

Dear Dr. Guspeth,

The enclosed material and copies of the letter supplement the brochure " A Case Study in environment management" which Dr. P.D. Bhatnagar presented to you at Taj Palace Hotel on 22nd February, 1989./ The interesting aspects of regenerating and recycling the inputs for sustainable development, utilising the unemployed manpower and regenerating wastelands have a very high potential for future.

I am enclosing <sup>the</sup> a bio-data of Dr. P.D. Bhatnagar who is implementing the project. You may utilise his expertise as consultant/expert in your activities specially where develop<sup>ment of</sup>ment a model based on actual gross root experiences is concerned. The model that Dr. Bhatnagar has developed at present with environment education ~~has~~ inputs for regeneration and sustainable development leading to self employment. <sup>This work</sup> has been taken up in most hostile conditions on the border line of the advancing desert. In spite of four years of continuous drought the encouraging results have been systematised/computerised. Possibility of giving ~~a~~ publicity and <sup>or undertaking a</sup> trial ~~of~~ this model ~~to this and similar~~ models could be certainly ~~be~~ of interest to WRI.

With regards,

Yours sincerely,

(M.S. Swaminathan)

**M.S. SWAMINATHAN**

B-4/142 SAFDARJUNG ENCLAVE

NEW DELHI-110 029

Telephone : 679069

February 27, 1989.

Dear Shri Geethakrishnan,

I have been informed by Dr. P.D. Bhatnagar that the Indo-US Project submitted by him in 1985 has been finally cleared by the Ministry of Environment and Forests which would be acting as the nodal agency. Dr. Bhatnagar has also informed me that he has discussed the matter with the American Embassy in New Delhi, while his counter part Dr. L.K. Bhardwaj has discussed the same with the authorities in Washington. Apparently, the project is likely to commence in the near future. The Consortium of Scientists for Sustainable Development <sup>will</sup> be implementing the project and several experts will be visiting the project site. A considerable amount of secretarial work will have to be carried out at Delhi.

It will be very helpful if one quarter is allotted in the Asiad Village Complex in the name of the Ministry itself for this project. The standard rent of the quarter could be paid from either the project funds or from the institutional funds of the Consortium of Scientists. Such a facility will not only help to save time and money but will also facilitate the coordination work between the Ministry and the various participating institutions (at least 12 in Delhi and 20 others in India besides about 10 in USA). I shall therefore be grateful if you could kindly get this proposal examined for appropriate action.

With kind regards,

Yours sincerely,

*M.S. Swaminathan*

(M.S. Swaminathan)

Shri G.P. Geethakrishnan,  
Secretary,  
Ministry of Environment and Forests,  
Lodi Road, New Delhi.

*For Approval  
of the members 15*

## CONSORTIUM OF INDIAN SCIENTISTS FOR SUSTAINABLE DEVELOPMENT\*

DR. M.S. SWAMINATHAN  
CHAIRMAN

DR. P.D. BHATNAGAR  
CONVENOR

March , 1989.

Dear Colleagues,

You will be glad to know that the Hon'ble Prime Minister visited the Pushkar Project area on 6.2.1989. He stopped and alighted from his car at the 4th Gate out of six erected for his welcome. The gates were informative and present the sequence :

- (i) Relevant science and technology inputs for ecological sound development of regeneration programmes.
- (ii) Activities for regeneration and ecological sound development programmes leading to self employment.
- (iii) Self employment to promote regeneration and development of the area.
- (iv) Serpentarium and a sanctuary for local fauna.
- (v) Regeneration and recycling of inputs involvement of local people.

2. Hon'ble Prime Minister has also agreed to join the Consortium Members in a meeting followed by lunch. The programme has been tentatively suggested for about 11th April (or possibly upto 1st week of May). The final programme will be intimated by Prime Minister's Office and I will inform you telegraphically so that you may make it convenient to attend.

3. The Chairman, Dr. M.S. Swaminathan has approved the above.

4. The colleagues may kindly present the report

---

• Initiated : 1967, A non profit registered Society.

Regd. Office: 13, Ber Saral, New Delhi, Project Office: 1, Vaishali Nagar, Ajmer (India) 305001

**CONSORTIUM OF INDIAN SCIENTISTS  
FOR SUSTAINABLE DEVELOPMENT\***

: 2 :

of their activities particularly those dedicated related to the cause of development of people undertaken or participated by them. They may also kindly send the abstract of their resume covering about 300 words along with their photographs.

5. The colleagues who have undertaken or are planning to undertake the projects through the aegis of Consortium of Indian Scientists may send brief, report and outline of the same by 1st of April or so so that they may be made available for information and record.

(P.D. Bhatnagar)

All Members of the Consortium

---

\* **Initiated** : 1967. A non profit registered society.  
**Regd. Office**: 13, Ber Sarai, New Delhi. **Project Office**: 1, Vaishali Nagar, Ajmer (India) 305001

*for reference*

**CONSORTIUM OF INDIAN SCIENTISTS  
FOR SUSTAINABLE DEVELOPMENT\***

DR. P.D. BHATNAGAR  
CONVENOR

March 15, 1989.

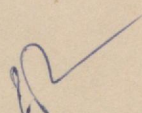
Dear Dr. Tiwari,

Find enclosed the minutes of the meeting dated  
9.3.1989 held at 69, Asiad Village at 11.00 A.M.

With regards,

Encl: As above

Yours sincerely,

  
(P.D. Bhatnagar)

Dr. R.S. Tiwari,  
Professor  
Civil Engineering  
Roorkee University,  
Roorkee.

Minutes of the meeting held on 9.3.89 at 11.00 A.M.  
in 69, Asiad Village, New Delhi.

..

Present

1. Dr. R.S. Tiwari,  
Roorkee University
2. Shri  
Research Fellow,  
Roorkee University
3. Dr. P.D.Bhatnagar  
Pushkar Project

1. The progress of the project programme was reviewed.

2. It was decided that a trip to Jodhpur at the earliest possible may be organised so as to procure the imagery etc. Dr. Tiwari to kindly intimate his dates of reaching Jodhpur so that Dr. Bhatnagar may join him there.

3. Dr. Tiwari will write to relevant authorities with CCT tapes and satellite imagery or the project area may be developed with three months interval and analysed under the remote sensing project sponsored by the Ministry of Environment and Forests. This will enable us to develop the model for monitoring the seasonal variations of sand dunes movement and vegetation etc.  
(Action: Dr. Tiwari)

4. The relevant Departments may also be requested for photographs presented during Seminar of desert technology attended by Dr. Tiwari.

(Action: Dr. Tiwari)

5. The concept of balloon photography mooted by Dr. Tiwari may be given a concrete form in terms of a modest project for Department of Science and Technology (This will also help intensive and close monitoring for induced rain experiments). The outlines

of the project will be developed by Dr. Tiwari and Dr. Bhatnagar will finalise and supplement the same for submission to the DST under aegis of Consortium of Indian Scientists.

6. Relevant authorities be contacted for regular flights and photograph at monthly possible intervals on the project area and the photographs be made available to Prof. Tiwari for further analysis.

7. The new variety of grass that needs very little or no water at all that came to Dr. R.S. Tiwari may be looked into and tried out in the project area. Dr. Tiwari to kindly supply more details. For example, the name of the grass and the agency that developed it. The results of the field trial if any will be procured.

8. Cheque for Rs.25000/- in addition to the one already sent to Dr. Tiwari was procuring for immageries etc. The audited accounts (or unaudited with all complete details so that the audit may be conducted by the Consortium and Audits) may be submitted by the 1st week of April so that the funding agency may be intimated of the position at the close of financial year. Dr. Tiwari may kindly send the same to the Convenor of the Consortium of Scientists. A separate account for the project may be opened by Dr. Tiwari or if he chooses it may be operated through the University.

9. Dr. Bhatnagar had already discussed with Major Bhatnagar of the Survey of India, R.K. Puram and Dr. Tiwari who is going to visit that office may pursue, besides his other requirements for the project, procurement of maps of the scale 1:15000 and 1:10000. It will also be requested formally by Dr. Tiwari with Survey of India may take up the preparation of updated maps for the project area in its own regular programme schedule so that project may not have to pay extra for this purpose.

10. The outline of the progress report for the activities under taken at Roorkee may kindly be sent to the Convenor of the Consortium so that he may finalise a report or compiling the activities under taken at field level and submit the report at the funding agency Ministry of Environment and Forests. This may kindly be accomplished by 1st week of April.

*R*

*For info  
to affix*

## CONSORTIUM OF INDIAN SCIENTISTS FOR SUSTAINABLE DEVELOPMENT\*

DR. M.S. SWAMINATHAN  
CHAIRMAN

DR. P.D. BHATNAGAR  
CONVENOR

March , 1989.

Dear Colleagues,

You will be glad to know that the Hon'ble Prime Minister visited the Pushkar Project area on 6.2.1989. He stopped and alighted from his car at the 4th Gate out of six erected for his welcome. The gates were informative and present the sequence :

- (i) Relevant science and technology inputs for ecological sound development of regeneration programmes.
- (ii) Activities for regeneration and ecological sound development programmes leading to self employment.
- (iii) Self employment to promote regeneration and development of the area.
- (iv) Serpentarium and a sanctuary for local fauna.
- (v) Regeneration and recycling of inputs involvement of local people.

2. Hon'ble Prime Minister has also agreed to join the Consortium Members in a meeting followed by lunch. The programme has been tentatively suggested for about 11th April (or possibly upto 1st week of May). The final programme will be intimated by Prime Minister's Office and I will inform you telegraphically so that you may make it convenient to attend.

3. The Chairman, Dr. M.S. Swaminathan has approved the above.

4. The colleagues may kindly present the report

---

• Initiated : 1967, A non profit registered society.

Regd. Office: 13, Ber Saral, New Delhi, Project Office: 1, Vaishali Nagar, Ajmer (India) 305001

inf > P

# CONSORTIUM OF INDIAN SCIENTISTS FOR SUSTAINABLE DEVELOPMENT\*

: 2 :

of their activities particularly those dedicated related to the cause of development of people undertaken or participated by them. They may also kindly send the abstract of their resume covering about 300 words along with their photographs.

5. The colleagues who have undertaken or are planning to undertake the projects through the aegis of Consortium of Indian Scientists may send brief, report and outline of the same by 1st of April or so so that they may be made available for information and record.

(P.D. Bhatnagar)

All Members of the Consortium

---

• **Initiated** : 1967, A non profit registered society.  
**Regd. Office**: 13, Ber Sarai, New Delhi, **Project Office**: 1, Vaishali Nagar, Ajmer (India) 305001

**CONSORTIUM OF INDIAN SCIENTISTS  
FOR SUSTAINABLE DEVELOPMENT**

*For information*  
Dr. M.S. Swaminathan  
Chairman

Dr. P.D. Bhatnagar  
Convenor

Regional College Campus  
Ajmer (INDIA)  
Tele: 30884

March 15, 1989.

Dear Respected Agarwal,

Kindly refer to several meetings regarding the innovative programmes for the Centre to be organised in cooperation and mutual benefit of the Consortium of Indian Scientists/Pushkar Project and the Aurvindo Centre, Delhi.

The ideas as finally culminated held in the 4th meeting dated 12.3.1989 in your Chamber at the Aurvindo Centre at 11.00 A.M. are as under :-

- (i) Steps may be taken to organise the following activities :-
  - (a) A Cretch for a environment education based, nursery and primary programme (special care has to be taken regarding the equivalence and adjustment with the existing education system; emphasised by Dr. Agarwal.
  - (b) A Nursery of plants for sale on non profit basis along with other Pushkar Project products.
  - (c) Models of modest hutments as being developed by the Pushkar Project/Consortium in collaboration with CBRI Roorkee, Department of Engineering, Jodhpur University and the Housing Board, Rajasthan could be set up in the Centre. They will provide transit facilities to the project workers and other visiting scientists or dignitories during their visits to the Delhi Centre.

# CONSORTIUM OF INDIAN SCIENTISTS FOR SUSTAINABLE DEVELOPMENT\*

Dr. M.S. Swaminathan  
Chairman

Regional College Campus  
Ajmer (INDIA)  
Tele: 30894

Dr. P.D. Bhatnagar  
Convenor

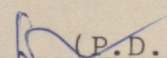
: 2 :

- (d) Any equipment books provided by the project or consortium or other individuals through Dr. P.D. Bhatnagar for the benefit/training of students etc. will be properly accomodated and used in the Centre.
- (e) The possibility of utilising the facilities of the Centre, for example the seminar Hall and the proposed hostel accommodation, on the lines of India International Centre, on private basis to be worked out.
- (f) The above arrangements will obviously ensure that aspects and consequent abstaining from alcoholic and non-vegetarian supplies is to be ensured.
- (g) Trials of some flowers, vegetables etc. for the Centre may be undertaken. The problem of barkish water to be taken up by getting the samples outside and advice from the experts taken for that purpose.
- (h) The mother tinchers of Aurvedic plants as being tried out by the Seva Mandir at Ajmer and plants being nurtured by the Pushkar Project is to be brought out to Dr. Agarwal.

I hope to continue your kind information, guidance and cooperation.

With regards,

Yours sincerely,

 (P.D. Bhatnagar)

---

\* Initiated : 1967. A non profit registered society  
Regd. Office: 13, Bar Sarai, New Delhi. Project Office: 1, Vaishali Nagar, Ajmer (India) 305001

No.L-12012/16/83-ER/RE  
Government of India  
Ministry of Environment and Forests  
Department of Environment, Forests and Wildlife

...

Paryavaran Bhavan  
CGO Complex, Lodi Road  
New Delhi-110 003.

Dated the 17th March, 1989.

To

The Secretary,  
Consortium of Indian Scientists  
for Sustainable Development,  
13, Ber Sarai, Near IIT Hostel,  
New Delhi-110 016.

Subject: Financial assistance for Regeneration of  
Pushkar lake Valley Ecosystem - Proposal  
from Consortium of Indianf Scientists for  
Sustainable Development, New Delhi.

...

Sir,

I am directed to refer to this Ministry's sanction letter of even number dated 2.3.85 and 13.3.89 and to convey the sanction of the President for the revision of total outlay from Rs.4948787/- to Rs.49,93,487/- (Rupees Forty nine lakhs ninety three thousand four hundred and eighty seven only) on account of revision of emoluments. Sanction of the President is also hereby conveyed for the payment of Rs.44,700/- (Rupees Forty four thousand and seven hundred only) as arrears w.e.f. 1.4.1987 to 31.3.1989 w.r.t. Project Manager

2. The arrears should be paid to the Staff engaged in the project within sixty days from the date of receipt of demand draft. If the arrears are not paid within sixty days the amount should be refunded to the Department.
3. No further claims on arrears will be admitted on the project.
4. A utilisation certificate should be enclosed alongwith arrears paid statement.
5. The sanction is subject to conditions as detailed in Annexure-I attached with this Ministry's sanction letter of even number dated 2.3.85 and the O.M.No.4/9/88-RE dated 12.9.88 and 4.11.88.

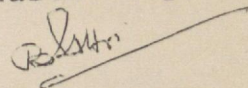
: 2 :

6. The amount of Rs.44,700/- (Rupees Forty Four thousand and seven hundred only) will be drawn by the Drawing and Disbursing Officer, Ministry of Environment and Forests, New Delhi, and disbursed through an account payee demand draft/cheque drawn in favour of Secretary, Consortium of Indian Scientists for Sustainable Development, 13, Ber Sarai, Near IIT Hostel, New Delhi.

7. The amount in question will be debitable to Major Head '3435' B-Ecology and Environment, B.3-Environmental Research and Eco-Regeneration, B.3(4)-Research and Ecological Regeneration, B.3(4)(4)Field Action Programme on Restoration of selected Eco-system under Demand No.22, Ministry of Environment and Forests for the year 1988-89 (Plan).

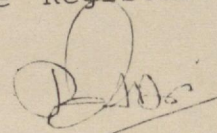
8. The sanction has been issued as per Office Order No.4/9/88/RE dated 1st December 1988.

Yours faithfully,

  
(B.S. Attri)  
Scientist 'SE'

Copy to :

1. The Pay and Accounts Officer, Ministry of Environment and Forests, New Delhi-3.
2. PGC Section (2 copies) for arranging payments.
3. Accounts Section.
4. Finance Division.
5. Director of Audit (CW&M-II) AGCR Bldg., New Delhi-2.
6. Secretary, Department of Environment, Government of Rajasthan, Rajasthan Secretariat, Jaipur.
7. District Magistrate, Ajmer (Rajasthan).
8. Dr. P.D. Bhatnagar, 7-Regional College Campus, Pushkar Road, Ajmer.
9. ✓ Dr. M.S. Swaminathan, Chairman, Consortium of Indian Scientists, B-4/142, Safdarjung Enclave, New Delhi.
10. Sanction folder/Guard file/Expenditure Register.

  
(B.S. Attri)  
Scientist SE

No.L-12016/16/83-ER  
Government of India  
Ministry of Environment & Forests  
Department of Environment, Forests and Wildlife

...

Paryavaran Bhavan  
CGO Complex, Lodi Road,  
New Delhi-110 003.

Dated the 10th March, 1989.

To

The Secretary,  
Consortium of Indian Scientists  
for Sustainable Development,  
13, Ber Sarai,  
Near IIT Hostel,  
New Delhi.

Subject: Financial assistance for Regeneration of  
Pushkar Lake Valley Ecosystem - Proposal  
from Consortium of Indian Scientists for  
Sustainable Development, New Delhi.

....

Sir,

I am directed to refer to this Ministry's sanction letter of even number dated 2.3.1985 and to convey the sanction of the President for the revision of total outlay from Rs.4234400/- to Rs.4948787 (Rupees Fortynine lakh forty eight thousand seven hundred and eighty seven only) on account of revision of emoluments. Sanction of the President is also hereby conveyed for the payment of Rs.467723 (Rupees Four lakh Sixty seven thousand seven hundred and twenty three only) as arrears upto 31.3.1989.

2. The arrears should be paid to the Staff engaged in the project within sixty days from the date of receipt of demand draft/cheque. (If the arrears are not paid within sixty days the amount should be refunded to the Department).

3. No further claims on arrears will be admitted on the project.

4. A utilisation certificate should be enclosed alongwith arrears paid statement.

5. The sanction is subject to conditions as detailed in Annexure-I attached with this Ministry's sanction letter of even number dated 2.3.1985 and the O.M.NO. 4/9/88-RE dated 12.9.88 and 4.11.88.

No.L-12016/16/83-ER  
Government of India  
Ministry of Environment & Forests  
Department of Environment, Forests and Wildlife

...

Paryavaran Bhavan  
CGO Complex, Lodi Road,  
New Delhi-110 003.

Dated the 10th March, 1989.

To

The Secretary,  
Consortium of Indian Scientists  
for Sustainable Development,  
13, Ber Sarai,  
Near IIT Hostel,  
New Delhi.

Subject: Financial assistance for Regeneration of  
Pushkar Lake Valley Ecosystem - Proposal  
from Consortium of Indian Scientists for  
Sustainable Development, New Delhi.

....

Sir,

I am directed to refer to this Ministry's sanction letter of even number dated 2.3.1985 and to convey the sanction of the President for the revision of total outlay from Rs.4234400/- to Rs.4948787 (Rupees Fortynine lakh forty eight thousand seven hundred and eighty seven only) on account of revision of emoluments. Sanction of the President is also hereby conveyed for the payment of Rs.467723 (Rupees Four lakh Sixty seven thousand seven hundred and twenty three only) as arrears upto 31.3.1989.

2. The arrears should be paid to the Staff engaged in the project within sixty days from the date of receipt of demand draft/cheque. (If the arrears are not paid within sixty days the amount should be refunded to the Department).

3. No further claims on arrears will be admitted on the project.

4. A utilisation certificate should be enclosed alongwith arrears paid statement.

5. The sanction is subject to conditions as detailed in Annexure-I attached with this Ministry's sanction letter of even number dated 2.3.1985 and the O.M.NO. 4/9/88-RE dated 12.9.88 and 4.11.88.

DRAFT

Dear....

I understand you had a interesting discussions at the developing alternatives on 14.2.89. Dr. P.D. Bhatnagar who attended the Group meeting, has given some very interesting material which is very relevant to the discussions you had aboutthe 8th Plan and sustainable Development.

Dr. Bhatnagar has also developed a project for a model for sustainable development and a set of instructions have applied for World Bank Fellowship to further develop this model. A write up regarding thismodel consisting (a) planning aspects, (b) educational aspects, (c) environmental and field aspects, (d) philosophically and sociological aspects, (e) economic and marketing aspects, (f) scientific and technical aspect (g) the administration of appropriate and relevant input and (g) productive management of outputs. I hope theywill receive the attention the deserve.

Yours sincerely,

(M.S. Swaminathan)

To  
Chairman,  
World Resource Institute  
and Members of the Governing Body.

ANNEXURE III

The wasteland belonging to an educational institution has been obtained and a set of experts has been identified and motivated to provide educational and technical inputs. A Bank has been involved to support this integrated system of projects, the Rajasthan Financial Corporation, Rajasthan Agro Industries and the district administration has been supporting the concept of implementing this wide spectrum of integrated projects with a 'rural industrial complex' and a marketing system.

Indira Gandhi Open University have agreed to support the environment 'biased', 'oriented' and 'based' courses, which are synthesized from a system of credits pooled together. ~~with~~ These credits are selected by the working-cum-learning students under the guidance of the experts and are <sup>to be</sup> pooled together under the aegis of the Open University. The output of this system is <sup>ecologically and</sup> economically viable development ~~and~~ <sup>with a supporting</sup> educational system which will lead to self-employment. A important aspect of this system is that it will regenerate the inputs in terms of money, seeds, plants manœuvres etc. and reinforce the sub-systems as well as recycle <sup>the inputs</sup> to ~~g~~ create new development <sup>nuclei</sup> ~~engage~~ at other sites.

The efforts to take the best technology to the poorest of the poor, developed <sup>up</sup> a chain process of regenerating and recycling inputs supported by a similar education system and a new ~~based~~ <sup>have been undertaken</sup> basis for planning models on such sustainable development, ~~processes is enclosed.~~ // ~~we~~ <sup>It provides</sup> ~~intend to include it is for~~ the 8th plan as a pilot project, combining the various urgent needs such as: // (a) Providing productive employment, <sup>(a)</sup> regeneration and recycling of inputs vis-a-vis setting up of a chain process of sustainable development; (b) providing a model of alternate/complementary education system which provides relevant and appropriate educational inputs as 'investment' to 97% of the people in a typical developing country like India, // (c) providing productive working-cum-learning situations leading to self employment, (d) providing a model <sup>f</sup> of gross root level development ~~plan~~ based on environment regeneration, utilising the non-conventional source of energy, wastelands and the unemployed manpower.

*draft*

DRAFT

Dear Dr. Tolba,

I am enclosing a copy of the brochure brought out with ~~the~~ encouragement from the Regional office of the United Nations Environment Programme, Bangkok.

The salient features of this unique case study are summarised in Annexures I and II. I <sup>feel</sup> suggest that a similar brochure comprising the next two years work and the quantitative data and analysis for sustainable development model with environmental regeneration <sup>as</sup> central themes ~~and~~ for combating the desertification, will be very useful.

There is another suggestion which has come from the Convenor (Dr. P.D. Bhatnagar; Biodata enclosed) of this programme. <sup>It is about</sup> with UNEP cards on the lines of the UNECEFF cards ~~could~~ also be brought out. These <sup>cards</sup> will be depicting the sand dunes stabilisation activities as given in these brochures, and <sup>other similar</sup> eye catching themes and slogans for saving wildlife and planting trees etc. This can be done at cheaper cost because the blocks shall be made for these brochures in any way.

A composite set of projects which are ecologically reinforcing each other has been worked out with a scheme of educational inputs at various levels, for certificate, diploma or degrees have been worked out in detail. They are given in Annexure III.

I hope the UNEP would like to extend its support to such a programme.

Yours sincerely,

(M.S. Swaminathan)

Our Chairman, Dr. M.S.Swaminathan shall like to address the members of the Consortium on ----- . It is proposed to hold it a General Body meeting (with regular as well as tele Conference modes) on February ----- and during January/February ----- .

The agenda and topices for interaction are enclosed. Those member who may not be able to be present personally, may send their ideas and comments to the Coordinator, Consortium of Indian Scientists for Sustainable Development, 13, Ber Sarai, Near I.I.T. Hostel, New Delhi. The venue and timings and date's as soon as finalised soon shall be intimated to you.

Sir,

- (1) Some letters etc are for your kind information  
(11) Mr P.V. Roe from Salford University spent 6 weeks at Pushkar Project. He was so enamoured that he has chosen to submit a project for fellowship with the World Bank.

I am one of his referees

The draft report he has prepared is for your <sup>kind</sup> presentation.  
A few words recommending him for fellowship shall be very encouraging.

I have rated him at top 5%.

Last date is 31<sup>st</sup> March

Yours faithfully

P. B. Shrivastava

21.3.89

Dear Dr. Reddy,

*Draft*

Dr. P.D. Bhatnagar (whose Bio-data is enclosed) has been keeping you apprised of the very innovative and useful effort to develop educational inputs for the gross root level people. The 'pooled credit system' concept for relevant and needed educational inputs needed for specific individuals and sites has tremendous potential to cater to the needs of 'sustainable development' at the gross root level.

Dr. Bhatnagar has been interacting with Pro-Vice Chancellor Shri B.S. Sharma, as advised by you and other Directors of various programmes as inturn, as desired by Shri Sharma. Very interesting programme has emerged for utilising and giving a field trial for the courses already prepared by the Open University, as clear from the minutes of a meeting with Director, Technical Education, as an example.

Earlier, it was felt that the Planning Board of the University will be approached for setting up a Committee for environment courses based on field activities for the gross root people. Accordingly, various target groups ranging from illeterate, adults, primary, secondary and nursery level, drop out were been identified who are engaged in ecologically sound vis-a-vis regenerative and sustainable development programmes, appropriate educational inputs required for such activities leading to self employment.

Dr. Bhatnagar informed me that because of the high expenditure and commitments already made by the University, the Planning Board has for the time being decided to stop to plan for new courses and instead consolidate the existing courses only.

- 
- **Initiated : 1967. A non profit registered society.**  
**Regd. Office: 13, Ber Sarai, New Delhi. Project Office 1, Vaishali Nagar, Ajmer (India) 305001**

: 2 :

In view of the fact that most of the field infrastructure and developmental activities are on going in the field and are duly supported by the Ministry of Environment and Forests ( in future by the Indo-US project, already approved by the Ministry), with very little inputs, realistic and needed programmes for grass root level can be evolved. They can be taken up as a 'pilot project' on a very small scale.

While the arrangements have been made to utilise the existing programmes of IGOU, a few programmes developed in this way, pooled with some more credit combinations evolved for 'environment' kshall also lead to self employment and development of the area. This small effort may provide a model with tremendous potential to be taken up for the 8th Plan where development of wastelands and utilisation of unemployed manpower are going to be the most important consideration. I am sure, you will like to give a try to this approach at the earliest convenience.

With regards,

Yours sincerely,

(M.S. Swaminathan)

Dr. Rama Reddy,  
Vice Chancellor,  
Indira Gandhi Open University,  
New Delhi.