chart of company.



Equipments and Devices used

1-Personal- protection devices;

Our company supplied all personnel with these equipment , which illustrate in photos attached with this letter and as follows ;

- A.** Helmets and fizzers.
- B.** Protection shield.
- C.** Protection –gloves for elbows and keens.
- D.** Over –all suits special for company.
- E.** Protection – gloves.



2. Specialized Equipments:

We will attach with these letter photos of same equipments used in our company which contion;

A- Mines – finders of following kinds;



- Titan 3000XD.

-Minicab F313(Swedish origin).



- SCHON STEAD –AG-72(American origin).



B- Laser range estimator's kind;

- DLE 50 professional,



-DLE150 Professional.



C- location – finder device; Germany made.



D- Wireless communication device; Moforo La.



E- Compasses.

3- Work Materials;

A- Long wooden piles.

B- Short wooden piles.

C- Sign triangles for mines and unexploded bombs.

D- Sign triangles for areas.

E- Red ribbons for sign and beware ness.

F- Bag for collecting strange materials.

G- Complete work –Kit for the needs of work – team,
illustrated by the attached photos with this letter.





Mines–Removal is a humanitarian function (it is our aim).

Mines –Removal is considered one of five acts related to mines in large meaning contains , survey operations maps preparing ,signs of mines field and actual mines –removal operations from land .

These activities are what is called mines – removal.

There are two kinds of mines – removal,

The military one is an operation type.

The military one is an operation is acted by soldiers to open a passage in the mine –field, to enable them to pass through in the time of war, it is used to pass the vehicles . the military idiom is mean " penetration" this operation is usually face some casualties . This kind of operation cold be performed by military operations could be performed by military units according to international standards the humanitarian one is different by long scale. This kind aims to clean land to enable civilians to have their routine activities without facing the danger of mines war- remains and the unexploded bombs. that means to remove all mines, war remains and all the unexploded bombs from areas where people live and have activities , to secure them in the cleansing areas – when mines are removed that mean to declare safe areas without any doubt and can be used by people without fear .Aim of humanitarian mine –





removal is to keep peace and security on the locale and social level . survey operations or information officially gathering to mines , will be required before mines removal , and operations of pointing out social and economic effect evaluation of mines – pollution , will help to point out the priorities of area – cleansing, these information conclude mines – fields – records (if available) any information concerning mine- casualties , and inter viewing ex- solders or local community survey operations which fix lines of mine – fields and any available mines – map for cleansing all these will be store in Data – system .

This will male available of any Base – Data for cleansing organizations and planning of operations.

And fix signals to point out mines – fields when we appointing mine –area. Cleansing – operations can not be performed only, this should be accompanied by information and declaration campaign to prepare local community and to inform them about that signals mean.



AL- Fahad company for mines removal



The importance of manual – cleansing

Manual cleansing which depend on expert personnel dealing with mines – cleansing by using exploring equipments of metal long and short nails to point the places of mines and defecting them by using explosion – nail removing from mine , this way is a very successful to clean all mines from the field . Using dogs to explore mines lead by special guides to remove –mines manually, this way by using the small – ability of dogs to find places of mines.

Cleansing and removal by using mechanical way which

depend on mines –cleansing machines which linked with armored tractors to destroy mines in the lands , and the cost is very expensive.

For many cases we don't depend on these machines (100%) we use some other technical ways , about still the manual way is a favorable way to cleanse all mines .

So our company is specialized with manual mines –cleansing war remains and unexploded muffins dealing as humane mission.



Operation style of AL-Fahed Company for mines cleansing

1- Our style we lead in our company of mines cleansing , war remains and unexploded munitions is according to standard operation procedures (SOP) which is special for our company and approved by ministry of environment / mines–affairs office , as (SOP) contain all details relating to this field and for all stages from information gathering stage and to the cleansing stage and writing the final

report .Also it contains the safety precautions for personnel in addition to all responsibilities and duties of personnel and how dealing with explosives , transport them , store them or exploded them . and remove them .Also it contains report –writing guide treatment reports , reconnaissance reports land survey reports , technical survey reports , and all details which (SOP) contains , we consider (SOP) our guide – to work;

It contains also details to perform operations by high quality and high safety.

There are illustration charter shows the operations of fixing permanent signals and an illustration plan for wooden poles and Base –pole, and, mines signs taken from (SOP).



Operation stages of the company system of mine –cleansing

Sequences of duties;



1- information Gathering ;

this will be done after receiving mission by the other party for reading a successful operation a lot of information should be available to put an executive – plan to perform the duty.

2- Reconnaissance stage;

The location of missions the full need to move to the for field by the reconnaissance team of the company which formed of operations director team –leaders and exploring accompanied by an official from mines affair office. The reconnaissance teams will all duties of (SOP) which facilitate the next operation.

3-Technical survey stage:

The aim of this stage to make sure that (mined) areas fixed by formal stage, and also to sign separation borders between polluted areas and safe areas, defines kinds of mines and bombs or any unexploded munitions and defines the kind of soil.

4- Cleansing stage (Actual mine – removal)

After fencing the polluted areas by technical survey team, the following stage is the operation of cleansing team according to (SOP), after finishing cleansing –operation completely, the quality – testing team will operate to certify the quality and make sure the completion of cleansing –operation, all these operations followed the moving of all company personnel to the site and organizing the work - sit.



5- Data –registrations and reports stage;

In this last stage, we put down all information and Data in right and precise way to guarantee the success of mission it is important to inter all information and data in data – base system of the company

