National Agency of Investment Development

Interview with Mr OUADAH Hocine, Wali of Constantine

Presentation of the Wilaya

Metropolis of the north-eastern of Algeria the Wilaya of Constantine, also called the "city of suspension bridges", spreads over an area of 2,297.2 km² with a total population of 1,113,301 inhabitants, 560,015 employed population 662,005 active population and an unemployment rate of 9.96%.

It is limited:

- to the north by the wilaya of Skikda,
- to the east by the wilaya of Guelma;
- to the south by the wilaya of Oum el Bouaghi;
- to the west by the wilaya of Mila.

It is organized into 6 Dairates and 12 municipalities.

Crossroads for all the wilayates of the east with a communication infrastructure, a developed road network linking all cities and urban centers of the east, a rail network providing various connections throughout the eastern region, an international airport.
The wilaya has two major industrial mechanical poles (Ain Smara and Oued H'mimine) which may lead to the development of the industry in outsourcing activities of:

- Industrial maintenance.
- Sheetmetal.
- Shaping.
- Manufacture of spare parts and accessories
- Service activities.

Huge investment opportunities are also available in the mining sector, through large deposits of various rocks, which may constitute interesting operating opportunities, especially since the wilaya and the whole region is experiencing a remarkable boom in construction projects, related to the size of public and private equipments program, completed or in cours of realization, among the rocks and minerals directories there are: construction sand, clay, limestone, gypsum, hydraulic lime, stone coating.

In addition to these potentialities, there is the existence of specific areas, namely:

Four (04) industrial zones and eleven (11) zones of activity:

- Tarf ben badis: 4476450 m².
- Aissa benhamida Didouche mourad: 955513 m².
- Palma: 733 877 m²
- 24 Février 1956: 387 614 m²
- Zighoud youcef: 342520 m²
- Ibn ZIAD I: 14.435 m²
Ibn ziad II: **80.500 m²**
M / Boudjeriou: **98560 m²**
Ain abid: **35 118 m²**
-Ben badis: **115 020 m²**
Khroub: **118716 m²**
Ali mendjeli: **756500 m²**
Ain smara: **214056 m²**
Bekira: **100.050 m²**
Rhumel: **794 891 m²**

**Youth and sport sector**

The wilaya of Constantine has:
- 2 specialized hall.
- 1 multipurpose hall.
- 14 Omnisport rooms.
- 1 Horse Park.
- 14 municipal stadiums.
- 1 Omnisport stadium.
- 8 football stadiums.
- 2 swimming pools.
- 11 sports complexes.
- 91 playgrounds.
- 2 athletics track.
- 1 youth camps.
- 3 youth hostels.

Or saves 02 operations:
Study and realization of a sports pole to chaab ersas municipality of Constantine.
Program authorization **900,000,000 DA**
Hosting capacity: **500** athletes accommodation.

The program includes:

- An administration and educational structure.
- A sports medical structure.
- A structure of accommodation and food.
- A pool.
- A room for team sports.
- A room specializing in combat sports.
- A room of gymnastic.
- An athletic field.
- Four tennis courts.
- Football fields in natural and artificial turf.
- A fitness trail.
- A bike path.
- A sports school.

Construction of a covered sports complex of **50,000 seats**: 1700000000.00 DA procedure in course.

To support various training clubs of the wilaya, all disciplines.

Training of young talents in various disciplines.

**AGRICULTURE SECTOR**

Agricultural activity in the wilaya may lead, in upstream, activities of the agrofood, ie mills, cheese production, fruit and vegetable canning, freezing facilities, tanneries and manufacturers of cattle feed.
The privileged location of Constantine registered the wilaya in an environmental field endowed with natural resources, the main indicators are:

- utilized agricultural area is: **131,096 ha** or **71.91%** of the SAT
  - including irrigated: **2,980 ha** or **2.30%** of the UAA.
- Path: **51,290 ha** or **28.10%** of the SAT
- forests: **27,719 ha** or **12.4%** of the STW

The wilaya enjoys a mild climate and relatively watered between **400** and **600** mm of rain. The lands are classified as:

- Fertile soil: **82,970 ha** or **37.2%** primarily intended for agricultural activity
- moderately fertile soils: **54,660 ha** or **24.5%** for agricultural use.
- Soils low potential: **75,620 ha** or **33.9%** forest and pastoral nature.
- Soils zero potentialities: **9,950 ha**.

**breeding**

Cattle: **51,535 heads**
  - Of which cows: **29,340 heads**
Sheep population: **172,560 heads**
  - Of which sheep: **99,600 heads**
Goat herd: **9,740 heads**
  - Of which goats: **4,190 heads**

Performance contracts assigned to the province during the year 2012-2013 contain information on objectives listed below as well as the state of implementation of the main sector.
The agricultural vocation of the wilaya is characterized by three main sectors, namely cereals, pulses and milk.

The main objective during agriculture campaign for the period the 2012 / 2013 and especially the culture of cereals with a consequent program of seed production of about 9,820 ha for a production of 247,000 quintals compared to the total cereal production of about of 1,563,000 quintals, exceeding the performance targets (100.2%).

The collected amount of grain is 1,296,365 quintals representing 82.9% of the total production.

Regarding pulses, the lens remains the most attractive for both the seed and the consumption representing a
global production of pulses of 34,370 quintals for a completion rate of 296%.

**Animal production**

<table>
<thead>
<tr>
<th>Animal production</th>
<th>Objectives for 2013</th>
<th>Achieved production</th>
<th>Rate of realization (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red meat (ql)</td>
<td>59 730</td>
<td>68 640</td>
<td>114.92</td>
</tr>
<tr>
<td>White meat (ql)</td>
<td>24 020</td>
<td>53 550</td>
<td>222.94</td>
</tr>
<tr>
<td>Milk (1000 L)</td>
<td>86 091</td>
<td>106 727</td>
<td>123.97</td>
</tr>
<tr>
<td>cow’s milk of which (1000 L)</td>
<td>82 736</td>
<td>96 988</td>
<td>117.23</td>
</tr>
<tr>
<td>Collecting Milk Cows (1000 L)</td>
<td>49 642</td>
<td>38 766</td>
<td>78.10</td>
</tr>
<tr>
<td>Eggs (1000 u)</td>
<td>22 319</td>
<td>22 714</td>
<td>101.77</td>
</tr>
</tbody>
</table>

The breeding activity has rebounded in the field of dairy cattle with 51,810 heads including 29,340 dairy cows producing 96,880,000 liters and 51,810 quintals of beef for the year 2013.

Milk production was largely satisfactory with a completion rate of 123.9% compared to the objective, it is the same with the collect of raw milk delivered to processing plants representing 38,760,000 liters.

**Impacts**

- Increase in agricultural production all segments combined mainly grain and raw milk
- Satisfaction of the wilaya in seed grain that may even supply other wilayates
- Improving the nutritional needs of the population to achieve the main goal of performance contracts namely the food security.
- The Production targets within the framework of the performance contracts for 2014 show a slight average increase of a rate of growing of 6% compared to the objectives of the 2013.
The Agricultural production represents a total value of **24.825 billion dinars** distributed between crop with **12.393 billion dinars or 49.9%** and livestock production with **12.433 billion dinars or 50.1%**, cereals occupy the first place with a rate of **25.7%**, followed by red meat with **23.2%** and the raw milk ranks third with **18.06%** of the total financial value.

The agricultural sector registered a total growth rate of **4.71%** comparing to the 2011/2012 campaign. The growth rate of livestock production is **7.07%** and the crop production is **2.06%**.

### HIGHER EDUCATION SECTOR

The project of the first university Town through the territory which includes **09 Institutes** of **3600 Places** and the Faculty of Medicine of **8000 places**, adding **19 university residences** of **38,000 beds**, this project is evaluated at **39.18 billion DA** is in course of completion.

A new university center of Islamic sciences grouping **2 000 seats**, a residence of **1 000 beds** and a restaurant with **800 seats** for AP **1.38 Billion DA** whose work will be initiated shortly.

### JUSTICE SECTOR

The Wilaya has the benefit of a New Court of Justice located at the Mentouri university area, which built area is **38,000 m2** distributed over **02 underground** and **09 floors**, work is currently in progress at **15%**, the overall cost of this project is **2.31 billion** dinars.

### SECTOR OF WATER RESOURCES

During the late 1990s, the wilaya of Constantine received a flow of **1400 l / s (121,000 m3 / d)** from mainly sicks of Boumerzoug, Hamma Bouziane and Hammam Grouz dam. This flow was contributing only **50%** of the total water demand. This handicap has made essential the use of other research resources to fill the gap.
The Wilaya of Constantine is characterized by an average rainfall of about **560 mm**, but this local water resource is insufficient in relation to domestic, industrial and agricultural demand, which makes the wilaya dependent on its geographical neighborhood, including the Wilaya of Mila which supplies drinking water from dams transfers:

- Hammam Grouz since 1988, to a rate of **600l / s**
- Beni Haroun in September 2007 for a flow of **3000 l / s (260,000 m3 / d)**.

From the 2000s, the sanitation of drinking water for citizens is a major concern for local authorities. The substantial public investments of the water sector experienced by the wilaya of Constantine during this period had a positive impact on the quality of life of citizens, especially since the startup of the system of Beni Haroun dam which provided an additional contribution of 260 000 m3 / d. This resulted in significant changes in socio-economic parameters indicated below:

**Socio-economic parameters:**

<table>
<thead>
<tr>
<th>year</th>
<th>2010</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endowment of DWS (l / d / inhab.)</td>
<td>173</td>
<td>188</td>
</tr>
<tr>
<td>Distribution range (time)</td>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>Connection rate in DWS%</td>
<td>94</td>
<td>95</td>
</tr>
<tr>
<td>Connection rate in Ass. %</td>
<td>87</td>
<td>89</td>
</tr>
</tbody>
</table>

**Distribution (time)**

- H24 : 71%
- daily: 16%
- 1d /2 : 09%
- 1d /3 : 04%

**Implementation projects: (4.000.000.000, 00 DA)**

- Creation of a wastewater treatment station of el Khroub.
- Creation of a wastewater treatment station at the new city Kendjeli Ali (3300000 000,00 da).
- Calibration of the wadis of urban areas of the wilaya of Constantine (1500000 000,00 da).
- Processing of the sanitation discharge of wadis Boumerzoug and Rhumel. (1,000,000,000.00 DA).
- Strengthening and securing of DWS of the South areas of the wilaya of Constantine (9,500,000,000.00 DA).
Strengthening and securing of DWS of the South areas of the wilaya of Constantine; khroub, ain NAHAS, Ben Badis

LOT 01: From the reservoir 20,000 m³ Masinissa and collecting field of Boumerzoug.

LOT 02: Drinking water supply of centers and towns in the northern area of the wilaya of Constantine from the dam of Beni Haroune northern extension of lane 3.

LOT 03: Doubling of the supply line treatment station of Wadi al Athmania to HAMMA BOUZIANE for strengthening and securing the DWS of the wilaya of Constantine.

- Implementation of pipe lines and storage of the south and west new town ALI Mendjeli extensions.
- Remediation of south west extensions of new town Ali Mendjeli.
- Joining of the main collectors of remediation towards sewerage treatment plant of the wilaya of Constantine.
- Planning of Rhumel wadi.
- Construction of a reservoir 50,000 m³ Ali Mendjeli - Project completed at 100%.
- Construction of a reservoir 50,000 m³ Guemas – project in course of realization.
- Realization of a connecting pipe in melting DN 800 mm between the reservoirs of Guemas-Camp-Fray on 07km. Project completed 100%.
- Renewal of Influent conduit in cast iron Boumerzoug DN 900mm on 13km (04-paths Chaabat Ressas). Project in course of realization. Rates. 90%.

**Impact**

Drinking water supply for the towns in the North Zone that is not currently connected to the Beni harouun system. For a total population of **250,000 inhabits** and for the south zone with a population of **100,000 inhabts**.

Remediation of urban wastewater of the municipalities of south and north areas of a population of around **400,000 inhabt**.

Industrial water supply of the new Industrial Area of Didouche Mourad about **400 ha**

Irrigation of agricultural land bordering the wilaya of Constantine for an area of about **2000 ha**.
Interview realized by ANDI with the Wali of Constantine  February 2014

**SECTOR OF PUBLIC WORKS**

### Roads:

<table>
<thead>
<tr>
<th>Designation</th>
<th>Length (KM)</th>
<th>Coated (%)</th>
<th>condition</th>
<th>Links</th>
</tr>
</thead>
<tbody>
<tr>
<td>RN 3</td>
<td>72.20</td>
<td>100 %</td>
<td>Bon</td>
<td>El Kantour – limite W-OEB</td>
</tr>
<tr>
<td>RN27</td>
<td>27.60</td>
<td>100 %</td>
<td>Bon</td>
<td>H-Bouziane – limite W-Mila</td>
</tr>
<tr>
<td>RN 5</td>
<td>24.20</td>
<td>100 %</td>
<td>Bon</td>
<td>Limit W Mila Boussouf</td>
</tr>
<tr>
<td>RNS5B</td>
<td>5.00</td>
<td>100 %</td>
<td>Bon</td>
<td>Ain smara – Boussouf.</td>
</tr>
<tr>
<td>RNS5A</td>
<td>4.40</td>
<td>100 %</td>
<td>moyen</td>
<td>Limit W- Mila – Ibn Ziad</td>
</tr>
<tr>
<td>RN27A</td>
<td>2.20</td>
<td>100 %</td>
<td>Bon</td>
<td>Hamma Bouziane</td>
</tr>
<tr>
<td>RN20</td>
<td>23.25</td>
<td>100 %</td>
<td>moyen</td>
<td>Khroub limit W.Guelma</td>
</tr>
<tr>
<td>RN20A</td>
<td>10.00</td>
<td>100 %</td>
<td>moyen</td>
<td>Bounouara – limit W.OEB</td>
</tr>
<tr>
<td>RN 79</td>
<td>29.20</td>
<td>100 %</td>
<td>Bon</td>
<td>Limit W- Mila- Hamma Bouziane</td>
</tr>
<tr>
<td>RN 79B</td>
<td>27.60</td>
<td>100 %</td>
<td>Bon</td>
<td>Route de l’aéroport – limite W.OEB</td>
</tr>
<tr>
<td>RN10</td>
<td>7.40</td>
<td>100 %</td>
<td>Bon</td>
<td>Carrefour O.Rahmoune - limite W.OEB</td>
</tr>
<tr>
<td>CT MASSINISSA</td>
<td>4.00</td>
<td>100 %</td>
<td>Bon</td>
<td>Boussouf – Zouaghi.</td>
</tr>
<tr>
<td>CT sud</td>
<td>2.90</td>
<td>100 %</td>
<td>Bon</td>
<td>Bd de la Soummam SMK</td>
</tr>
<tr>
<td>TOTAL</td>
<td>251.95</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Linéaire</td>
<td>total chemins communaux</td>
<td>662 KM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Operation: study and implementation of the viaduct Transhumel and its access to Constantine.

**In matters of study and realization** (launched project in course of being studied and realized)

- Allocated amount .................. 19.420.000.000,00 DA.
- Subject of contract.......... Study and realization of the viaduc Transhumel and its access to Constantine.
- Amount of the contract.......... 18.715.695.493,40 T.T.C
- Period of the contract ................. 47 Mois
- Company in charge of the realization .......... ANDRAD GUTIERREZ
In matter of technical monitoring

➤ Subject of the contract ....... Approval of studies and implementation plans, monitoring and control of the implementation of the viaduct Transrhumel and access to Constantine.
➤ Contract Amount ............... 430,516,917.55 T.T.C
➤ Design Office retained ........ DAR AL Handassah

Technical description of the Viaduct Transrhumel and its Access

<table>
<thead>
<tr>
<th>Article</th>
<th>Designation</th>
<th>Approximation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Length of the viaduct</td>
<td>756 ml</td>
</tr>
<tr>
<td>2</td>
<td>Number of spans</td>
<td>9</td>
</tr>
<tr>
<td>3</td>
<td>Section length to haudan</td>
<td>483 ml</td>
</tr>
<tr>
<td>4</td>
<td>Length of the central span</td>
<td>259 ml</td>
</tr>
<tr>
<td>5</td>
<td>Total shrouds</td>
<td>64</td>
</tr>
<tr>
<td>6</td>
<td>Maximum height of the deck</td>
<td>70 ml</td>
</tr>
<tr>
<td>7</td>
<td>Maximum height of the tower</td>
<td>136,78 ml</td>
</tr>
<tr>
<td>8</td>
<td>road section</td>
<td>7,000 ml</td>
</tr>
</tbody>
</table>

-The viaduct provides a link between the two shores of Rhumel: the place of the UNO (south side) to the city Emir Abdelkader (north side), the extension of the north connecting to El Jebel Ouahch directly on East - West Highway. This connection is designed to improve the flow of urban traffic in the city of Constantine.

-The work will connect the two banks of Rhumel and help resolve traffic problems at Constantine, in particular through its connection to the East - West highway.

Operation of connecting Transrhumel viaduct to EAST / WEST highways

Amount : 9 billion DA

To take in charge:
➤ Works
➤ Monitoring and Tracking
Interview realized by ANDI with the Wali of Constantine
February 2014
Page 12

- Expropriation
- Displacement of the networks
- Company in charge of realization: Grouping: ANDRADE GUTIERREZ / ENGOA
- technical monitoring and control: Group: DAR AL Handassah / SAETI / LTP / EST
- Completion time: 15 Months

**Physical consistency:**
Lot Road: 5.5 km

- Lot Work
  - viaduct 07 spans of 200 ml of length
  - overpass 03 spans a length of 52 ml
  - Overpass 02 spans, 38.20 ml length
  - Overpass 01 span, length of 30 ml of
  - Cross-section 2x2 "Extensible 2x3 routes.
  - Operation of splitting in two of the RN 20 between Khroub and Ain Abid 20 kms with
    exchanger **2,800,000,000.00 DA**

**TOURISM AND CRAFTS SECTOR**

The Wilaya contains significant natural sites and places that are able to boost the sector, a basic infrastructure (Airport Road East-West - Multiple Networks), natural assets, cultural and historical tourism and practically virgin spaces for all forms of investment.

It also has a strong craft potential in terms of both master craftsmen skilled and trades rooted in the tradition of the region, such as embroidery, pottery and brassware.
The achievement of a high standard hotel "Marriott" in Constantine. 180 rooms, including 159 standard, 10 executive suites, 10 senior suites and one presidential suite and other equipment will increase the carrying capacity.

### PROFESSIONAL TRAINING SECTOR

<table>
<thead>
<tr>
<th>designation</th>
<th>Unit</th>
<th>until 31/12/2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of training centers CFPA</td>
<td>Nbr</td>
<td>17</td>
</tr>
<tr>
<td>Capacity of CFPA</td>
<td>Nbre PF</td>
<td>4950</td>
</tr>
<tr>
<td>Number of annexes of training centers CFPA</td>
<td>Nbre</td>
<td>01</td>
</tr>
<tr>
<td>Annexes capacity CFPA</td>
<td>Nbre PF</td>
<td>100</td>
</tr>
<tr>
<td>Number of institutes (I.N.S.F.P + IEP)</td>
<td>Nbre</td>
<td>04</td>
</tr>
<tr>
<td>Number of institutes (I.N.S.F.P + IEP)</td>
<td>Nbre PF</td>
<td>1750</td>
</tr>
<tr>
<td>Number of internship</td>
<td>Nbre</td>
<td>09</td>
</tr>
<tr>
<td>Capacity of internship</td>
<td>Nbre PF</td>
<td>640</td>
</tr>
<tr>
<td>Administrative staff.</td>
<td>Nbre</td>
<td>492</td>
</tr>
<tr>
<td>Rate of capacity utilization</td>
<td>%</td>
<td>100%</td>
</tr>
<tr>
<td>Overall rate of abandon</td>
<td>%</td>
<td>15%</td>
</tr>
<tr>
<td>Staff ratios</td>
<td>%</td>
<td>95%</td>
</tr>
<tr>
<td>Graduation rates</td>
<td>%</td>
<td>95%</td>
</tr>
</tbody>
</table>

### SECTOR OF CULTURE

The wilaya of Constantine has

- 02 museums.
- 07 cinemas.
- 02 libraries.
For the Culture Sector and as part of the event "Constantine Capital of Arab Culture 2015", the wilaya of Constantine benefited from the inscription of 14 operations including a total of 19 projects with an overall estimate of 32.38 billion DA:

**In matter of realization**:
- A Great Performance hall, 3000 seats' type ZENITH "accusing a physical rate of 10%"
- An Exhibition pavilion located on the same site of Zouaghi at Ain El Bey
- National Museum of Art and History.
- Superior urban Library.
- 06 Annexes of the « Maison de la culture » at each daïra

**In matter of rehabilitation**:
- Rehabilitation of the Palace of Culture (El-Khalifa).
- Rehabilitation of the house of culture Malek Haddad.
- Development of the ex residence of the wilaya in Arts Centre.
- Rehabilitation of the Medersa in museum of great historical figures of Constantine.
- Rehabilitation of the building of the ex Monoprix in museum Of Modern Art.
- Rehabilitation of the seven (07) Cinemas of Constantine.
- Rehabilitation and Scenography of the Palace of the Bey.
- Rehabilitation of the Regional Theatre of Constantine.
- Rehabilitation and reinforcement of the Emir Abdelkader Mosque.

HEALTH SECTOR

The Wilaya represents, since many decades, the health capital of the Eastern Region by the capacity of existing infrastructure and the quality of its management in both the public and private sectors, given the potential reception facilities:

- 1 CHU for a bed capacity of 1,459
- 4 hospitals
- 9 pregnancies.
- 34 polyclinics.
- 56 treatment rooms.
- 761 GPs.
- 422 medical specialists.
- 39 pharmacists.
- 278 dentists.

And to strengthen this position, an operation was chosen which involves the study and implementation of a complex mother and children of 2,317,920,000.00 DA. This
infrastructure will support this category of the population.

Noting that in this context, many projects of realization of clinics of all specialties and units of production of drugs were selected under the CALPIREF and denoting the emergence of a pharmaceutical cluster.

**MAJOR PROJECTS in the TRANSPORT SECTOR**

- **1ST LINE OF TRAMWAY:**
  - Length: 8.1 km
  - Number of stations: 11
  - Number of interchange hubs: 03
  - Number of Park + Ride facilities: 02

  **Impacts of the project:**

  Backbone of the Public transportation Network, Tram line 1 will:
  - Improve the conditions of movement of users by moving means in common.
  - Improve accessibility to city center of Constantine and alleviate automobile traffic
  - Impose the implementation of the new plan for bus transport in the city of Constantine.
  - Help reduce urban pollution.

- **EXTENSION OF TRAMWAY LINE**
  - Length: **10.5 km**
  - Number of stations: **11**
  - Number of interchange hubs: **01**
  - Number of Park + Ride facilities: **01**
PROJECT IN COURSE OF REALIZATION STARING OF WORKS 1ST SEMESTER 2014

Extension to the airport Mohamed BOUDIAF.

- Length: 2.8 km
- Number of stations: 3
  - Projected line: extension of the line to El Khroub from the airport Mohamed BOUDIAF
- **Operationnal Cable car line:**
  - Place Tatache - CHU - Cite Emir Abdelkader
  - Length of the line: 1.5 km
  - Capacity: 2000 passengers/hour
  - Number of persons transported in 2013: 1,286,600
  - Record: 12 million transported between commissioning in 2008 and 2012

---

**STUDY AND IMPLEMENTATION OF TWO LINES OF CABLECAR**

at **CONSTANTINE** BOUMEZOU - BEKIRA
**Reception Infrastructures**

For the Transport Sector and within the framework of the improvement of airport facilities located throughout the country, the Wilaya of Constantine received a New Terminal at the airport of Boudiaf - Constantine for 2.95 Billion DA designed to accommodate more than 01 million passengers per YEAR. This new structure is Composed of a total built-up area of 13,294.73 m2, it was inaugurated in the month of July 2013.

**New terminal of Constantine into operation**

![New terminal of Constantine into operation](image1)

**Project in course of realization:** starting of the works 1\textsuperscript{er} quarter 2014
RAILWAY STATION BIMODAL Zouaghi

REGISTRED PROJECT

PROJECTION

Installation and equipment of more than **100 intersections** by traffic control and signaling lights at the major intersections of the city of Constantine, directly connected to the control center (PCC).