

**Advisor (SP-C, VSE & VAC)
Government of India
Planning Commission
(State Plans Division)**

**Yojana Bhavan, Sansad Marg,
New Delhi, Dated 15.6.2004**

Subject : Minutes of the meeting to consider the use of bio-diesel/non edible oil in place of diesel in engines, use of bio mass residue for animal feed, fuel and manure and hi-tech agriculture based on Indian philosophy and use of local resources-further course of action.

A copy of the minutes of the meeting to discuss the work done by Prof. Anil Rajvanshi, Director, Nimbkar Agricultural Research Institute, Phaltan, Maharashtra in the area of cooking/lighting and the need of further course of research in the areas of the use of bio-diesel/non-edible oil in place of diesel in engines, use of bio-mass residue for animal feed, fuel and manure and hi-tech agriculture based on Indian philosophy and use of local resources, held on 14th June, 2004 under the chairmanship of Dr. Kamal Taori, Advisor (SP-C VSE & VAC), Planning Commission in Yojana Bhavan, Sansad Marg, New Delhi is enclosed herewith for information and necessary action.

Sd/-
(Harish Chandra)
Director (SPC)

1. Secretary, Ministry of Agriculture, Krishi Bhavan, New Delhi
2. Secretary, Department of Agricultural Research and Education, Krishi Bhavan, New Delhi
3. Secretary, Ministry of Non-Conventional Energy Sources, CGO Complex, New Delhi
4. Secretary, Ministry of Science and Technology, Technology Bhavan, New Mehrauli Road, New Delhi
5. Secretary, Ministry of Power, Shramshakti Bhavan, New Delhi
6. Secretary, Ministry of Rural Development, Krishi Bhavan, New Delhi
7. Principal Scientific Advisor, Government of India, New Delhi
8. Mrs. Sunita Narayanan, Director, Center for Science and Environment, 41, Tuglakabad Institutional Area, New Delhi
9. Principal Secretary, Planning Department, Government of Madhya Pradesh, Bhopal
10. Special Secretary, Planning Department, Government of Chhattisgarh, Raipur
11. Principal Secretary, Planning Dept., Government of Uttar Pradesh, Lucknow
12. Planning Secretary, Planning Department, Government of Uttaranchal, Dahrabad
13. Shri. Akshay Bhai, General Secretary, NOVA, C-1255 Indira Nagar, Lucknow-16
14. Shri. Adarsh Kumar, General Secretary, Rashtriya Women Sansthan, B-7/2, River Bank Colony, Pramila Shrivastav Marg, Lucknow
15. Prof. Anil Rajvanshi, Nimbkar Agricultural Research Institute, Phaltan, Maharashtra

Copy also to :

Planning Commission

PS to Members/MOS (Planning)

PS to Secretary

Pr. Advisers/Advisers/Head of Divisions

PS to Adviser (SP-C)

Shri. Rangan Dutta, Honorary Consultant

PLANNING COMMISSION
(State Plans Division)

Subject : Meeting to consider the use of bio-diesel/non-edible oil in place of diesel in engines, use of bio-mass residue for animal feed, fuel and manure and hi-tech agriculture based on Indian philosophy and use of local resources and future course of action

1. A meeting was held in the Planning Commission under the chairmanship of Dr. Kamal Taori, Adviser, Planning Commission on 14th June, 2004 to consider the use of bio-diesel/non-edible oil in place of diesel in engines, use of bio-mass residue for animal feed fuel and manure and hi-tech agriculture based on Indian philosophy and use of local resources further course of action on at 11 AM on 14.06.2004 in Yojana Bhavan, New Delhi. This is the first presentation in the series called "Performers Presentation" being organized by the Planning Commission where the performers who have done commendable work in the areas which they are concerned are invited for giving presentation. A copy of the notice issued is given at Annexure I. The list of participants is given at Annexure II. Dr. D. N. Tiwari, Member Planning Commission also attended the meeting and gave his blessings.
2. Dr. Kamal Taori, Adviser, Planning Commission [welcomed Prof. Anil K. Rajvanshi, Director, Nimbkar Agricultural Research Institute, Phaltan and briefly mentioned his work and objectives of launching the National Mission on Cooking and Lighting.](#) He also emphasized that its integration with other similar missions that have been launched in Government in the past. He mentioned that the proposed mission needs to be implemented in rural clusters alongwith other programs and its linkages with districts covered in Rashtriya Sam Vikas Yojana.
3. Prof. Rajvanshi made a presentation on Lighting of lives of rural population. He emphasized that two third of the country's population lives in rural areas and half of them have no access to electricity and this percentage is very high in some states. These people depend upon hurricane lanterns or open flame for lighting. Similarly, large population depends on biomass for their cooking needs. He suggested that technologies developed by his institute and other institutes in the country and abroad can be utilized for harnessing cooking and lighting needs. A copy of presentation is enclosed as Annexure III.
4. It was felt that the role of Women is necessary for energy security as burden to cook and get fuel lies with them. There is a need to have networking of various Government Organizations, Non Government Organizations, Federations, Corporate house, Industrial Houses, Non Resident Indians and public for having a holistic view of security.
5. It was mentioned by Dr. D. N. Tiwari, Member, Planning Commission that considerable discussions have already taken place with all State holders and there is a need to operationalize the recommendations of National Bamboo Mission and Bio Fuel, already been identified as major source for production of biodiesel and suitable to Indian condition. This would meet the fuel demand of rural population and save the precious, foreign exchange on import of petroleum products that have becomes costlier during recent times. The price of crude oil in international market has increased from US \$ 28 to US \$ 43 and the import bill has exceeded Rs. One lakh crore. He stressed that

linkage of proposed mission on cooking and lighting. The unmet research component should be funded by the various government departments. The harnessing of already developed technologies for rural areas should be implemented without any delay. The condition in Chattisgarh and Uttaranchal are conducive for growth of Jatropha cultivation.

6. The meeting discussed a course of action on issues vital to rural energy security, rural development and rural economy with the application of science and technology inputs. After detailed discussions in the meeting and taking into account the views expressed the meeting recommended the following course of action :
 - (i) Constitution of a Technology Mission on Cooking and Lighting in rural areas on emergency basis as this problem has remained unresolved despite huge investments in power generation, grid system and rural development. Composition of the Technology Mission, its terms of reference are to be decided by Planning Commission in consultation with the Pr. Scientific Adviser to the Government of India. It is felt that a timeframe of six months would be adequate for this purpose.
 - (ii) The meeting noted critical gaps in rural science research and technology development efforts because of lack of focus and somewhat diffused nature of research activities for the S&T system.
7. Shri. Rangan Dutta, Honorary Consultant who was associated with National Mission for Bio Diesel and National Bamboo Mission has suggested that there is immediate need of launching of two common coordinated research programs as follows :
 - (a) All India Coordinated Research Program (AICRP) on identification, selection and development of new crops for production of liquid fuels. This will be action oriented research program on the lines of Technology Mission on Oilseeds Development Program and cover all aspects.
 - (b) AICRP on strategic research for technology development for rural areas with the view to identifying high tech suitable for rural areas to bridge the existing technology between rural and urban sectors.
8. Dr. Kamal Taori, Adviser (VSE/VAC & SP-C), Planning Commission summarized the outcome of the meeting.
 - (a) There is a need for holistic approach to tackle the rural energy security of the country.
 - (b) There is a need to set up a Technology Mission on Cooking and Lighting. The composition of Technology Mission and its terms of reference are to be decided to Planning Commission in consultation with concerned Ministries within a six month period.
 - (c) The need of further research and development in critical areas be assessed by the Ministry of Science & Technology and Ministry of Non Conventional Energy Sources. Prof. Anil Rajvanshi be associated in this work.

- (d) Existing Research and Development activities with proven technology be disseminated through extension and federations and NGOs be associated with this effort.
 - (e) The cluster approach need to be adopted for biofuel production through Biomass and non-edible oils. This would generate employment opportunities and additional income.
 - (f) Suitable agencies be selected by AICRP. The linkages with Government Organizations, industry, NGOs and public be established to harness its full potential.
 - (g) Government of Madhya Pradesh, Uttar Pradesh, Chhatisgarh and Uttaranchal consider the above and provide all necessary support.
9. The meeting ended with a vote of thanks to the chair.

Annexure I

**Adviser (SP C, VSE & VAC)
Government of India
Planning Commission
(State Plans Division)**

**Yojana Bhavan, Sansad Marg,
New Delhi, Dated 15.6.2004**

Subject : Minutes to consider the use of bio-diesel/non edible oil in place of diesel in engines, use of bio mass residue for animal feed, fuel and manure and hi-tech agriculture based on Indian philosophy and use of local resources further course of action.

A meeting to discuss the work done by Prof. Anil Rajvanshi, Director, Nimbkar Agricultural Research Institute, Phaltan, Maharashtra in the area of cooking/lighting and the need of further course of research in the areas of use of bio-diesel/non-edible oil in place of diesel in engines, use of bio-mass residue for animal feed, fuel and manure and hi-tech agriculture based on Indian philosophy and use of local resources, will be held at 11 AM on 14th June 2004 under the chairmanship of Dr. Kamal Taori, Adviser (SP C, VSE & VAC), Planning Commission in the Committee Room No. 136, Yojana Bhavan, Sansad Marg, New Delhi.

You are requested to kindly make it convenient to attend the meeting.

(Harish Chandra)
Director (SPC)

1. Secretary, Ministry of Non-Conventional Energy Sources, CGO Complex, New Delhi.
2. Secretary, Ministry of Power, Shramshakti Bhavan, New Delhi.
3. Secretary, Ministry of Rural Development, Krishi Bhavan, New Delhi
4. Mrs. Sunita Narayanan, Director, Center for Science and Environment, 41 Tuglakabad Institutional Area, New Delhi
5. Secretary, Planning Department, Government of Madhya Pradesh, Bhopal
6. Special Secretary, Planning Department, Government of Chhattisgarh, Raipur
7. Principal Secretary, Planning Dept., Government of Uttar Pradesh, Lucknow
8. Planning Secretary, Planning Department, Government of Uttaranchal, Dehradun
9. Shri. Akshay Bhai, General Secretary, NOVA, C-1255 Indira Nagar, Lucknow-16
10. Shri. Adarsh Kumar, General Secretary, Rashtriya Women Sansthan, B-7/2, River Bank Colony, Pramila Shrivastav Marg, Lucknow
11. Prof. Anil Rajvanshi, Nimbkar Agricultural Research Institute, Phaltan, Maharashtra with the request to send a detailed note/copy of presentation. He may come for 14th and 16th June 2004 to have further discussion. His to and fro air travel from Pune to New Delhi will be paid by Planning Commission.

Copy also to :

Planning Commission

Pr. Advisers/Advisers/Head of Divisions

Protocol : For booking of Committee Room

Maps & Charts Units : For arrangement of laptop with projector

Annexure II

List of Participants to the Meeting to consider the use of bio diesel/non-edible oil in place of diesel in engines, use of bio-mass residue for animal feed, fuel and manure and hi-tech agriculture based on Indian philosophy and use of local resources and future course of action held on 14.06.2004 at 11.00 A.M.

Sr. No.	Name & Designation	Address	Email & Telephone No.
1.	Shri. D. N. Tiwari, Member, Planning Commission	Planning Commission	In Chair
2.	Shri. Rangan Dutta, Honorary Consultant	Planning Commission	
3.	Dr. Kamal Taori, Adviser	Planning Commission	
4.	Dr. Anil K. Rajvanshi	Director, Nimbkar Agricultural Research Institute, Phaltan, Maharashtra	
5.	Dr. Jaya Shukla, Member, Planning Commission of Uttaranchal	24, Akbar Road, New Delhi	9899294455 Jayashukla@hotmail.com
6.	Shri. Harish Chandra, Director	Planning Commission	23096559
7.	Dr. H. L. Sharma, Director	Ministry of Non-conventional Energy Sources, CGO Complex, Lodhi Road, New Delhi	24363203
8.	Shri. M. Sonowal, Dy. Advisor	Planning Commission	
9.	Shri. Surendra Singh, Director	Planning Commission	
10.	Dr. Harish Kumar Srivastava	7, Beeta Road, Dehradun	9898190239
11.	Mr. Laxmi Dass, Ex Chairman, KVIC	ABGM, 2 Shakarpur	22521191, 22011714
12.	Shri. Ramesh Verma	2-1/13-17, New Shivbin, Hapur	NDMMA President
13.	Shri. Basant	Gandhi Samriti, 5, Tees January Marg, New Delhi-11	011-23-12980 9818131290 Email : basantskp@hotmail.com
14.	Dr. K. P. Singh	NDMMA	0122-2302385
15.	Shri. Ajay Swarup Srivastava, SRO	Planning Dept. Government of Uttar Pradesh, Room No. 650, Yojana Bhawan, Lucknow	2238918
16.	Shri. Mohit Mittal, Tinna Oil & B Chemicals	6, Sultan Puri, Maul Rd., Mehrauli, New Delhi	9811603291
17.	Shri. Faulbir Singh, IKLADE	Poladpur, Dist. Bulandshar, U.P.	

18.	Dr. Lalit Kumar, Dy. Adv.	Planning Commission	2344
19.	Ms. Vandana Siwal, Consultant	Planning Commission	2344
20.	Ms. Aruna Vohra, SRO	Planning Commission	2344
21.	Shri. P. Narayanan	Planning Commission	2546