WATER SOURCE ACCESS PERMISSIONS

CIVIL UNREST

CHECKPOINTS

TRAVEL PERMISSIONS

TURKEY BORDER CLOSURES

ROAD CLOSURES

USD/IQD EXCHANGE RATE

Baseline capacity: 1.6 M litres per day per factory (average)

156 boreholes, 138 of which are functional

Vol: 30 L / pers / day

Total needed per day: 2,787,660 L

Vol: 30 L / pers / day

Total needed per day: 6,583,500 L

P: IQD 110 / L

P: IQD 167 / L

P: IQD 167 / L

P: IQD 625 / L

P: IQD 5 / L

HOST COMMUNITY

INGOs & BRHA

IDPs & REFUGEES

MAIN WATER STATION

PRIVATE BORE HOLES

PUBLIC BORE HOLES

PRIVATE BORE HOLES

PUBLIC BORE HOLES

MAIN WATER STATION

WATER TRUCK STATION

WATER TRUCK OWNER/DRIVER

WATER NETWORK

BOTTLED WATER VENDOR

BOTTLED WATER FACTORY

BOTTLED WATER INTERMEDIARY SUPPLIER

RIVERS & DAMS

LARGE WATER STORAGE AT SOURCE

ELECTRICITY SUPPLY

ROADS

WATER TRUCKS

WATER FILTER

SPARE PARTS FOR TRUCKS

HOUSEHOLD WATER STORAGE

COMMUNITY WATER TREATMENT SYSTEMS

COMMUNITY WATER STORAGE

FOOD

FUEL

Symbol Key:

! Critical issue

X Major disruption

/ Partial disruption

P: Price

V: Volume

Color Key:

BOREHOLES

RIVERS & DAMS

BOTTLED WATER

WATER NETWORK
DRINKING WATER MARKET SYSTEM in the NINEWA PLAINS, Northern Iraq – SHOCK SCENARIO

The market environment: institutions, rules, norms & trends

- WATER SOURCE ACCESS PERMISSIONS
- CIVIL UNREST
- CHECKPOINTS
- TRAVEL PERMISSIONS
- TURKEY BORDER CLOSURES
- ROAD CLOSURES
- USD/IQD EXCHANGE RATE

Baseline capacity: 1.6 M litres per day per factory (average)

156 boreholes, 138 of which are functional

Vol: 30 L / pers / day
Total needed per day: 6,583,500 L

P: IQD 110 - 189 / L

Vol: 30 L / pers / day
Total needed per day: 6,000,000 L to 21,000,000 L

P: IQD 167 - 253 / L

The market chain: market actors & their linkages

- WATER TRUCK STATION
- WATER TRUCK OWNER/DRIVER
- HOST COMMUNITY
- INGOs & BRHA
- IDPs & REFUGEES
- NEW IDPs

Key infrastructure, inputs, market-support services

- MAIN WATER STATION
- PRIVATE BORE HOLES
- PUBLIC BORE HOLES
- BOTTLED WATER FACTORY
- BOTTLED WATER VENDOR
- BOTTLED WATER INTERMEDIARY SUPPLIER
- WATER NETWORK
- RIVERS & DAMS
- ELECTRICITY SUPPLY
- ROADS
- WATER TRUCKS
- WATER FILTER
- SPARE PARTS FOR TRUCKS
- HOUSEHOLD WATER STORAGE

Color Key:
- BOREHOLES
- RIVERS & DAMS
- BOTTLED WATER
- WATER NETWORK

Symbol Key:
- Critical issue
- Major disruption
- Partial disruption

P: Price
V: Volume
CREDIT MARKET SYSTEM in AL-SHIKHAN and TILKAIF DISTRICT, NORTHERN IRAQ – CURRENT SITUATION

The market environment: institutions, rules, norms & trends

- ECONOMIC CRISIS
- SOCIAL COHESION
- STABLE EXCHANGE RATE
- EMPLOYMENT OPPORTUNITIES
- CREDIT GUARANTORS
- SECURITY
- TRUST

The market chain: market actors & their linkages

COMMERCIAL BANKS:
- N: 6
- Fee Rate: 5%

MFIs:
- N: 5
- Interest Rate: 12%

Government Banks:
- N: 9

LARGE TRADERS

SMALL SHOPS / LOCAL TRADERS:
- N: ?

SAVING / LENDING GROUPS:
- N: ?

HOST HHs

POOR HOST HHs

Target Groups

COMMUNICATIONS

PERSONAL ASSETS

MARKETPLACES

REGULAR INCOME

QI CARDS

HAWALAS

<table>
<thead>
<tr>
<th>Colour key:</th>
<th>Cash vs In-Kind</th>
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<td>In-kind [] []</td>
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<td>Informal actors</td>
<td>Cash</td>
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<td>[] []</td>
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<td>Total disruption</td>
<td>[] []</td>
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<tr>
<td>Critical issue</td>
<td>[] []</td>
</tr>
</tbody>
</table>

N: Number of actors
CREDIT MARKET SYSTEM in AL-SHIKHAN and TILKAIF DISTRICT, NORTHERN IRAQ – SHOCK SCENARIO

The market environment: institutions, rules, norms & trends

The market chain: market actors & their linkages

COMMERCIAL BANKS:
N: 6
Fee Rate: 5%

MFIs:
N: 5
Interest Rate: 12%

Government Banks:
N: 9

LARGE TRADERS

SMALL SHOPS / LOCAL TRADERS
N: ?

SAVING / LENDING GROUPS
N: ?

HOST HHs

CURRENT IDPs

POOR HOST HHs

NEW IDPs (MOSUL)
Survival and livelihoods needs

NEW IDPs (MOSUL)
Survival needs

Target Groups

Target Groups

Target Groups

KEY INFRASTRUCTURE, INPUTS, MARKET-SUPPORT SERVICES

COMMUNICATIONS

PERSONAL ASSETS

MARKETPLACES

REGULAR INCOME

CASH FOR MOSUL IDPs

QI CARDS

HAWALAS

COLOUR KEY:

Cash vs In-Kind

Target groups

In-kind

Emergency

In-kind

Critical issue

N= Number of actors
WHEAT FLOUR MARKET SYSTEM in AL-SHIKHAN and TILKAIF DISTRICT, NORTHERN IRAQ – CURRENT SITUATION (Feb. 2016)

The market environment: institutions, rules, norms & trends

The market chain: market actors & their linkages

Key infrastructure, inputs, market-support services

Colour key:
Target groups
Critical issue
Partial disruption
Total disruption
WHEAT FLOUR MARKET SYSTEM in AL-SHIKHAN and TILKAIF DISTRICT, NORTHERN IRAQ – SHOCK SCENARIO

The market environment: institutions, rules, norms & trends

- MIN. OF TRADE & MIN. OF AGRICULTURE
- TURKEY BORDER CLOSURE
- EXCHANGE RATE USD/IQD
- REGISTRATION OF IDPS (ASAYISH, MoDM and PDS)

The market chain: market actors & their linkages

- Importers and large wholesalers
- District traders
- Bakeries
- Sub-district and village traders
- Existing IDPs
- Refugees
- Host community
- New IDPs (not registered yet) (200,000?) (500,000?) (700,000?)

- Farmers
- Shekhan & Tilkaif

- International food companies & Millers

- General Company of Grain Trading

- International wheat imports

- WFP

- Millers

- Food agents

Key infrastructure, inputs, market-support services

- GOVERNMENT SILOS
- TRUCKS / TRANSPORTATION
- ELECTRICITY
- HARBUR (AM-ALQASIR)
- HARVESTING SEASON/ SUPPORT TO FARMERS (LABORS/TRACTORS)
- FUEL
- INFORMAL CREDIT
- ROADS

Colours:

- Target groups
- Critical issue
- Partial disruption
- Total disruption

P: 25-35,000 IQD per 50-kg bag
P: 700,000 IQD / ton

N: Number of actors
P: Price
V: Volume

ECONOMIC CRISIS
SOCIAL COHESION
GOVERNANCE ISSUES

MASSIVE INFLUX OF IDPs

MIN. OF TRADE
& MIN. OF AGRICULTURE

MIN. OF INDUSTRY
& MIN. OF ENERGY

MIN. OF DEFENSE
& MIN. OF INTERIOR

REGISTRATION OF IDPS
(ASAYISH, MoDM and PDS)

ECONOMIC CRISIS

REGISTRATION OF IDPS
(ASAYISH, MoDM and PDS)

HOST COMMUNITY

NEW IDPS

EXISTING IDPS

NEED 930t / month

NEED 2,194t / month

NEED 930t / month

NEED 2,194t / month

Urgencies:

- Critical
- Partial
- Total

HARBUR (AM-ALQASIR)

General Company of Grain Trading

Importers and large wholesalers

District traders

Sub-district and village traders

Bakeries

WFP

Food agents

SILOS

TRUCKS / TRANSPORTATION

ELECTRICITY

HARBUR (AM-ALQASIR)

HARVESTING SEASON /
SUPPORT TO FARMERS
(LABORS/TRACTORS)

FUEL

INFORMAL CREDIT

ROADS

GOVERNMENT

SILOS

TRUCKS / TRANSPORTATION

ELECTRICITY

HARBUR (AM-ALQASIR)

HARVESTING SEASON /
SUPPORT TO FARMERS
(LABORS/TRACTORS)

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SILOS

TRUCKS / TRANSPORTATION

ELECTRICITY

HARBUR (AM-ALQASIR)

HARVESTING SEASON /
SUPPORT TO FARMERS
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HARVESTING SEASON /
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