Tatwer

Libya Development program

Industry
Agriculture
Private investors















Settori di sviluppo in Libia attraverso holding di investimento Relazione a cura della Mediterraneo NCM Ltd (21 Marzo 2012)

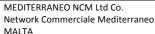
www.mediterraneoncm.it

Settori di sviluppo e affari in Libia:

_riqualificazione di quella esistente **INDUSTRIA AGRICOLTURA** sviluppo da rurale a industriale

investitori privati libici in attività di joint-venture ALTRI SETTORI

Settore industriale **Settore Agricolo** Nell'ambito di un programma di reale modernizzazione del sistema agricolo libico, la Banca Centrale Libica, Nell'ambito di un importante progetto per la riqualifiattraverso propri Enti di sviluppo, finanzia progetti cazione di quattro grandi aree industriali, che di fatto concreti che hanno come scopo lo sviluppo rappresentano insieme tra le più importanti aree indudell'agricoltura libica, ponendola a livello di impresa striali del Nord Africa, il Governo libico mette a dispoproduttiva. sizioni infrastrutture attrezzate per la produzione. L'Ente di sviluppo (Tatwer) è già dotato dei fondi eco-Cosa cerca l'Ente di sviluppo. Cosa cerca l'Ente di sviluppo. 1. Vogliono realizzare cicli produttivi chiusi e Aziende qualificate, ovvero con elevato know-how che aperti (es.: dalla coltivazione del pomodoro alsiano disposte, in cambio di infrastrutture e impianti, a produzione concentrato, fare joint-venture produttive per la realizzazione di all'inscatolamento). beni che possano essere destinati all'esportazione, ol-2. Know-how. tre al mercato locale. A chi si rivolge l'Ente Libico. A chi si rivolge l'Ente Libico. Ad imprese agricole che abbiano una consolidata e provata esperienza nel settore della coltivazione, alle Ad imprese solide e con uno storico produttivo e quali viene richiesto: commerciale significativi, oltre che dimostrabili. 1. Caratteristiche produttive 2. I canali di distribuzione In altre parole, mentre prima si potevano proporre 3. Volumi di produzione e storico progetti faraonici, che non avevano quasi nessuna vi-4. Know how sione futura ed aderenza con la realtà locale, oggi i 5. Destinazione dei loro prodotti (es.: tavola o progetti devono essere misurati alla realtà del Paese e trasformazione) delle sue semplici capacità di indotto produttivo. 6. Piattaforma della catena produttiva/distributiva Imprese privilegiate nella scelta dell'Ente di sviluppo. Imprese privilegiate nella scelta dell'Ente di sviluppo. 1. Lavorazioni meccaniche (leggere e pesanti) 1. Imprese agricole che hanno una reale compequali, a mero titolo esemplificativo, rubinettetenza nell'uso economico delle acque nelle ria, maniglie, ingranaggi, coppie coniche, etc. coltivazioni. 2. Carpenterie in acciaio. 2. Imprese che hanno capacità di riesportazione 3. Produzione di tubi. dei prodotti. 4. Laminazione a freddo. 3. Imprese che usano protocolli di tracciabilità. 5. Casseforme da costruzione. 4. Imprese che hanno competenza nella coltiva-6. Ponteggi e puntelli da costruzione. 7. Produzione da laminazione a caldo (tondino zione di ortaggi. 5. Imprese che coltivano piante per la produzioda costruzione, travi IPE HEA, etc.). ne di olio di semi. 8. Fusioni in ghisa e/o alluminio. Produzione di pannelli sandwich.



Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")









Settore Agricolo	Settore industriale		
A cosa possono accedere queste imprese.	A cosa possono accedere queste imprese.		
Queste imprese, investendo, quasi esclusivamente, il proprio know-how possono ottenere: 1. Uso di importanti estensioni agricole (si veda l'allegato del "Grande Fiume"). 2. Acqua. 3. Risorse economiche per condurre a regime le attività produttive.	 Ad impianti produttivi di fatto pronti all'uso, salvo doverli adattare alle specifiche produzioni. Dalla fonderia ai sistemi di lavorazione meccanica e saldatura. Manodopere internazionali. Basso costo dell' energia (c.a. 1/10 di quella italiana). Basso costo dell'acciaio prodotto in Libia (il Paese è fuori dal WTO, quindi di fatto non rientra nelle logiche di "cartello" dei colossi dell'acciaio e, dalle precedenti indagini di mercato, ci risulta che l'acciaio libico, nel mercato interno su prodotti finiti può costare anche medo del 40% rispetto all'Italia). Basso rischio d'impresa, in quanto si interviene da impianti esistenti. Capacità di contenimento commerciale per prodotti provenienti dall'Asia. Possibilità di produrre beni di qualità e cultura italiana e a prezzi competitivi. Prossimità produttiva all'interno di mercati in forte sviluppo. 		
Aree produttive	Aree produttive		
Tripolitania MINITALIA PROJECTS 1 Secreta Se	Garian – Esbea – Qasr Ben Ghashir – Tjura.		

Altri settori

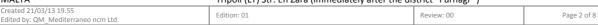
Nell'ambito delle costruzioni edili si possono valutare progetti di joint-venture con investitori privati libici, con particolare focus nei seguenti settori:

- 1. Produzione di mattoni e suoi derivati.
- 2. Produzione di pavimenti.
- 3. Produzione di calci.
- 4. Sistemi di depurazione e trattamento delle acque (mercato interno ed esportazione).
- 5. Produzione di serramenti.
- 6. Produzione di vernici.
- 7. Produzione di rubinetterie (mercato interno ed esportazione).
- 8. Produzione di maniglie (mercato interno ed esportazione).
- 9. Conservazione degli alimenti e/o catena del freddo.
- 10. Produzione di complementi d'arredo (sedie, porte, etc.)



Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")









Immagini tratte dalle industrie libiche da riqualificare

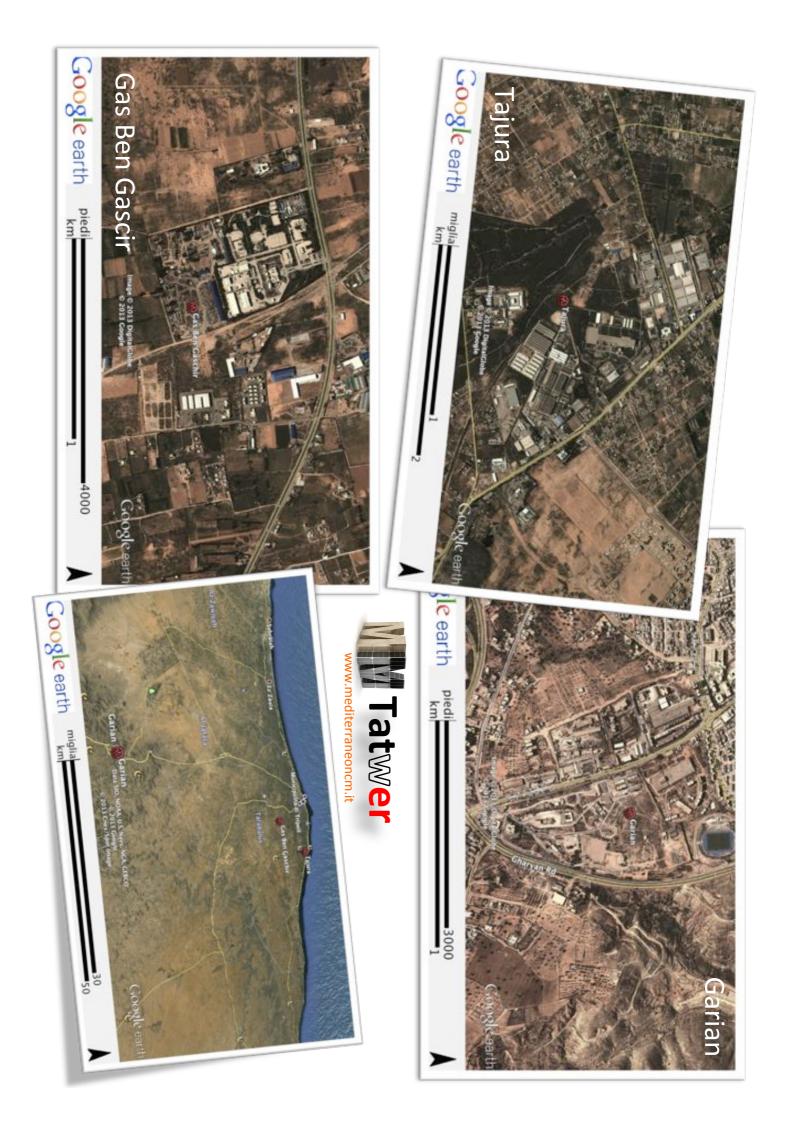


MEDITERRANEO NCM Ltd Co. Network Commerciale Mediterraneo MALTA Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")





Review: 00









Programma di sviluppo agricolo

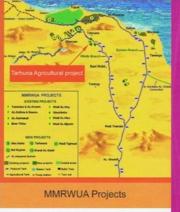
The Authority of Investment of Jabel Al-Hasawna Jefara Water System for the Man-Made River performs the task of construction of agricultura projects on the water system in the area extending from Jabel Hasawna in the South-west to the coastal areas, north-west of the Libya.

to the coastal areas, north-west of the Lloya. The water flowing from this system reaches (2.5 million) cu.m. dally, of which (67.3 %) is allocated for agricultural purposes, i.e. equal to (1.7 million) cu.m. dally for irrigation of an area of (106233) hectares for the various projects included in investment plan for the authority. The investment works for the projects are represented in planning and division of the farms extension of irrigation systems, and construction of reservoirs for providing these projects with needs for irrigation water, including Tarhouna Agricultural project, a new agricultural project pertaining to the Authority

Location

Tarhouna Agricultural Project is located on the middle branch of the Hasawna-Jefara system of the Man-Made River, the road connecting Tarhouna and Bani Walid, about 120 km South-Eastwards from Tripoli.







Area and number of agricultural fields Total area of the project: 1239 hectares Irrigated area: 950 hectares Number of fields: 13 fields, with areas ranging

from (12-60) hectares

Water allocations

The Water allocations for the project are estimated at the rate of 25000 m3/day

Components of the project



Concrete tank for Break pressure with capacity of (33000 m3).



Pumping station containing four pumps with a flow rate of (120 liter/second)



Concrete balance tank with capacity of (6000 m3).



Subsidiary distribution tanks numbering (173) tanks each with capacity of (200 m3)

This Authority was established under Decision No. (230) of (1995), which was entrusted with the task of organizing and investment of the water of Jabel AlHasawna Jefara system for convey of the Man-Made river water, through which (2.5 million) cum. of water are conveyed daily, of which (67.3 %) is allocated for agricultural purposes, i.e. equal to (1.7) million cu.m. daily for irrigation of an area of (106233) hectares in the various projects included in the investment plan for the Authority.

General Objectives of the Board

The Authority was entrused, under decision for establishment thereof, with the tasks of investment of water MMRWUA of the Man-Made river project by construction of integrated agricultural projects, and agricultural projects with individual holding for achieving the following objectives:

- 1-Magnifying the water revenues by maximum production of agricultural and animal products, and increasing self-sufficiency rates to achieve food security and contribution to increasing the Gross Domestic Product (GDP) and higher economic
- growth rates.
 2-Contribution to creation of employment opportunities in the agricultural field to a large number of Libyan families and involving them in the production process to achieve economic and social development
- Social development.

 Screation of a kind of populating settlement in the areas where agricultural projects are with individual holding is constructed, as would achieve social justice and improving living standard.
- usace and improving wing standard.

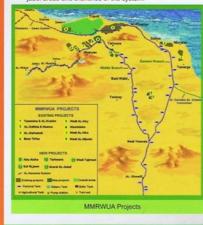
 4-Contribution to achieving environmental objectives for saving the damaged areas from water shortage in the coastal strip, as indicated by the reports and studies for exposure to desertification and salination of their soil, thus threatening the economic activity therein by stoppage, and damage to the vegetation cover, thus necessitating supply of these areas by water and construction of tree belts and stopping the phenomenon of desertification and salination



Works performed by the Authority

- Studies:
 Soil study for an area of about (301587) hectares
 Study of the existent project in Jefara plain area an
 system branch.
 Study of western AlJabel area.
 Study of both branches area of the system.
 Study of the general agricultural plan and water

- management plan.
- Technical and economic feasibility study for investment of water of Jabel AlHasawna Jefara system in both western jabel areas and branches of the system.



Engineering designs

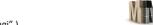
The Authority studied and prepared the Engineering designs and specifications for the various sites envisaged for investment of MMRWUA in the areas of Jefara plain, the western jabel and both branches of the system. The schedules for constructions stages were set out simultaneous with arrival of water to these sites.

MMRWUA Projects

Project	Irrigated areas (ha)	Number of Farms	Water Allocation Mm3/yea
A-Existing Projects			
Tummina & Al-Krarim	2844	898	25.55
Al-Dafinia & Naema	2353	503	18.25
Garhabuli Agricultural	4438	1497	34.5
Bir Tirfas Agricultural	2365	473	11.2
Wadi Al Hay Agricultural	3504	418	21.9
Abushieba Agricultural	1851	121	14.6
Al-Hira Agricultural	2679	484	25.5
Wadi Mjenin Agricultural	360	72	3.7
B-Regions effected a	t the coastal	strip	
Private Properties	76870	19676	384.4
Tarhuna Agricultural	950	173	9.13
Abu Aisha Agricultural	3320	664	29.2
Tajmoot Agricultural	700	5 field	7.3
Suf Aljeen Agricultural	2000	24 field	34.67
Grarat Alqataf Agricultural	2000	27 field	
D-water tanks at pas	toral and rura	I regions	
		73 tanks	23.73
Grand total of locations and Investment projects of MMRWUA	106233	25035	643.63

MEDITERRANEO NCM Ltd Co. Network Commerciale Mediterraneo MALTA

Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")





Edited by: QM_Mediterraneo ncm Ltd.

Edition: 01





5 8

Philosophy of operation of the project

The project is feed from the feeding outlet (6+554 S) on the middle branch of the system at flow rate of (80000 m3/day) for gathering water in the balance tank with capacity of (40000 m3) which is located in a high area of the project, from which water flows by gravity through network of main and subsidiary pipelines for feeding all the project farms.





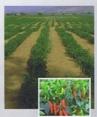
Investment

Within the framework of agricultural Investment to MMRWUA projects, the project entered into investment by contracting with the national partnerships and local and foreign companies for investment in the project by graining cereal crops (wheat , barley and oats) as well as seasonal vegetables, in addition to olive trees of both dense and ordinary kinds, and fruit trees for providing the opportunity to the local and foreign investor to contribute to promotion of production for achieving Self-sufficiency in these products.









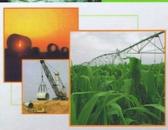


Free Libya

Ministry of Agricultural, Animal & Marine Wealth The Authority for the Utilization of Jabel Al-Hasawna Al-Jefara Water System of The Man-Made River







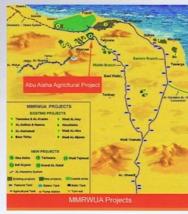
The Authority of Investment of Jabel Al-Hasawna Jefara Water System for the Man-Made River performs the task of construction of agricultural projects on the water system in the area extending from Jabel Hasawna in the South-west to the coastal

areas, north-west of the Libya.
The water flowing from this system reaches (2.5 million) cu.m. daliy, of which (67.3 %) is (2.5 million) cu.m. daily, of which (67.3 %) is allocated for agricultural purposes, i.e. equal to (1.7 million) cu.m. daily for irrigation of an area of (106233) hectares for the various projects included in Investment Plan for the Authority. The investment works for the projects are

represented in planning and division of the farms extension of irrigation systems and constraction of reservoirs for providing these projects with needs for irrigation water, including Abu Aisha Agricultural project, a new agricultural project pertaining to the Authority.

Abu Aisha Agricultural Project is located on the middle branch of Hasawna – Jefara system of the Man-Made River in Jefara plain area, at a distance of about (60 km) southwards, along the road leading from Gasr Ben Ghashir to Tarhouna.







Area and number of farms

Total area of the project: 4700 hectares Irrigated area: 3320 hectares Number of farms: 664 farms Farm area: 5 hectares

Water allocations

Water allocations for the project are estimated at the rate of 80000 m3/day.

Project components



- Concrete balance tank with capacity of 40000 m3.

 Transport pipeline made of ductile steel from the feeding outlet to the balance tank 2900m long and (1000 mm) diameter.

 Feeding pipeline to the project from the balance tank to the beginning of distribution network, made of ductile steel pipes (2500 m) long and 1400 mm diameter. diameter
- Main irrigation network (39km) long with diameters (300-1400 mm) made of ductile steel pipes. Subsidiary irrigation network (273 km) long with diameter (90-315 mm) made of UPVC pipes.

MEDITERRANEO NCM Ltd Co. Network Commerciale Mediterraneo MALTA

Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")











- Substation 66/11 KVA for operation pumping station
- Ductile steel water transport pipeline, (700 m) long and (700 mm) diameter from the feeding outlet to concrete pressure reduction tank (33000 m3).
- Ductile steel water transport pipeline (85 m) long and (800 mm) diameter from the concrete pressure reduction tank (33000 m3) to the pumping station.
 Ductile steel water transport pipeline (4654 m)
- Ductile steel water transport pipeline (4654 m) long and (600 mm) diameter of connecting the pumping station with the concrete balance tank (6000 m3).
- (6000 ms). Main distribution network (55 km) long, with diameter ranging between (90-500 mm) made of plastic (PVC) pipes, extending from the concrete balance tank (6000 ms) to the subsidiary distribution tanks.

Philosophy of Operation of the project

The project is fed by the feeding outlet (500+576) on the middle branch of the system at flow rate of (25000 m3/day) for water in the concrete break pressure tank with capacity of (33000 m3). Through the pumping station adjacent to water is pumped to the concrete balance tank with capacity of (6000 m3) located in a high area of the project, From this tank, water flows by gravity to reach all distribution subsidiary tanks, through which the whole project is fed for irrigation of the agricultural fields.



Investment

Within the framework of agricultural Investment to MMRWUA projects, The project starts the process of production by using linear irrigation system to cultivate different crops according to the suggested crop pattern which is a cereal the winter agricultural season,



But in the summer agricultural season, corn crops will be cultivated.



This is addition to growing dense olive and fruit trees (peaches, apricots and pears) by using the drip irrigation system.



Prepared by / Follow up Department
Information and Documentation Division

\$\displays \text{218 21 5680011} \times \text{83512}
\text{B} +218 21 5680010 \times \text{www.mmrvyua.com}

Free Libya

The Authority for the Utilization of Jabel Al-Hasawna Al-Jefara Water System of The Man-Made River

Ministry of Agricultural, Animal & Marine Wealth







Tarhouna Agricultural project

Area and number of agricultural fields Total area of the project: 1239 hectares

Total area of the project: 1239 hectares Irrigated area: 950 hectares Number of fields: 13 fields, with areas ranging from (12-60) hectares

Water allocations

The Water allocations for the project are estimated at the rate of 25000 m3/day

Components of the project



 Concrete tank for Break pressure with capacity of (33000 m3).



 Pumping station containing four pumps with a flow rate of (120 liter/second).



 Concrete balance tank with capacity of (6000 m3).



 Subsidiary distribution tanks numbering (173) tanks each with capacity of (200 m3).

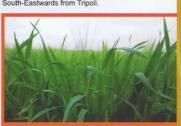
Introduction

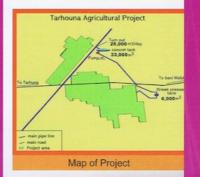
The Authority of Investment of Jabel Al-Hasawna Jefara Water System for the Man-Made River performs the task of construction of agricultural projects on the water system in the area extending from Jabel Hasawna in the South-west to the coastal areas profit, west of the libus.

projects on the water system in the area extending from Jabel Hasawan in the South-west to the coastal areas, north-west of the Libya. The water flowing from this system reaches (2.5 million) cu.m. dally, of which (67.3 %) is allocated for agricultural purposes, i.e. equal to (1.7 million) cu.m. dally for irrigation of an area of (106233) hectares for the various projects included in investment plan for the authority. The investment works for the projects are represented in planning and division of the farms extension of irrigation systems, and construction of reservoirs for providing these projects with needs for irrigation water, including Tarhouna Agricultural project, a new agricultural project pertaining to the Authority

Location

Tarhouna Agricultural Project is located on the middle branch of the Hasawna-Jefara system of the Man-Made River,the road connecting Tarhouna and Bani Walid, about 120 km South-Eastwards from Tripoli.





MMRWUA Projects

MEDITERRANEO NCM Ltd Co. Network Commerciale Mediterraneo MALTA Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")





7 8

Water situation

From the previous drilling results and reports prepared in this respect by the General Water Authority it transpired that Kekala formation depth ranges between (900-1250 m) has good productivity between (200-350 m3/hour) by self-flow and piezomatic level reaching (6.5m) above ground level. The water of this reservoir is hot, reaching a temperature (50c) . It is envisaged to drill (27) productivity wells for feeding the project, and (5) control level of these wells.

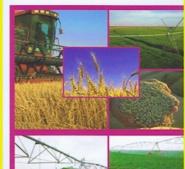


Use of modern methods to cool the hot water

In view of the high financial cost of the project when using the traditional methods for cooling hot water, the Board endeavored to find alternative means at the lowest cost, to achieve direcr cooling methods for the hot artesian underground water after investigation and research the Board in order to avoid large costs (funds), decided to use the pivot irrigation system, which has special specification with the use of potential energy. The well pressure will be used for operation of the pivot irrigation machine which will reduce the water temperature to 25-30c, so that the water will become suitable for irrigation of all agricultural crops. This method was applied in USA and Alogria

Investment

Within the framework of agricultural Investment to MMRWUA projects, The project starts the process of production by using pivot irrigation machines with special specifications for transfer of modern agricultural technologies to reach to the maximum production of food by growing the fundamental crops (wheat, barley, oats, corn and sorghum).







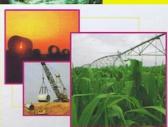
Free Libya

Ministry of Agricultural , Animal & Marine Wealt

The Authority for the Utilization of Jabel Al-Hasawna Al-Jefara Water System of The Man-Made River







Grarat Alqataf Agricultural project

Introduction

The Authority of Investment of Jabel Al-Hasawna Jefara Water System for the Man-Made River performs construction of agricultural projects in the area extending from Jabel Hasawna in the South-west to the coastal areas, north-west of

the Libya. In light of the availability of underground water in the Grarat AlQataf area, existence of large areas of lands with good soil, the Authority considers that it is possible to execute Grarat AlQataf project and achieve agricultural development in the area by utilization of the natural resources available as indicated in the studies.

However, this water and its suitable qualities for agricultural purposes cannot be utilized directly, in view of its high temperature degree reaching more than (50°c). Hence, it has become necessary to find a means for cooling this water, as opposed to previously traditional means as experienced in certain projects irrigated by hot water.

Location

Grarat AlQataf area, a distance of 90 km south-east of Bani Walid, and about 2 km from ElMunasser village.



CONTROL PROJECTS ENTITION PROJE

MMRWUA Projects

Area and number of fields

Total area of the project: 2000 hectares Number of fields: 27 fields Field area : (50-80) hectares Wells productivity :200m3/hour/well

Climate

The semi-desert climate dominates the area. The ground temperature average in summer reaches 30c. In winter, the temperature ranges between 10-25'c and Humidity decreases in the area, and the wind speed from various directions increases.

Topography

The plain topography periods in the area, being a relatively low area. The project area is surrounded by hilly areas from the southern and eastern side, where rain water is gathered, and considered as anatural discharge for certain wardis.

Soil studies



The detailed soil study prepared by the Engineers of The Authority indicated that most of the project area consists of soil belonging to 2nd and 4th classification units, as suitable for permanent irrigation purposes from Grade (Good & Medium). From the economic feasibility study performed by the Board for Grarat Al-Qataf site, it transpired that the area is characterized by availability of underground water on which construction of the project.



MEDITERRANEO NCM Ltd Co. Network Commerciale Mediterraneo MALTA Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")









- Transport pipeline from the pumping stations to the balance tanks (8 km)long and (700 mm) diameter
- (3) Balance tanks with capacity of (20000 m3) each.
- Main distribution systems from the ductile steel pipelines (293 km) long,and (125-1000 mm) diameters.
- Subsidiary distribution system from plastic (PVC) pipelines (217 km) long and (63-225 mm)dia
- Substation 30/11 KVA for operation main and subsidiary pumping station.

Feeding outlets (Turn outs)

- Outlet No.(1) at flow rate of (34000 m3/day)
- Outlet No.(2) at flow rate of (42000 m3/day).
- Outlet No.(3) at flow rate of (41000 m3/day).
- Outlet No.(4) at flow rate of (36776 m3/day).

Crop Pattern

Olives, grapes, winter and summer vegetables, fruits citrus, wheat, barley, alpha - alpha, and palms.



Vegetation cover prevailing in the area

The vegetation cover of the project consists of the

- following:
 Fruitful trees (Figs,olives,almonds and palms)
 Forest trees (Dense and medium dense forest trees, mostly wind shields between the farms and on sides of the main and subsidiary roads)
 Seasonal crops (Fodder,cereals and vegetables).
- Pastural grass ,retem, amarouth and esparto The climatic conditions and topography control distribution and density of each kind of the vegetation cover of the project.



Objectives of supplying the project with the Man-Made river water

- Achievement of population settle
- Maintaining the existent farming.
 Maintaining the environment.
- To increase productivity and improvement of production quality as per the crop structure.

+218 21 5680011 +218 21 5680010

83512 ###

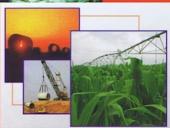
Free Libya

Ministry of Agricultural, Animal & Marine Wealth

The Authority for the Utilization of Jabel Al-Hasawna Al-Jefara Water System of The Man-Made River







Garhabulli **Agricultural project**

Introduction

The Authority of Investment of Jabel Al-Hasawna Jefara Water System for the Man-Made River performs the task of construction of agricultural projects on the water system in the area extending from Jabel Hasawna in the South-west to the coastal areas, north-west of the Libya.

The water flowing from this system reaches (2.5 million) cu.m. daliy, of which (67.3~%) is allocated for agricultural purposes, i.e. equal to (1.7 million) cu.m. daliy for irrigation of an area of (106233) hectares for the various projects included in Investment Plan for the Authority.

The investment works for the projects are represented in planning and division of the farms, extension of irrigation system, and construction of reservoirs for providing these projects with needs for irrigation water, including Garhabulli Agricultural project, an existent agricultural project .

Location

Garhabulli Agricultural Project is located on the eastern branch of Hasawna –Jefara system of the Man-Made River, at a distance of about 45 north-eastwards from Tripoli





Area and number of farms

Total area of the project: 28077 hectares Irrigated area: 4438 hectares Number of farms: 1497 farms

Water allocations

The water allocations for the project are estimated at about 34.5 million m3/year.



The project components

The project is fed through four feeding outlets on the eastern branch of the system at flow rate of (153,776 m3/day).

The project consist of the following

- (2) Main pumping stations with operational capacity
- (2) Main puring stations with operational capacity of (487 liters/second).
 (2) Supplementary pumping stations with operational capacity of (272.8 liters/second).
 (18) Subsidiary pumping stations, with operational capacity of (139.2 liters/second).
- (2) Reception tanks attached to both main pumping stations in the project, with capacity of (20000 m3)each



MEDITERRANEO NCM Ltd Co. Network Commerciale Mediterraneo MALTA

Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")





Review: 00

Tatwer



MEDITERRANEO NCM Ltd Co. Network Commerciale Mediterraneo MALTA

Registration No. C 47825 Vat No.: MT 1967-7315 Malta (MT) 20, Cannon Road, SANTA VENERA SVR 9039 Tripoli (LY) Str. En Zara (immediately after the district "Furnagi")

www.mediterraneoncm.it