

**ENVIRONMENTAL MONITORING FORM  
CONSTRUCTION PHASE**

**1) Air quality (Site patrol to check the implementation of mitigation measures)**

**Duration:** 2020/07/01 ~ 2020/09/30

Mitigations	Place	Date	Time	Result of inspection	Remarks
<b>Watering</b>	-	-	-	-	Soil watering daily (2 to 5 times a day)
<b>Using cover sheet on trucks</b>	Construction site	2017/12/06	09:00	All sub-contractors use cover sheets on trucks	
<b>Others ( )</b>					

**2) Water quality**

**a. Drain outlet**

**Duration:** 2020/07/01 ~ 2020/09/30

Parameter	Unit	Result	Tunisian Standard related to Effluent (No.106-02) (Discharge into sea)	Remarks
Temperature	°C.	<b>19</b>	35	
pH	-	<b>7.9</b>	6.5 - 8.5	
BOD <sub>5</sub>	mg/L	<b>4.4</b>	30	
COD	mg/L	<b>NA</b>	90	COD rate can be measured only in low-salinity waters
Suspended Solid	mg/L	<b>34</b>	30	
Total Aliphatic Hydrocarbons (Oil, Grease, Tar)	mg/L	<b>&lt;10</b>	10	The value cannot be measured since the quantity is below 10 mg/l

**3) Noise**

**Duration:** 2020/07/01 ~ 2020/09/30

(Unit: dBA)

Location	Result (L <sub>50</sub> )	Limit values	Limits according to the municipal decision of July 26 <sup>th</sup> , 2000
Boundary of the power plant (1)	<b>59</b>	70 (*)	-
Boundary of the power plant (2)	<b>66</b>		
Boundary of the closest house	<b>67</b>	50 (**)	The construction site is in an industrial zone. Measurements will be made at the starting of the piles driving

(\*): Reference to IFC/EHS guidelines

(\*\*): Reference to the Tunisian Decree No. 84-1556 on the regulation of industrial estates relating to the noise level

Reference: IFC/EHS guidelines

Receptor	Day 07:00-22:00	Night 22:00-07:00
Residential, institutional, educational area	55	45
Industrial, commercial area	70	70

(Source: IFC/EHS General Guidelines, 2007)

4) Ecosystem

a. Migration birds: for first two years after starting the construction

Duration: 2020/07/01 ~ 2020/09/30

Scientific name	Local name	English name	Total No. of individuals	Conservation Status		Remarks
				IUCN	Decision of Ministry of Agriculture and Water Resources dated July 19, 2006	
						No migratory birds on site. The constructor will pay the necessary attention to this point.

b. Marine species (Zostera bed)

Duration: 2019/09/29

Species		St.1	St.2	St.3	St.4	St.5	Remarks
1	<i>Dead bivalves</i>						Sampling was done on Friday 29/09/2019, the report will be sent as soon as it will be prepared by the design office.
2	<i>Gastropod</i>	x		x		x	
3	<i>Polychaete</i>					x	
4	<i>Lamella branchiae</i>	x		x		x	
5	<i>Brittle star</i>						
6	<i>Annelid</i>						
7	<i>Spirograph polychaete</i>						
8	<i>Bivalves</i>	x		x		x	

<Sea Water Sampling Point>

Station	Lat	Log
St1	36°47'58.00N''	10°16'49.50N''
St3	36°47'37.50N''	10°17'20.20N''
St5	36°48'02.00N''	10°17'33.60N''
St6	36°47'46.20N''	10°17'41.00N''
St7	36°47'25.80N''	10°17'29.42N''
St12	36°47'28.60N''	10°17'48.10N''



5) Other

a. Waste

- Types and quantity of waste and disposal method

Duration: 2020/07/01 ~ 2020/09/30

Type of Waste	Amount	Waste Generation	Storage	Collection	Disposal
<b>General Waste</b>					
General Waste	21543	From office works and workers in the construction site			A contract has been signed with a specialized company
<b>Construction Waste*</b>					
Metal chips	370000				
Waste plastic	2924				A contract has been signed with a specialized company
Wood shavings	70000				
Waste glass	0				
Waste oil	0				
Batteries	0				

\*Parameter of type of waste can be deleted and/or added in accordance with actual type of wastes

b. Social environment

-**Social infrastructure:** number of cars used for construction work

Duration:	2020/07/01 ~ 2020/09/30
Number of cars	74

- **Local conflict:** Number and contents of received grievance and response

Duration: 2020/07/01 ~ 2020/09/30

Date	Name	Contents	Response	Remarks
				No grievance has been received since the starting of the project

- **Infectious Diseases:** Labor health records

Duration: 2020/07/01 ~ 2020/09/30

Item	Monitoring Results	Measures to be Taken (if any)
Number of pre-employment medical checkup	106	Pre-employment medical checkup is compulsory. Each worker on site gives his health aptitude report to the contractor
Number of periodic medical checkup	Checkups to be made every 3 months	

**c. Working environment and accidents:**

- Record of accidents

**Duration:** 2020/07/01 ~ 2020/09/30

Item	Monitoring Results	Measures to be Taken (if any)
Workers' accident	0	

**d. Accidents:**

- Record of traffic accidents

**Duration:** 2020/07/01 ~ 2020/09/30

Item	Monitoring Results	Measures to be Taken (if any)
Traffic accident	0	

**e. CO<sub>2</sub> emission:**

- Record of car registration (as a proof of machinery maintenance)

**Duration:** 2020/07/01 ~ 2020/09/30

Item	Monitoring Results	Measures to be Taken (if any)
Number of car registration check	74	Periodical maintenance of vehicles