

States including Maharashtra for setting up gas-based power plants ?

**SHRI KALPNATH RAI :** The Government of India has appointed a Committee for the selection of the sites. That Committee will submit its report on 30th March 1989 in which the Government will take into consideration the problem of Maharashtra and Government of India is considering to include gas-based power plants in Maharashtra.

**SHRI ASHOK SHANKARRAO CHAVAN :** Sir, I feel that answer has not been properly given.

**MR. SPEAKER :** It is OK.

**PROF. MADHU DANDAVATE :** The hon. Member has asked a question and the reply was given by the hon. Minister that there is no inadequacy of power generation in Maharashtra. If hon. Member's father was present here, he would have actually pointed out the fallacy in his reply.

The Hon. Member has asked the correct question and I will quote the Chief Minister's contention which goes against exactly what the hon. Minister has said. For the development of backward areas in Maharashtra like the Kokan coastal area, there was a scheme for the establishment of Bharat Aluminium Project, a public sector unit; it was proposed long back, it has not been commissioned and is likely to be given up. The former Chief Ministers had repeatedly asked for adequate provision of power supply for this. Repeatedly we were told by the former Chief Ministers and confirmed by Mr Sathe, who was incharge of the Ministry here, that the amount of electricity that is required for the aluminium public sector project was very high and since Maharashtra was not able to make the provision for adequate power supply, that is why, this project cannot come up. I am pointing this particular plea to indicate that your answer is incorrect. There is no adequate supply of power in Maharashtra and, therefore, I will pick up the question that the hon. Member had asked in the

beginning. Will you take adequate steps to explore all sources of power generation like hydroelectric power generation in the backward areas of the Kokan region, where there is a lot of rainfall and try to see that inadequacy of power supply in Maharashtra is eliminated ?

**SHRI KALPNATH RAI :** As the hon. Member has said, there is some shortage of power in all the parts of the country. Taking into consideration, the shortage of power, the Government of India has already decided to sanction 3000 MW power for Maharashtra and that will solve the problem of Maharashtra. whatever suggestions have been given by the hon. Member, the Government will consider the same.

**SHRI BHATTAM SRIRAMA MURTY :** What are the various sites suggested for Andhra Pradesh ? Is Viskhapatnam also included ?

**SHRI KALP NATH RAI :** This does not arise out of this question.

#### Tidal power project in Gulf of Kutch

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\*271. **SHRI U. H. PATEL :**

**SHRIMATI PATEL RAMABEN  
RAMJIBHAI MAVANI :**

Will the Minister of ENERGY be pleased to state :

(a) whether Government have received the techno-economic feasibility report for the tidal power project in the Gulf of Kutch;

(b) if so, the details thereof;

(c) whether Government have taken the investment decision for the project;

(d) if not, the reasons for delay; and

(e) when the proposed project is likely to be implemented ?

THE MINISTER OF STATE IN THE DEPARTMENT OF POWER IN THE MINISTRY OF ENERGY (SHRI (KALPNATH RAI) : (a) Yes, Sir.

(b) The report envisages an installation of 900 MW, comprising 36 units of 25 MW each, generating 1690 GWh (million units) annually. The cost of installation and the cost of energy generation have been estimated as Rs. 1455/KW and Rs. 0.90/KWh respectively.

(c) No, Sir.

(d) The project is proposed to be implemented in four phases. With the completion of the techno-economic feasibility study, the work of the first two phases has been completed. In the third phase, the detailing of design and construction features and preparation of contract documents have to be taken up. The construction of the project forms the fourth phase.

(e) The projects will be implemented after the investment decision and detailing of the design and construction features.

[Translation]

SHRI U. H. PATEL : Mr. Speaker, Sir, in response to part 'E' of my question the hon. Minister has said that the project will be implemented after the investment decision and detailing of the design and construction features. In this regard may I know from the hon. Minister the time by which this work is likely to be completed ?

[English]

SHRI KALPNATH RAI : Sir, the survey is going on and this will be taken up as per plan.

[Translation]

SHRI U. H. PATEL : Mr. Speaker, Sir, in response to part (d) of my question, the hon. Minister has said that "the project is proposed to be implemented in four phases, With the completion of the

techno-economic feasibility study, the work of the first two phases has been completed." This is not clear, I could not understand it. Please clarify the position in this regard.

[English]

SHRI KALPNATH RAI : Sir, the tidal power generation is being considered for the first time in the Gulf of Kutch. A potential of the order of 9000 MW has been identified by UNDP experts in 1975 at 3 locations in the country. Of these about 7000 MW was in the gulf of Cambay in Gujarat and 1000 MW in the gulf of Kutch. In addition the potential for very small unit was identified in Sunderban in West Bengal. At present only France has the tidal power plant of 240MW. On the basis of that the Government of India is considering the feasibility study for the gulf of Kutch and it indicates that the installation and generation cost with tidal power are comparable with the present day coal-gas based thermal power plant. Moreover, the project will not result in an extra submerision and as such there will not be any problem of rehabilitation. At present the Government is concentrating on gulf of Kutch alone. No investigation has been taken up at other location.

[Translation]

SHRIMATI USHA THAKKAR : Mr. Speaker, Sir, I have asked this question in this House many times and I am told that survey is going on and the work will be started very soon. But, till now no work has been started. In the previous Budget session also I have asked this question in this regard and in response to that I was told that the work would be started in 1989. Now, I would like to know from the hon. Minister whether the survey of tidal energy is going on in Kutch or not ? Due to high temperature, the possibilities of tidal energy are more in the Kutch area. In view of this fact, what progress has been made in this regard ?

[English]

SHRI KALPNATH RAI : Sir, these

two tidal power projects are situated in the Kutch and Cambay. The techno-economic feasibility report is being processed and after that it will be considered for taking the investment decision. After the techno-economic clearance the next phase involving the detailing of the design and construction figures will be taken up. It will take two years. The project can be taken up after all these issues are completed.

[Translation]

**SHRI SHANTILAL PURUSHOTT-AMBHAI PATEL :** Mr. Speaker, Sir, most of the projects remain on paper only. Will the hon. Minister be pleased to state the number of projects, which have been processed and the time by which their construction work would be started ?

**MR. SPEAKER :** He has told that it is in process.

**SHRI SHANTILAL PURUSHOTT-AMBHAI PATEL :** Mr. Speaker, Sir, I want to know the time by which the construction work of those projects, which have been processed, will be started ?

[English]

**SHRI KALPNATH RAI :** Sir, when the techno-economic feasibility report will be submitted, the Government will send it for financial clearance.

**DR. KRUPASINDHU BHOI :** Mr. Speaker, Sir, it will be a milestone if in our country we can get this type of tidal power project. As far as my knowledge goes, Dr. Chughalingam, in Tamil Nadu Electricity Board first started the pilot plant there. I would like to know what is the present position. Whether the Ministry has cleared any pilot plant there ? If so, what is the name of the project; what is the design parameter and what are the chemicals required for this tidal power project ? Whether the pilot plant study has already been made ? Whether as per the techno-economic feasibility report the money part is comparable to thermal power generation

and hydro-electric generation ? This fact should be cleared first and then only we can implement this project on the priority basis.

**SHRI KALPNATH RAI :** The Gulf of Kutch and Gulf of Khambal (Cambay) on the Western Coast in Gujarat and Delta of Ganga in Sunderbans in West Bengal on the Eastern Coast have been identified as the potential sites worthy of being considered for tidal power development. A major step towards quantifying the overall possibilities of tidal power in India was taken up...

**DR. KRUPASINDHU BHOI :** Has any Pilot Plan been done in India or not, whether the design parameter has been satisfactory and whether chemical ingredient which is required has been done because our geo-political condition is different ?

**SHRI KALPNATH RAI :** No...  
(Interruptions)

**MR. SPEAKER :** It is not being done.

**SHRI KALPNATH RAI :** Sir, nothing has been done.

**PROF. MADHU DANDAVATE :** You can assure him that nothing will be done!

[Translation]

#### Telephone system in Delhi

\*272. **SHRI JAI PRAKASH AGARWAL :** Will the Minister of COMMUNICATIONS be pleased to state :

(A) whether planning of telephone system in Delhi is satisfactory;

(b) if so the reasons for which the waiting lists for telephones in some areas date back to 2-4 years whereas the waiting lists in some other areas have requests pending for 10-15 years; and

(c) the measures being undertaken to