

# REPORT

## THE MINUTES OF THE PRESENTATIVE MEETING ON VLORA TEC (HELD IN VLORA ON OCTOBER 28, 2002)

Today on October 28. 2002, in presence of:

Mr. Pjeter DEMA	Vice-Minister of Industry and Energy
Mr. Petrit AHMETI	Adviser of Minister for Energy
Mr. Besim ISLAMI	Chairman of National Agency of Energy
Mr. Arben DEMETI	Vice-Minister of Regulation of Territory and Turismus
Mrs. Tatjana HEMA	Vice-Minister of Environment
Mr. Shpetim GJIKA	Prefect of Vlora
Mr. Bashkim HABILAJ	Chairman of Council of District of Vlora
Mr. Niko VEIZAJ	Chairman of Municipality of Vlora

And with participation of the interested persons (see Annex 1 (Participation List), here included)

Was held the presentation meeting of the final Study on New TPP of Vlora, executed by MWH Company.

The Meeting was opened by Mr. Gjika Shpetim, Prefect of Vlora, who presented in front of auditorium the participants in meeting and thanked the working body for the chosing made on appointing Vlora as the city of the TPP to be built (4 Minutes).

The second one who presented the project was Mr. Islami Besimi, Chairman of the national Agency of Energy. He presented the project on all phases extended till now, beginning from idea draft on the building of a new TEC with a high productivity, the chosen of the place, the feasibility study, the technical and environmental aspects of the project. He also made a description of the other steps expected to be undertaken till the full realization of the project. During its presentation were made some short questions, especially on technical issues as for example on the fuel sorts to be used, on the technology to be used, etc. After finishing his presentation Mr. Islami invited the participants to ask questions (20 Minutes).

Here unten is given a summary of the questions made and the answers given on the resulted issues.

1. How much is going to influence on the sea water the hot water temperature, turned back from the cooling of the TPP condensation?

Mr. Islami Besim : The cold water temperature entering into the condendenser as average during all year is 15°C. After cooling in the condenser this temperature is increased on the level of 19-20°C. Moving the pulled out tube into the depth, in a distance 3-5 km from the seaside, is made possible that the sea water temperature to be increased no more than 1.5°C towards its value. This

makes possible the phenomenon avoidance of thermic heating and is within the permitted norms making possible the preservation of the marine flora and fauna (about 3 Minutes).

2. Has been taken in consideration the fact that into lagoon are not poured other water sources except the water sea and that the marine sole is clayey.

Mr. Islami Besim : The cold water is going to be obtained from the sea. The taking and unloading of the cooling water has no connection with lagoon. The full environmental study will make possible to be observed the impact which is going to have on the clayey sole the taking of the sea water. But the preliminary analyses show no negative influence will result (1 Minute).

3. What is the future of the Albanian Energy sector?

Mr. Islami Besim : The Ministry of Industry and Energy, the World Bank and KESH are doing a study on the development of the Albanian Electro energetic Sector. This study will finish on January 2003. Also since July 2002 has begun the work for preparing of National Strategy of Energy from the side of National Agency of Energy in collaboration with Albanian energetic institutions. Both these documents together with Electro energetic Politics will form the future basis for Albanian energetic sector development, in such a way that no crises to be more repeated (2 Minutes).

4. What kind of pollutants are emitted into the atmosphere?

Mr. Islami Besim : To reduce the emissions into the atmosphere has been showed caution since the election of the fuel which is going to be used onto TPP. As a result is going to be used diesel with a sulfur percent not higher than 0.5%. Both this with a very sophisticated technology offered by the combined cycle, especially gas turbines will make possible that the emissions into the atmosphere from this TPP to be within the permitted norms from WB, EIB and EBRD (3 Minutes).

5. Having in consideration that the TPP is near the city, have been analyzed the winds which may push the smokes towards the city?

Mr. Pirro Mitrushi : As here mentioned, the Vlora-City-Gulf, influenced from the Northwest-Southeast and Southwest-Northeast winds. On these conditions, based on the study of the rose of the wind of ex Soda PVC plant, the conditions for the TPP on the zone Vlora B are improved, because the displacement towards Northwest into 2-3 km improves (deviates) the wind movement. It is to underline that the new TPP emissions will be less problematic as those of ex-Soda-PVC Plant. The underlined values are the maximum ones on the case of using a non qualitative distillates with a Sulfur content less than 1% (2 Minutes).

6. Is the water to be taken from TPP to be unsalted?

Mr. Mitrushi Pirro : TPP needs for water are to be resolved : The potable water is to be taken from the water furnishing enterprise of city Vlora; industrial water < 200 m<sup>3</sup>/hour if possible

from the same enterprise, but if this enterprise will not be able to satisfy the needs of TPP, in Project has been foreseen an Unsalted Osmotic Plant of the sea water; the marine cooling water will be taken from the sea and then taken back into the sea. For the needs of boiler, turbines, etc. the project has foreseen as necessary an unsalted milder plant (2 Minutes).

7. Is polluted the zone chosen from the erecting of TPP?

Mr. Islami Besim : The chosen zone is 1.8 km way from PVC, zone which results polluted from mercury in very high levels. According the studies done this zone (Vlora B) may be not much polluted. But this zone may not be a turistic zone too, because is very near to the new port. (1 Minute)

8. Has been thought for the pipes and the pontile of oil?

Mr. Islami Besim : The question is very nice. On the study done from HARZA Company has been thought to be included all investments into the infrastructure connecting TPP with fuel, water and electricity networks. In the initial investment are included 2.6 millions US.\$ for rehabilitation of all terminal for a secure import and depositing of fuels. (3 Minutes).

9. Has any study been done for their renovation and replacement?

Mr. Islami Besim : I have to underline that in the supplementary investments to be included in the supply infrastructure with fuels, water and with electricity system, all these have been taken into consideration and consequently TPP will be secure in its job. Has to be underlined that also for other places this has been taken into consideration and this is it which gave priority the Vlora place. As conclusion I have again to underline that all investments have been taken into consideration for the whole infrastructure (2 Minutes).

10. Has been thought as a variant Vlora-C, because Vlora-A has since the beginning been disqualified?

Mr. Islami Besim: We first have chosen the Region. The analyse showed that the best region for this reason is Vlora. Then normally was passed in the choosing of the place in two zones of Vlora and the more promoting choices to be examined has been Vlora-A and Vlora-B. Vlora-A has problems with demolated objects and environmental pollution, as was analyzed over, so that consequently the other zone was it which provided the more effective and poore investments for the infrastructure, for supplying with fuels, for connection with the network and for the cooling water. We are going to analyse the variant presented here for Akernia zone, but in approximative calculations seems that this zone will need supplementary investments. (about 10-15 million US\$). (4 Minutes).

11. Are to be taken into consideration views resulting from this meeting?

Mr. Islami Besim : Yes of course. We show you that this conversation isn't done like a televisive show. We are totally preoccupied to follow all the steps, and as Mrs. Hema Tatjana said, it is

indispensable this meeting to be realized and the study on the environmental impact to analyse all preoccupations that concern you. Based on Aarhus Convent, it is the duty of the Albanian institutions to inform the public in reference to all projects phases and with the impact that it will bring to the community and surroundings.

12. What is Vlora going to win and lose from the construction of the TPP?

Mr. Islami Besim : The construction of the new TPP is firstly very important in national context and secondly in regional one. In national context the construction of TPP will make possible the diversification of the electricity generation, which will increase the supply security. As far as is concerned Vlora this TPP will make possible the local electricity generation, which will be a help in the development of local economy of the region. On the other side, this project, being combined with this one with the construction of a line 220 kV Fier- Babica (Vlora), will make possible the increasing of the production activities, especially the tourism, on which all we are looking. On the other side we have also to declare for all the problems to be confronted by the construction of TPP in the zone Vlora-B. This zone being near the port may of course not be a protective or touristic zone and showing prudence on choising of the technology and operating of TPP we may decrease in maximum the influence on the environment. (4 Minutes).

13. Has been taken into account the view of local govern on the phase of the chosin of the place?

Mr. Mitrushi Pirro : The history of the new modern TPP place has begun since 2 years ago. As beginning has been explained the need on a TPP in energetic system. Onward in the study on the rehabilitation of Fier TPP, have been outlined the needs for a study with variants in fuels, tecnologies and eventual places and the import option (HARZA); at last it is this project, which in the first phase examined 6 regions with 2 variants each of them. The views on this phase were not taken from the local govern, because this was not requested from the company for efect of confidence and prudence. This day and a month before we have been passing into these explanatory and indispensable procedural meetings. On the role of albanian consultant, we have suggested to have 2 variants for each region (one of which in an ex industrial zone and the other in a fre zone). Our suggestions have been opinions within our technical compnetence and we have been right. (4 Minutes).

14. Is there any study for any free possible industrial zone in Vlora?

Mr. Mitrushi Pirro : The industrial and commercial zones (parcs) are very interesting dhe such long-term and middle-term studies are the duty of the local government, of the civil and business society on each region. These are not to be requested to the central government or Ministry, but if they exist you have to present them to the government. The studies will be wellcomed. (3 Minutes)

15. It wouldn't be better that this site to be displaced on the North or the South, because the chosen site for the Vlora citiciens have to be a beach on the future?

Mr. Mitrushi Pirro : Firstly, the zone Vlora-B now and before has not been a beach, there exists only holes from the taking off the sand and bunkers. Secondly, southward between the port and ex Soda-PVC plant there is more pollution and practically we approach the city and the beach. Third, passing towards North we approach to Zvernec-Narta (which is a protected zone) or in Akkerni-Poro, which will request much more investments for the infrastructure. (3 Minutes).

16. The city of Vlora is located on a extension, that has been treated from a UNDP Programm as a protected zone of Narta Lagoon, which contains rare species. This has been the reason that we have had a lot of problems to make possible the approving of the TEC. Is possible to do another investigation?

Mr. Islami Besim : HARZA, KESH and us have begun the investigation of the place of the new TEC studying seven zones: Shengjin, Durres, Elbasan, Cerrik, Korca, Fier and Vlora. In all these zones were analyzed two zones: the first to be an industrial abandoned zone and the second a virgin zone. All places in ex industrial zones, which were analyzed, are very polluted and the dirtiest is the zone of ex Soda Plant in Vlora. On the one side it is good to be exploited an ex industrial zone for the construction of TPP, but on the other side it would firstly request the razing of everything in that zone and the decontamination of the zone (as exists in Vlora from mercury) and the investments for its realizing are at the level of 15-20 Millions US\$. If this value would be used for preparing of the place, this means that about 100 Millions US\$ borrowed for construction of the TEC would be decreased and the capacity of the TPP in this case would be 70-80 MW instead of 125 MW. Nevertheless, as we have repeatedly underlined, the chosen place is only 1.3 km way from the protected zone of lagoon and so is not possible to be included in a protected zone because it is near the port, the pipe network and the oil terminal.

Mr. Ahmeti Petrit : The new TEC we are discussing is a great endeavaour of both the American and Albanian specialists to make possible the successfull conclusion of the study and its implementation. Both the Ministry and the National Agency of Energy are going to do all the efforts for realizing the solution with minimal costs and minimal effect on the environment.

Mr. Habilaj Bashkim: Firstly I want to discuss as an thermal engineer. From this point of view having a long experience, I appreciate very good the up to now study. The tecnology and place chosing has been done in conformity with technical principles. What we would request as local authority is that are to be made some simple calculations for Vlora-C in Akerni zone just to compare with Vlora B site. If the new site (Vlora C) will asked an higher value for investment for TPP we of course will agree with the pprosed site Vlora B. We are going to sustain the project and request from the study team that on the phase of environmental impact study to be also included the local authorities. As conclusion, I appreciate this meeting very good and congratulate Mr. Islami and the NAE partecipants for the good job done.

Mrs. Hema tatjana : I appreciate very valuable the meeting organized from Ministry of Industry and Energy. It is the first time that a very detailed study is done in Albania analyzing 7 zones and 14 places in all the country. I congratulate thecolleges of Ministry of Industry and Energy, especeally NAE and iths chairman Mr. Islami Besim for the good job done.

At the same time I want to underline that the place chosen from their side is 1.3 km way of Narta lagoon, so that this zone has not been concluded in a protected zone. As I was expressed at the beginning this meeting is very valuable and I hope that this to be also realized in other phases. I want also to express that is indispensable that all three our institutions make a detailed study on the environmental impact, because on this zone is thought to be constructed the new TEC, fuels deposits and the drilling for oil wells.

Vice Minister Dema Pjeter : Our Ministry is working that the study of Vlora-TEC to be concluded on time. Your appraisements, remarks and suggestions have been very valuable and we will take them into consideration during the the other steps of the study. Both our Ministry and NAE are taking all the measures in order to precede the environmental study, which is expecting to begin soon. During November we will prepare all the necessary documentations to make possible the getting of licence on the construction place of TEC. We will also study the Akernie variant, doing some quick calculations to verify how more expensive is this variant.

Prefect of Vlora Mr. Gjika Shpetim : In conclusion of this meeting I want to thank Vice-Minister of Industry and Energy Mr. Dema Pjeter, Vice-Minister of Environment Mrs. Hema Tatjana, Vice-Minister of Terrain Regulation and Tourism Mr. Demeti Arben, Mr. Ahmeti Petrit and National Agency of Energy and especially Mr. Islami Besim for the great job they have done. Of course all participants gave constructive advices and some suggestions on the further improvement of the most important project job for Albania. We as local authorities guarant that we shall go on to sustain the made chosing that the TEC of Vlora to be constructed as sooner as possible and at the same time we request that the environmental impact study to be complete and from a good chosen technology to have a minimum impact on the environment.

## ANNEX

### Participants list on meeting

1. Mr. Pjeter DEMA Vice-Minister of Industry and Energy
2. Mr. Besim ISLAMI Chairman of National Agency of Energy
3. Mr. Arben DEMETI Vice-Minister of Regulation of Territory and Turismus
4. Mrs. Tatjana HEMA Vice-Minister of Environment
5. Mr. Shpetim GJIKA Prefect of Vlora
6. Mr. Bashkim HABILAJ Chairman of Council of District of Vlora
7. Mr. Niko VEIZAJ Chairman of Municipality of Vlora
8. Mr. Ahmeti Petrit Adviser of Minister of Industry and Energy
9. Mr. Mitrushi Pirro National Agency of Energy
10. Mr. Leskoviku Artan National Agency of Energy
11. Mr. Hizmo Aheron National Agency of Energy
12. Mr. Dedej Zamir Environment Ministry
13. Mr. Shakaj Kanan Chairman of Novosele Comune
14. Ms. Mbyeti Shpresa Eng. of Novosele Comune
15. Mr. Kume Arqile Electric Engineer
16. Mr. Sulaj Ferdinand Society of Albanian legitim owners
17. Mr. Suli Vaso Chemist
18. Mr. Rrapaj Adhurim Engineer
19. Mr. Dumani Dhimo Biolog, Society of Natyral Environment protection of Vlora
20. Mr. Gjika Mynyr Programmation Sekretary, District of Vlora
21. Mrs. Zunaj Luizaj Environment Regional Agency, Vlora
22. Mr. Monce Monce Liquidator of Soda-PVC Plant
23. Mr. Qomaj Sotir The Directory of Forest Service, Vlora
24. Mr. Shpata Pajtim Society "Blue Expedition"
25. Mr. Hoxha Clirim Environment Society "Kristo Papajani"
26. Mr. Gaxhi Jahri Engineer
27. Mr. Alltari Argent American Bank, Vlora
28. Mr. Islami Patriot Businessman
29. Mr. Haxhiu Vladimir Region Council, Vlora
30. Mr. Dervishaj Halim Director of SH.A Salt, Vlora
31. Mr. Hudhra Spiro Director of Electro-energetic Filial,, Fier
32. Mr. Gjidede Spiro Industry inspector in prefecture of Vlora
33. Mr. Meksi Arben Urbanistic Engineer
34. Mr. Sota Mario
35. Mr. Opari Faslli
36. Mr. Koka Anastas
37. Mr. Andoni Dhionis
38. Ms. Gjika Varvara
39. Mr. Kotorri Petrit