



CONSULATE
GENERAL
OF ITALY
JERUSALEM



MINISTRY
OF LOCAL GOVERNMENT
DIRECTORATE OF JOINT
SERVICE COUNCILS



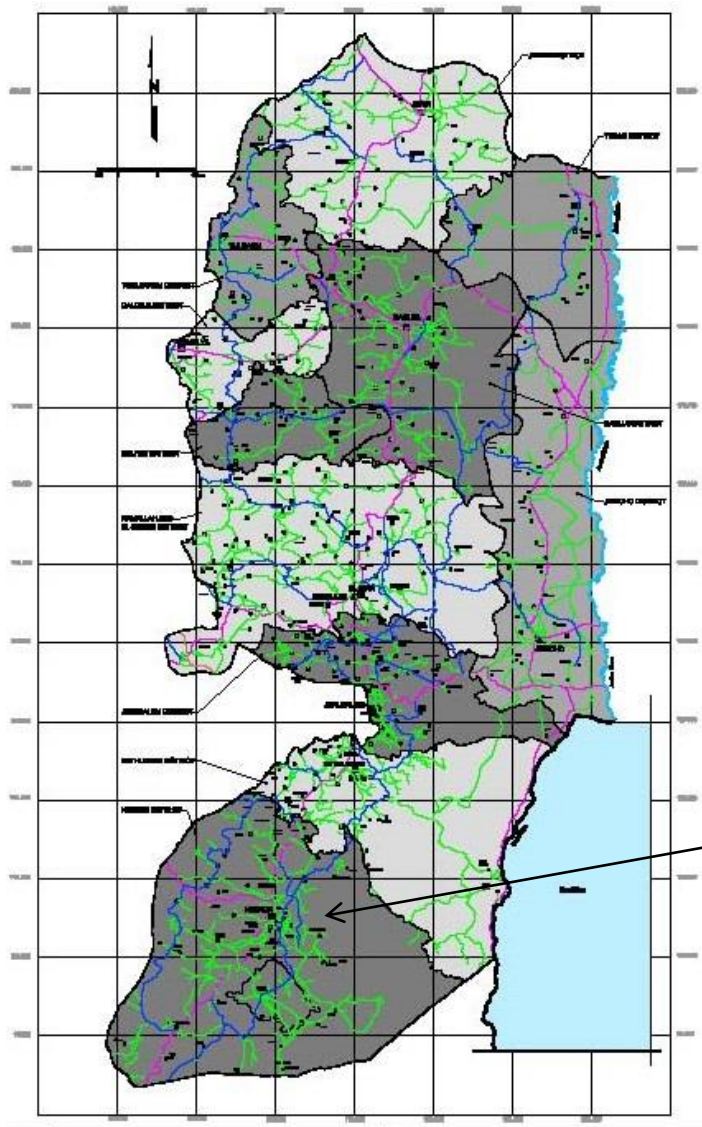
PMSP | PALESTINIAN
MUNICIPALITIES
SUPPORT
PROGRAM



Supporto alla Municipalità di Hebron (Palestina) per il miglioramento gestionale delle reti idriche e fognarie



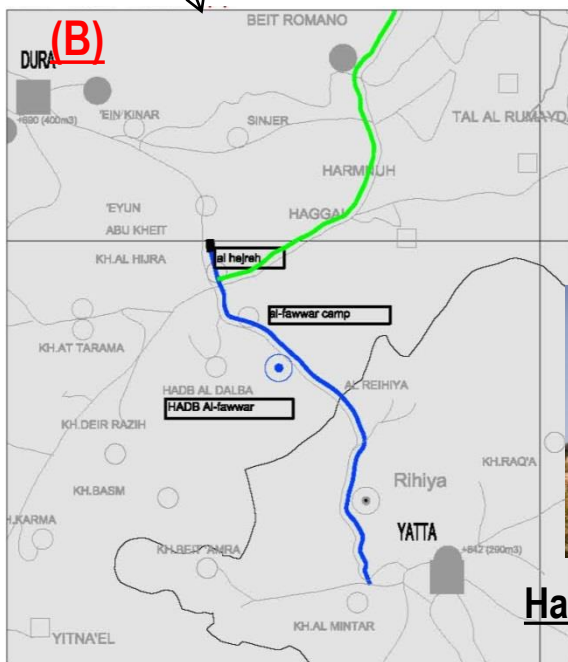
- Le attività si sono sviluppate all'interno del progetto denominato “**Capacity enhancement of water and sanitation department in Hebron Municipality**”, progetto sponsorizzato dall'ento PMSP (Palestinian Municipality support program del settore cooperazione del Ministero Italiano), dal comune di Genova e dal comune di Hebron.
- IREN Acqua Gas con il supporto di Ai Engineering hanno fornito l'assistenza tecnica alle attività
- Obiettivi
 - Analisi delle reti al fine di fornire proposte migliorative
 - Training del personale e proposte di miglioramento gestionale
 - Fornitura di materiale
 - Supporto tecnico nella progettazione e costruzione della nuova sede



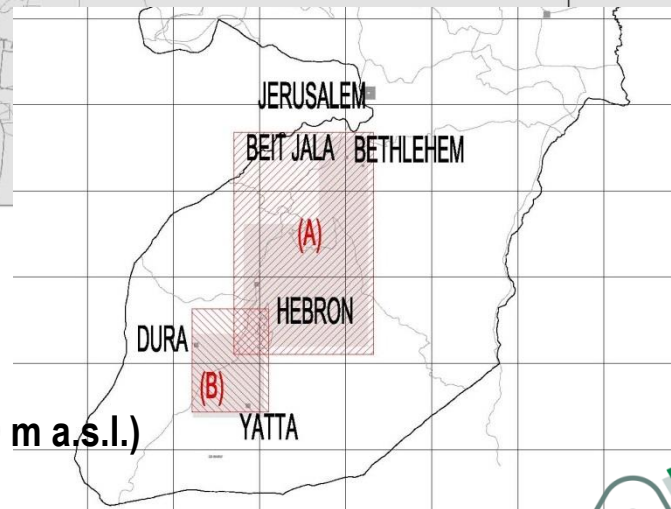
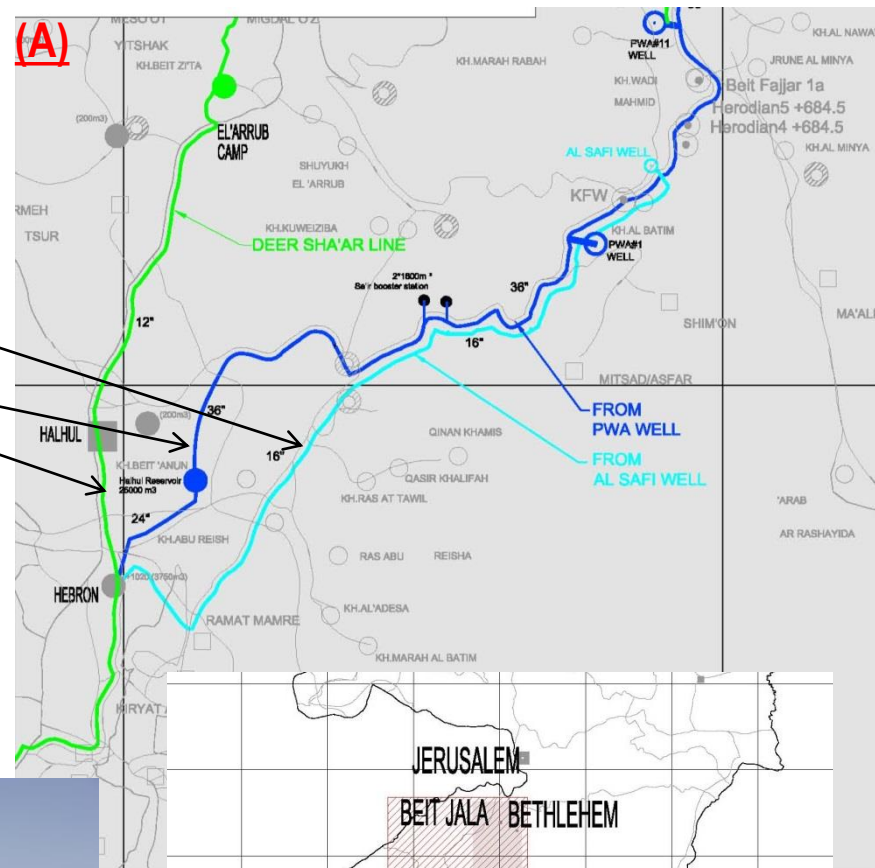
Localizzazione del Governatorato di Hebron: Southern West Bank territories
Dimensioni: 1060 km²
Popolazione : 552.164 (censimento 2007)

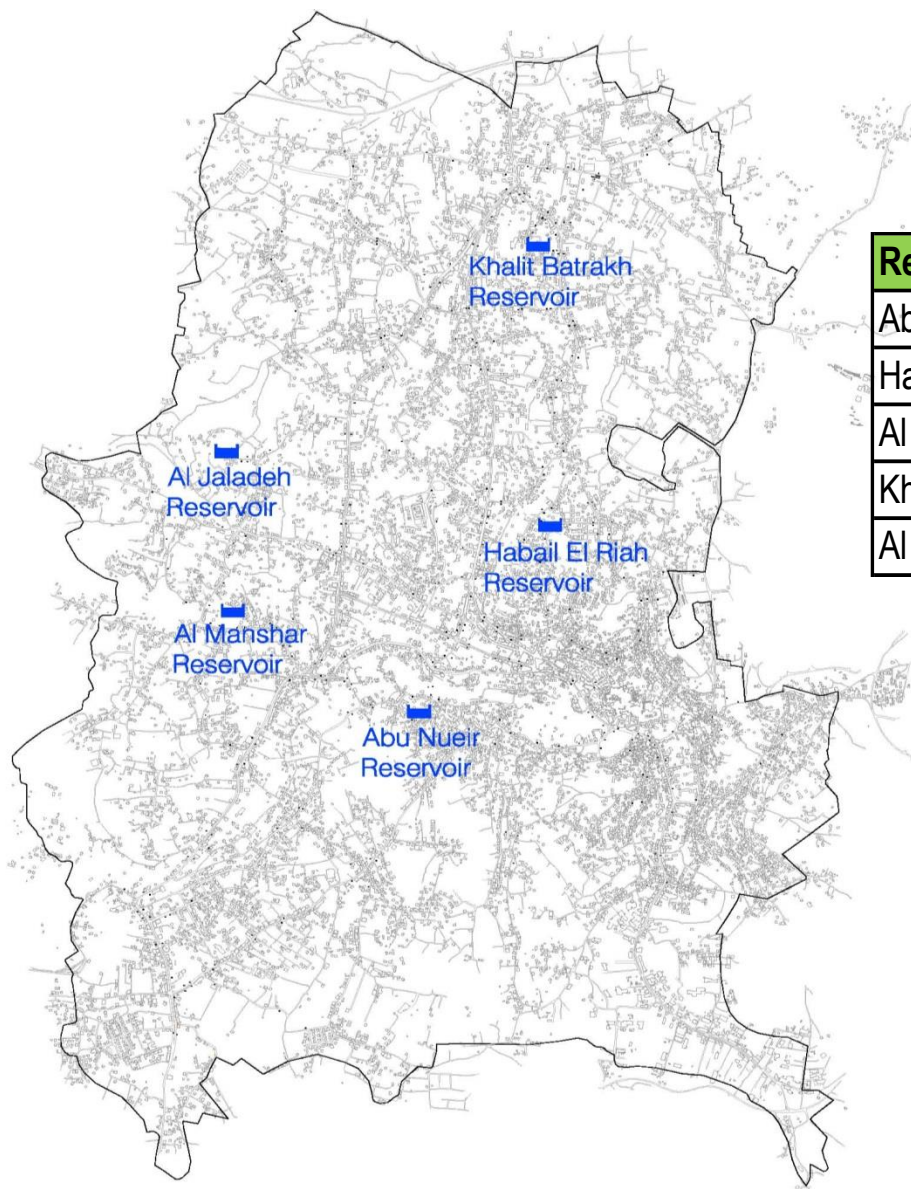
The water resources of Hebron and the refugee camps are :

- the Al Safi well owned by the Hebron Municipality
- the Palestinian Water Authority wells
- the Al Fawwar well, owned by the Hebron Municipality



Halhul Reservoir (25.000 m3 – 1010 m a.s.l.)





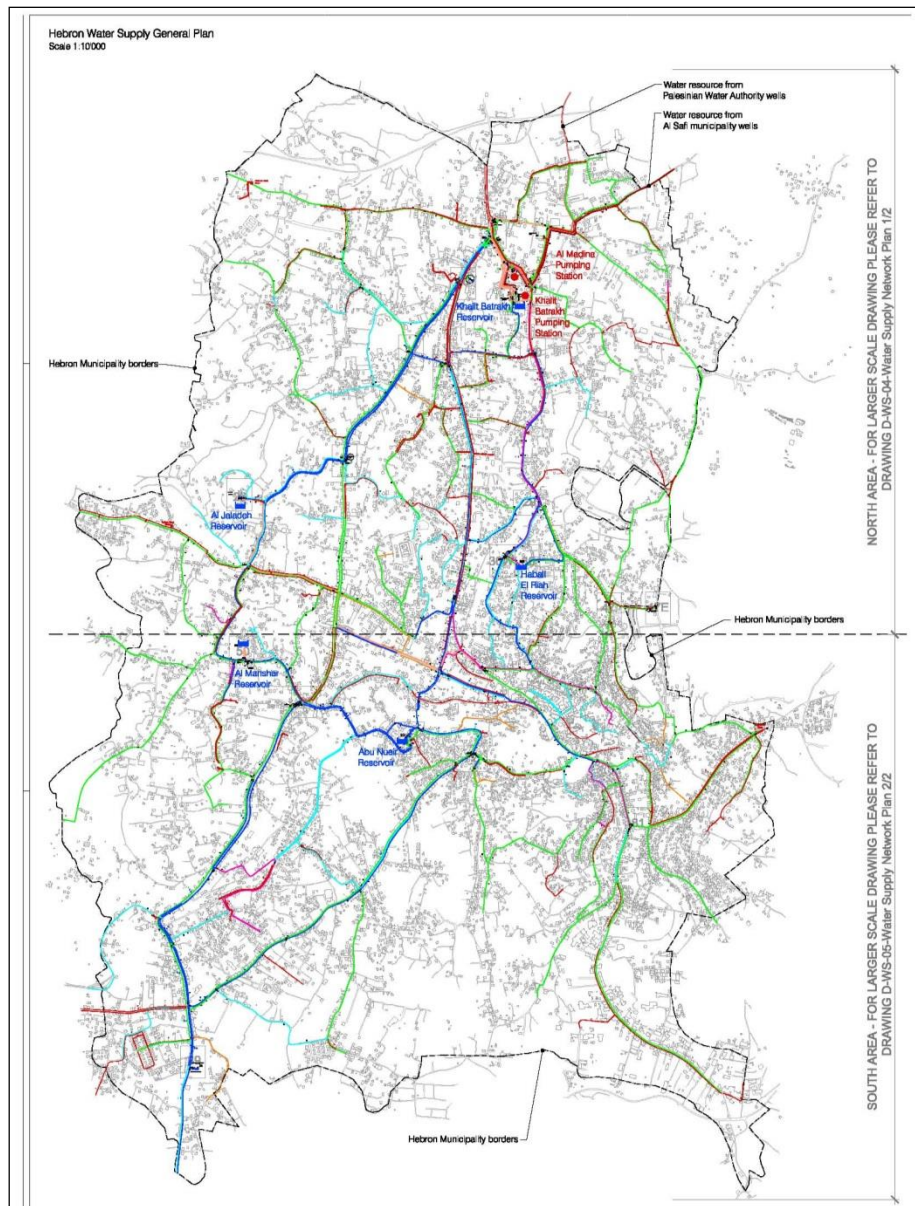
5 main reservoirs

Reservoir	Volume (m3)	year of construction
Abu Nueir	3362	2005
Habayel Alreya	1989	2004
Al Manshar	1749	1998
Khallit Batrakh	3052	1978
Al Jaladeh	2886	1998

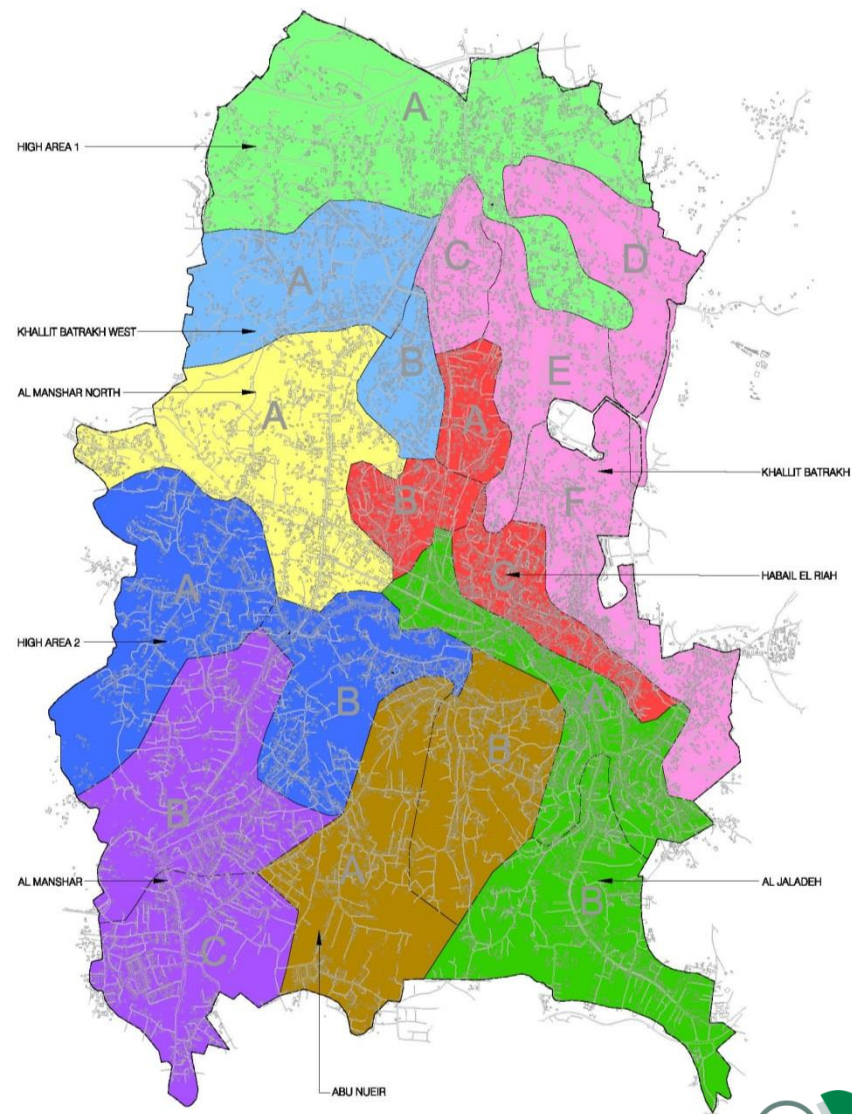
Total reservoir volume = 13.038 m3



WATER NETWORK: Hebron network



Hebron Water Supply General Plan - Pumping Areas
Scale 1:10000



2008	water volume (m3)	5,470,454
	population	166,094
	provided water (l/ inh day)	67
2009	water volume (m3)	5,622,137
	population	171,653
	provided water (l/ inh day)	70
2010	water volume (m3)	5,823,790
	population	177,387
	provided water (l/ inh day)	66

The water from the supply newtork available per capita is 65 l/day.

Physical Asset Data SEWERAGE NETWORK

General data	Variable	Unit	Value
	Daily treatment capacity	m ³	None
	Pumping stations	No.	7
	Pumping stations capacity	kW	1,140
	Pipes mains length	km	176

Combined system

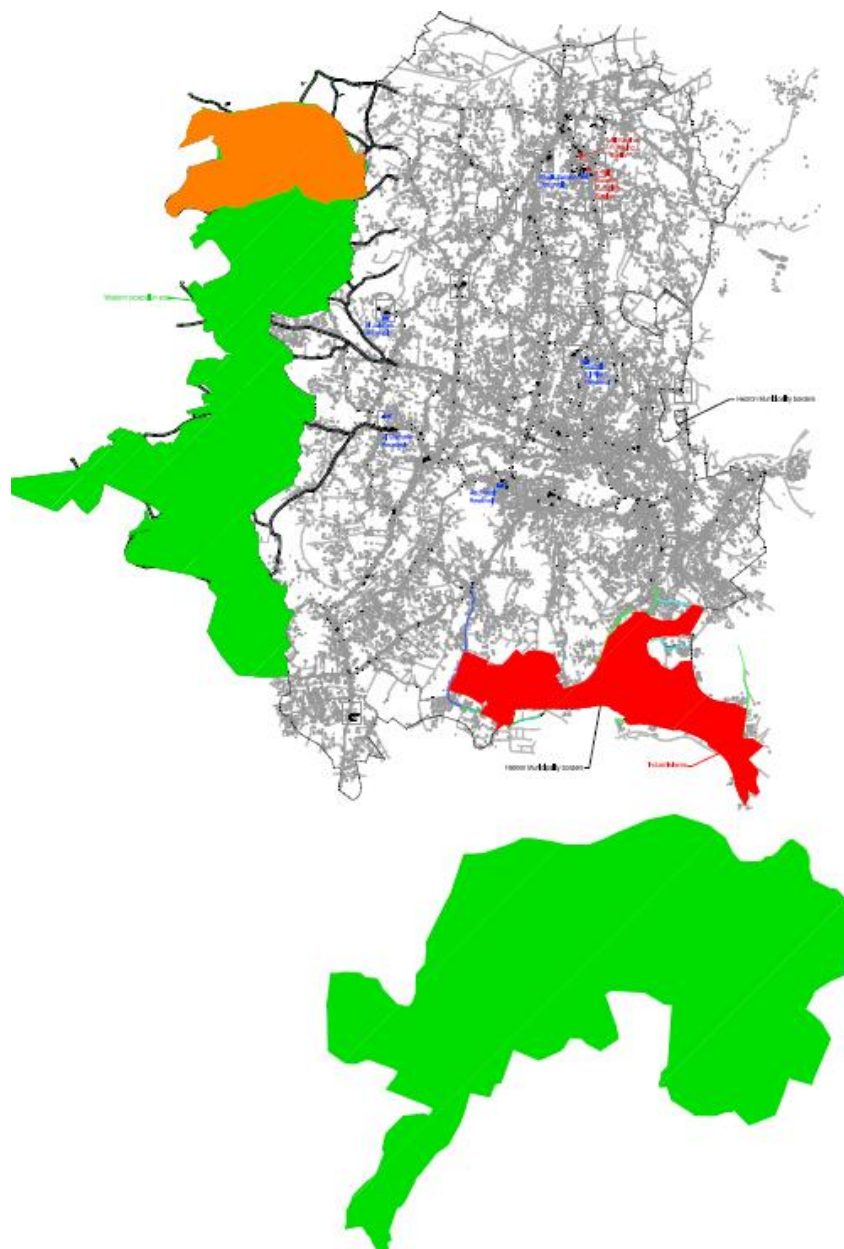


Most of the sewerage network of the city is working by gravity.



Main pumping stations

Existing pumping zones areas [mq]						
1	2	3	4	5	6	7
148,692	474,732	134,560	221,375	2,012,062	1,319,217	389,679



Future Interventions



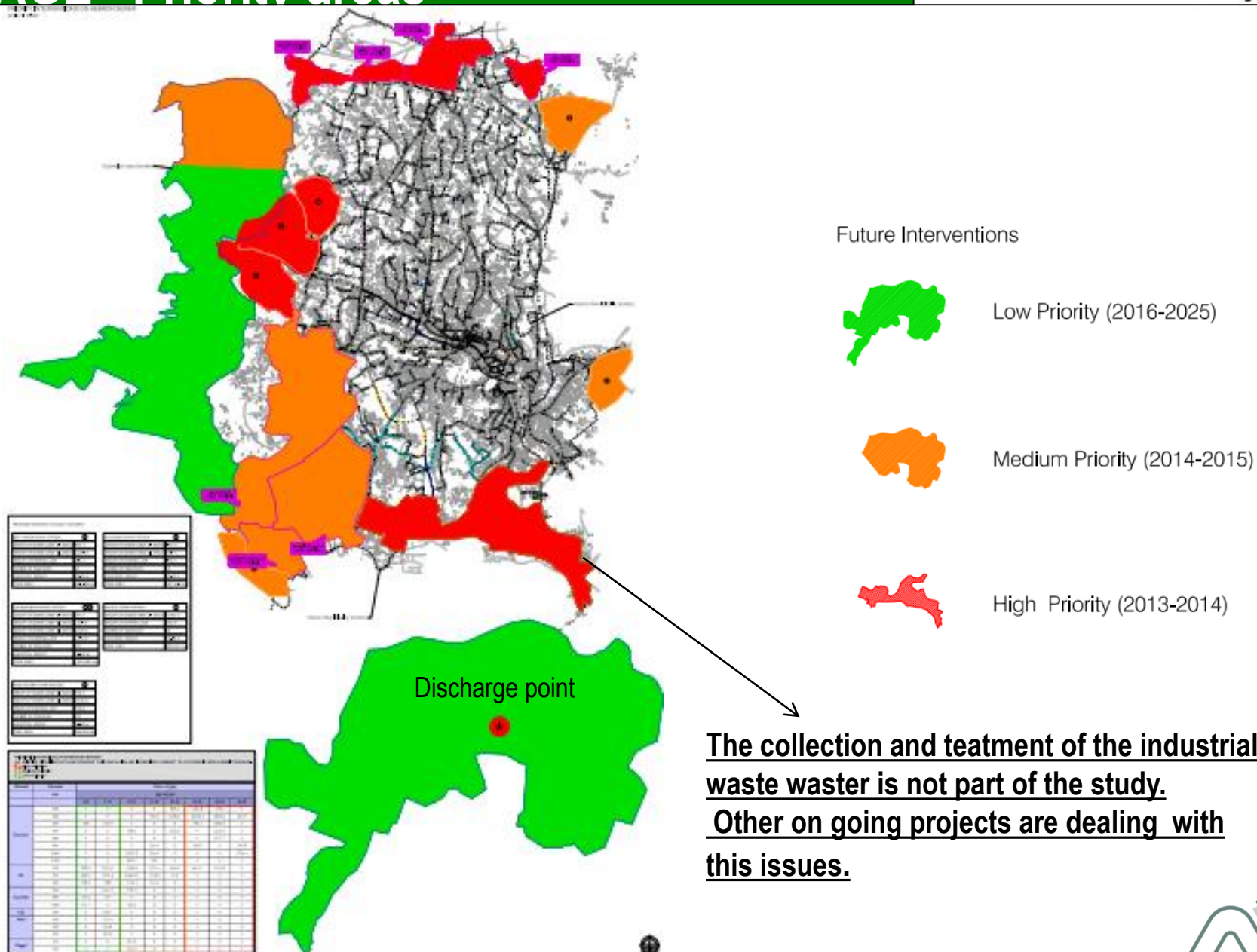
Low Priority (2016-2025)



Medium Priority (2014-2015)



High Priority (2013-2014)



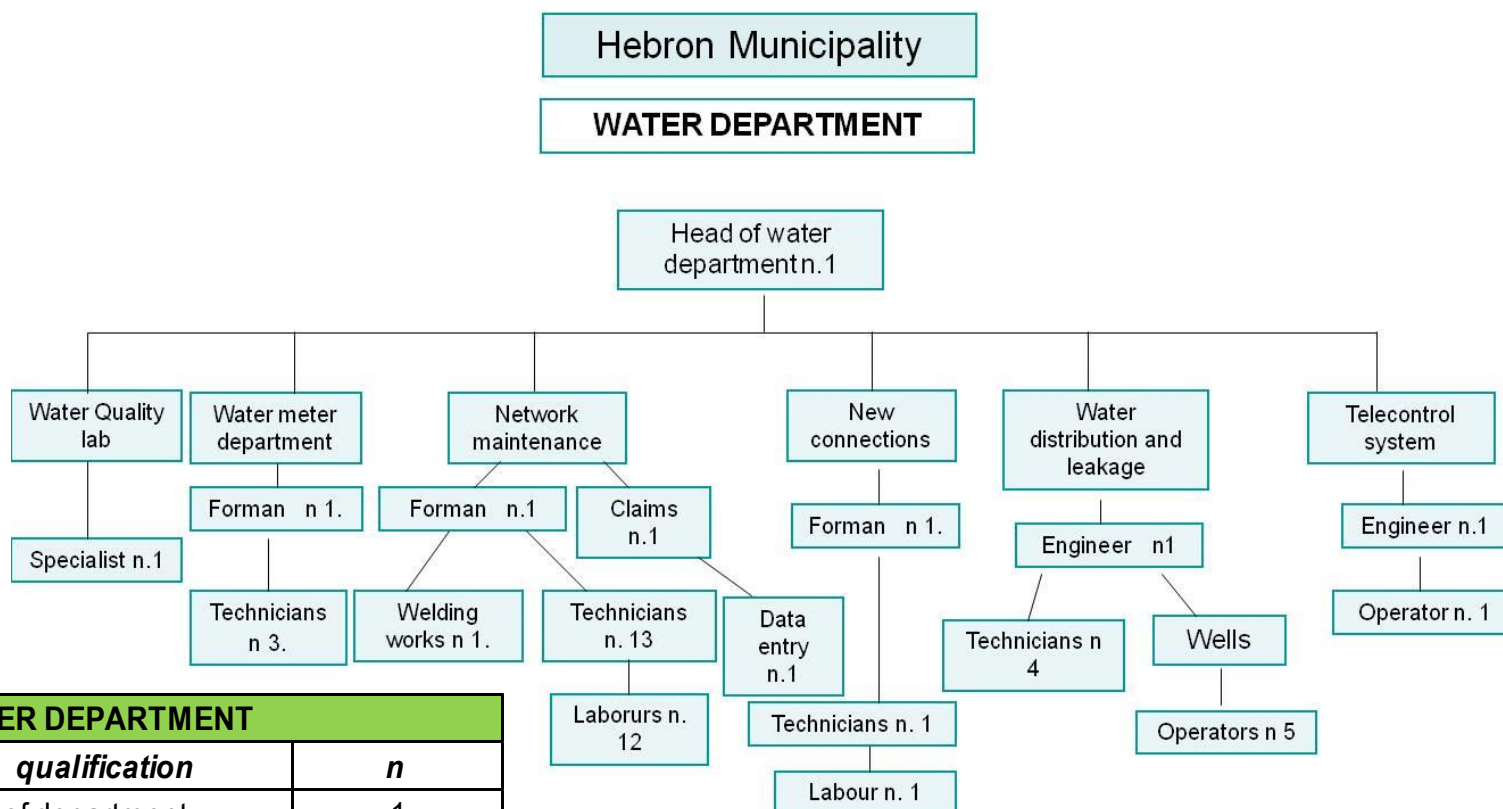
Water tariff

TARIFF	Price (NIS/m3) for domestic /commercial / agriculture / educational / institutional buildings
FIX monthly costs (network maintenance + hydrants)	9
0-20 m3	4
>20 m3	5

Sewage tariff

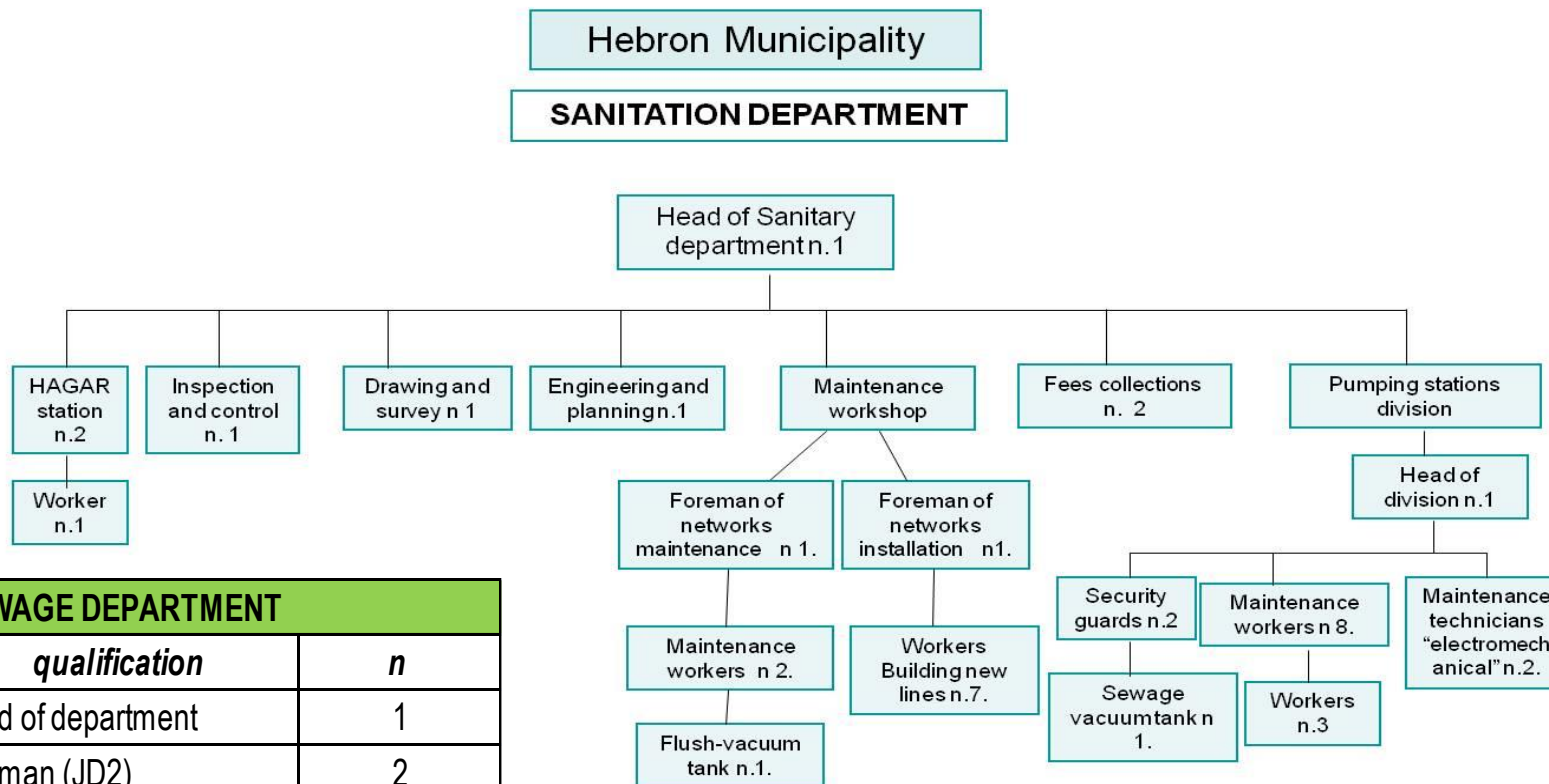
Category	Type of charge	Before 96	After 96
Residential (for each house unit)	Connection fee additional	105 NIS	210 NIS
		5,26 NIS /sq meter	10,52 NIS/ sq meter
Commercial	First 42 sq meters	52,6 NIS	104 NIS
	42 sq meters and above	263 NIS	526 NIS
		5,26 NIS /sq meter	10,52 NIS/ sq meter
Industrial	connection fee	263 NIS	1315 NIS
	additional	15,78 NIS /sq meter	31,56 NIS / sq meter

EXISTING WATER DEPARTMENT ORGANIZATION



WATER DEPARTMENT	
<i>qualification</i>	<i>n</i>
head of department	1
water quality specialist	1
assistant water lab	1
foreman (JD2)	3
technicians (JD5)	22
workers (JD7)	19
engineer (JD1)	2
TOTAL EMPLOYEES	49

EXISTING SANITATION DEPARTMENT ORGANIZATION

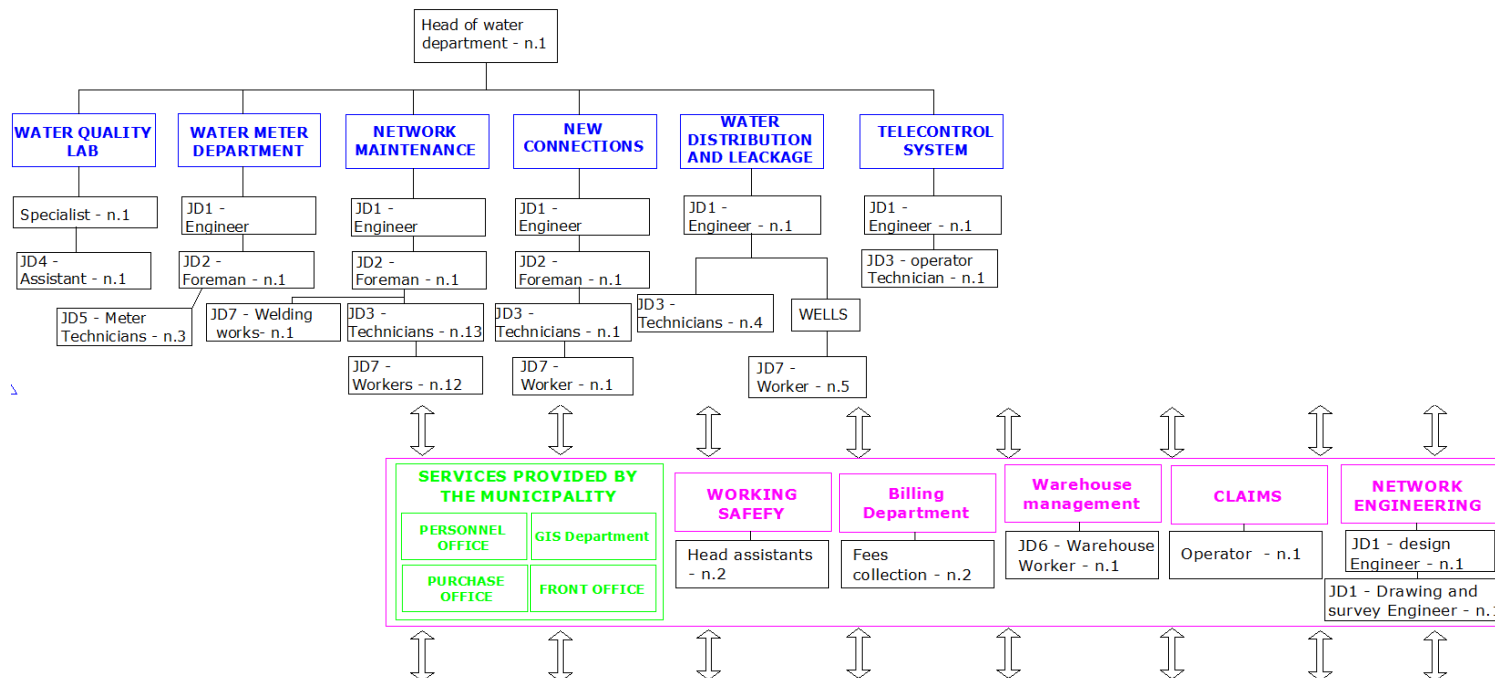


SEWAGE DEPARTMENT

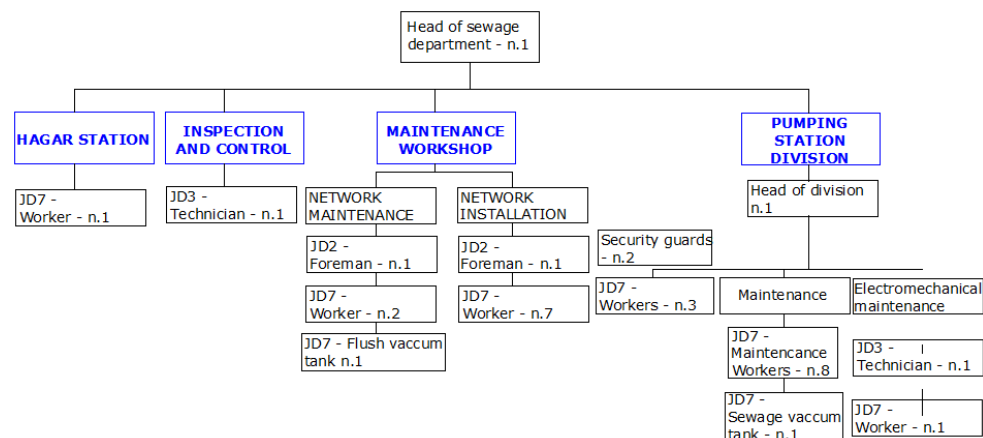
<i>qualification</i>	<i>n</i>
head of department	1
foreman (JD2)	2
technicians (JD5)	2
workers (JD7)	24
engineer (JD1)	1
security guard	1
TOTAL EMPLOYEES	31

NEW ORGANIZATION CHART

WATER DEPARTMENT



SEWAGE DEPARTMENT





بلدية الخليل
دائرة المياه والصرف الصحي

Hebron Municipality
Water and Sanitation Department

2012



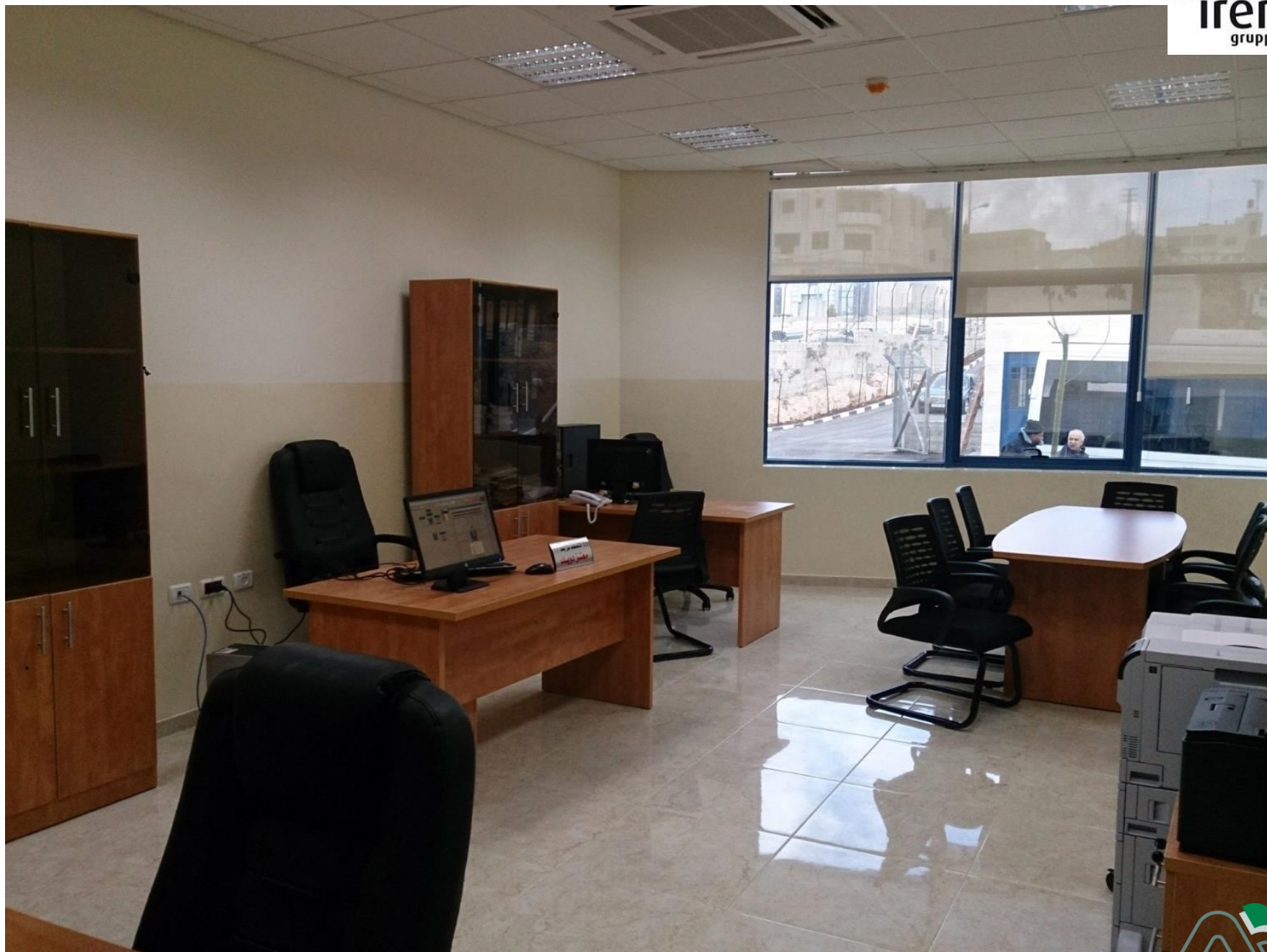
المراسلة : م. جمال التوتويحي





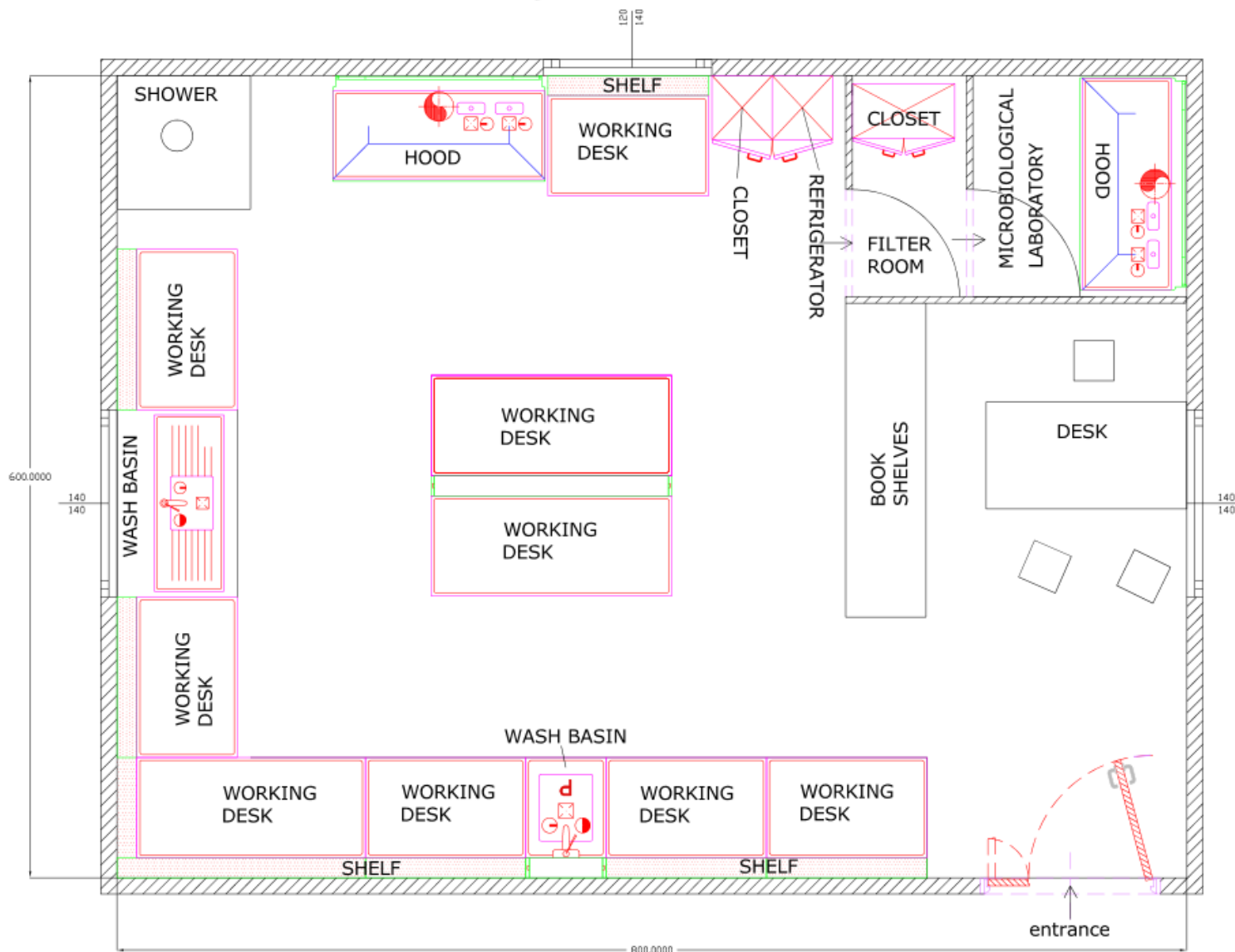








WATER QUALITY LABORATORY



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