

SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous Centre of the Ministry of Environment & Forests, Government of India)

KALAMPALAYAM P. O. COIMBATORE-641010 INDIA

Ref.No.665/24.1/1993

11 March 1993

Dr Ravisankaran
C/o Asst. Conservator of Forests
Campbell Pay
Great Nicobar

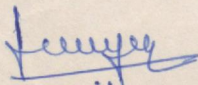
My dear Ravi

I am delighted to have your letter of 28 January 1993 which reached here on 8.3.93 and I am glad that the study is going on according to our programme. Also we have received your detailed tour programme. I would like to have a summary of the achievements made so far.

I would also like to inform you that you have been nominated as a member of the team going to Nanda Devi Biosphere Reserve for making an ecological study. Several other organizations are also represented in the team and the project is being sponsored by the Army Adventure Cell. You are required to be here, the latest by April 15, 1993. Also on 19 April, we have fixed our Internal Research Co-ordination Committee *meeting* (IRCC). Please do come and present the work you have done. Dr Lalitha had already left and she will be speaking to you over phone.

With kind regards,

Yours sincerely



Dr V S Vijayan
Director

15 April 1993

To
The Director
SACON

Through the Principal Scientist (Avian Ecology)

Dear Sir,

With reference to my participation in the joint expedition to Nanda Devi Biosphere Reserve between 1 May 1993 and 30 June 1993.

As I am expected to report at Joshimath on 24 April 1993, I request you to sanction air flight between Madras and Delhi, because with the IRC on 19 April it will not be possible for me to meet the deadline by other means.

I will require for the Expedition an advance of Rs 12500/=-, to cover expenses including airfare etc.

I enclose a tentative tour programme.

Thanking you
Yours sincerely

Ravi Sankaran

Dr Ravi Sankaran

Approved

[Signature]

Lalitha Vijayar

④ Approved as a special case as otherwise Dr. Ravi Sankaran will not be able to reach Joshimath on 24.4.93.

[Signature]
15.4.93.

Tentative Tour Programme

19 April 1993 : Departure from SACON
21 April 1993 : Departure from Madras to Delhi by Flight
and Delhi to Dehradun by Bus
22 & 23 April 1993: Dehradun with WII expedition members
24 April : Dehradun to Joshimath
24 April - 30 June: Expedition to Nandadevi Biosphere reserve
10 July 1993 : Return to SACON, Coimbatore

W.
15/4/93

SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous Centre of the Ministry of Environment & Forests, Government of India)

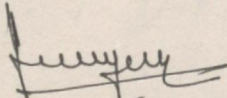
KALAMPALAYAM P.O. COIMBATORE-641 010 INDIA

29 November 1993

To Whom So Ever It May Concern

The bearer of this letter, Dr. R Sankaran, is a scientist of this institution whose specialisation is in field ornithology. His current assignment is to survey the Andaman & Nicobar Islands to assess the status of endemic avifauna; the study is wholly funded by the Ministry of Environment and Forests, Government of India. All equipment carried by him belongs to this institution and are essential for research in ornithology. He will be in the Andaman & Nicobar Islands from December 1993 to May 1994.

Any assistance given to him will be deeply appreciated.



Dr. V.S. Vijayan
Director

SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous Centre aided by the Ministry of Environment & Forests, Government of India)

KALAMPALAYAM P.O. COIMBATORE - 641 010 INDIA

Ref.No.282/24.1/1994

4 February 1994

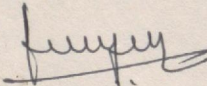
Dr Ravisankaran
C/o Asst. Conservator of Forests
Campbell Bay
Great Nicobar

My dear Ravi

Thank you for your letter of 10 January 1994 which reached here on 22 January. I am glad to know that the work is progressing as to your expectations. The project is not yet cleared by the Ministry and I was told that the meeting will be held by the end of this month. Unless the project is approved by the Ministry we cannot think of deputing any more staff for the work.

With kind regards

Yours sincerely



Dr V S Vijayan
Director

SÁLIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous Centre aided by the Ministry of Environment & Forests, Government of India)

Ref.No. 2422 / 5707/1995

15 November 1995

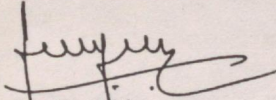
Dr. Ravi Sankaran
Scientist
SACON
Coimbatore

Dear Dr. Ravi Sankaran

Kindly find the enclosed assessment forms. Please fill this for each year separately and submit to the undersigned by 25 November 1995. You are also informed that a meeting of the Assessment Committee will be held on 4 December 1995 at SACON. You are requested to be at the head quarters on that day.

With kind regards

Yours sincerely



Dr V S Vijayan
Director

Encl:as above

KALAMPALAYAM P.O., COIMBATORE - 641 010, INDIA

Telegram : SACON Ph : 091 (422) 392273, 398232 Fax : 091 (422) 398232
e-mail (internet) : centre @ sacon, ernet. in

16/2/96
Great Nicobar

To
Dr. V.S. Ujayan
Director SACOM.

Dear Sir,

I am in receipt of your reply dated 5/2/96 which got here today. Work is progressing quite well and we have also colour marked a pair and a solitary Megapode. Hopefully these will give us some very good information.

I have sent bills etc. to the Finance Officer some weeks ago. I had hoped that you would have sent additional funds (the balance of advanced ~~asked~~ ^{money to be} asked by me and the ^{money to be} reimbursed from ATM project to Swittlet project) by the 15th of February. Unfortunately I cannot wait here longer and am leaving for Port Blair on the next available ship. Further delay will only increase the risk of rough seas during the survey. I have only about Rs 20,000/- balance and clearly this is inadequate for the survey. So please do expedite things at Coimbatore - I will be making some alternative arrangements now to tide me through the survey, or part of it atleast.

Rest all is well here.

With best wishes
Yours sincerely
Ravi Santharam.

SÁLIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous Centre aided by the Ministry of Environment & Forests, Government of India)

Ref.No.110/24.1/1996

5 February 1996

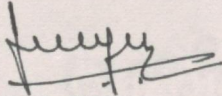
Dr Ravi Sankaran
C/o Asst. Conservator of Forests
Campbell Bay
Great Nicobar

Dear Dr Ravi Sankaran

Thank you very much for your letter of 4 January 1996 which reached here on 25 January 1996. I am glad to note that the work is going on as scheduled. We shall be sending you the amount required at the earliest on receipt of statement of expenditure.

With kind regards

Yours sincerely



Dr V S Vijayan
Director

KALAMPALAYAM P.O., COIMBATORE - 641 010, INDIA.

Telegram : SACON Ph : 091 (422) 392273, 398232 Fax : 091 (422) 398232
e-mail (Internet) : centre@sacon.ernet.in

SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous Centre aided by the Ministry of Environment & Forests, Government of India)

Ref.No: 3695/P-20/1996

09 February 1996

SPEED POST

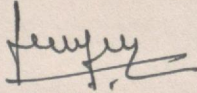
Dr. Ravi Sankaran
C/o Asst. Conservator of Forest (Wildlife)
Campellbay - 744 302
Great Nicobar
Andaman & Nicobar Islands

Dear Dr. Ravi Sankaran

Please find enclosed a Demand Draft (No. 618175 dt. 09.02.96) in your favour for Rs.27,000/- (Rupees Twenty seven thousand only) drawn on Syndicate Bank, Campell Bay towards balance of advance amount from the project "Edible-nest Swiftlet study".

I am enclosing a revised Income tax calculation sheet for the current year and accordingly, Rs.3,318/- will be deducted from your Feb'96 salary towards Income tax. The salary slips for December'95 and January'96 are also enclosed. This is for your information.

Yours sincerely



Dr V S Vijayan
Director

Encl : as above

KALAMPALAYAM P.O., COIMBATORE - 641 010, INDIA.

Telegram : SACON Ph : 091 (422) 392273, 398232 Fax : 091 (422) 398232
e-mail (Internet) : centre@sacon.ernet.in

15 October 1997

To
The Director
SACON

Through Principal Scientist (Avian Ecology)

Dear Sir,

I have completed the final report of the Edible-nest Swiftlet study in the Andaman & Nicobar islands, and am submitting a draft copy for your critical appraisal.

An amount of Rs 16,000/- has been budgeted in the project for the printing of the final report. I request you to please sanction the call for quotations to print the same.

Thanking you
Yours sincerely

Ravi Sankaran

R Sankaran
Scientist (Avian Ecology)

Statement of Expenditure as of September 1997

Heading	Budgeted	Expenditure (September 97)	Excess/ unspent
I Sanctioned budget	115,092		
II Amount received	84,000		
1. Travel & Allowances	69,080	79,812	-10,732
2. Technical Assistant	5000	4000	+1,000
3. Field assistant and incentives to local collectors for guidance	5000	4000	+1,000
4. Contingency	5000	7,721	-2,721
Total	84,080	95,533	-11,453
III Excess expenditure			11,453
IV Balance amount to be received (as per project sanction)	31,092		11,453
5. Balance of I above	80		
5. Printing of final report	16,000		
6. SACON's administration charges	15,012		
7. Excess expenditure		11,453	
Total to be received			42,545
Revised Project Budget			126,545

Notes:

- II.1 An excess expenditure of Rs 10,732 was incurred under travel & allowances, because of two field trips made to the Andaman & Nicobar islands as against only one field trip as envisaged in the proposal.
- II.2,3 As against Rs 10,000/- budgeted, an expenditure of Rs 8,000/ was incurred.
- II.4 An excess expenditure of Rs 2,721 was incurred as contingencies.
- IV.5 The final report is yet to be printed. As per the terms of agreement, this amount is to be released when the draft final report was submitted to TRAFFIC-India for comments.
- IV.6 As per the terms of agreement, SACON's administration charges @15% of the budget (= Rs 15,012) will be released on submission of the printed final report to TRAFFIC-India and an audited statement of accounts.



SÁLIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

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Ref.12\Ac\1998

19 January 1998

Dr Ravi Sankaran
Scientist, Avian Ecology

Dear Dr Ravi Sankaran

This has reference to your letter of 26 December 1997 regarding the tour advance and settlement of bills. I understand that the bills mentioned by you from 1 to 9 have already been settled and it was informed to you by the Finance Officer. The status of the bills are recalled here:

(1) Florican project

Advance paid to you	17,500
Bills submitted	8,199

Balance to be returned to the office:	9,301

(2) Andaman & Nicobar project

Advance paid to you	39,000
Bills allowed	28,111

Balance to be returned to the office:	10,889

(3) Edible nest Swiftlet project

Advance paid to you	56,000
Total expenses	64,397

Excess amount spent	8,397

2. I also note that you have requested the office to adjust the balance amount Rs. 10,889/ of Andaman project against the excess expenditure incurred under the Edible nest Swiftlet project, since you did not have enough funds under that project. However, you had not taken any prior approval from the competent authority to incur excess expenditure under Edible nest swiftlet project. You may please give your explanation, if any, for the same.

3. You have a balance of Rs. 9301/ with you from the advance given to you under Florican project. The project work was over in October 1997. You may please explain why the amount of Rs. 9,301/ was not yet returned to the office.

Kalampalayam P.O., Coimbatore - 641 010, INDIA

Telegram: SACON Ph: 091 (422) 807973, 807983 Fax: 091 (422) 807952

e-mail (internet): centre@sacon.ernet.in



SÁLIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

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4. The bills you mentioned under item 10 in your letter are yet to be reached the office.

5. Repair charges of Rs. 1650/ for your personal camera has been disallowed as it is against the rules.

6. Cycle bills for Rs. 1228/ has also been disallowed as there is no provision for the same in the budget. Moreover, this has been purchased without any prior approval of the competent authority

The advance required for you for the Andaman & Nicobar project would be released on settlement of the above advances.

Dr V S Vijayan
(Director)

cc. Principal Scientist
Avian Ecology

14 May 1999

Note

Dr M.K. Ranjitsinh, Director, WWF Tiger Conservation Programme has requested me to undertake an assessment of the efficacy of their programme at the Biligiri Rangayyan Temple Wildlife Sanctuary vide their letters dated 19 November 1999, 23 December 1998, 24 March 1999 and 5 April 1999. BRT WLS is considered to amongst the most diverse and ecologically rich habitats in the Indian subcontinent. Along with the above assessment, I intend focusing on the avifauna of the BRT WLS to both assess avian diversity and to examine the possibilities of future studies in the area. The proposed duration of the survey is for ten days from end May to early June.

Director's approval is requested for the same.

Ravi Sankaran

Forwarded to the Director for his approval of this consultancy work
[Signature]
14/5/99.

ok.

[Signature]
14-5-99

Dr M.K. Ranjitsinh, Director, WWF Tiger Conservation Programme has requested me to undertake an assessment of the efficacy of their programme at the Biligiri Rangayyan Temple Wildlife Sanctuary vide their letters dated 19 November 1999, 23 December 1998, 24 March 1999 and 5 April 1999. BRT WLS is considered to amongst the most diverse and ecologically rich habitats in the Indian subcontinent. Along with the above assessment, I intend focusing on the avifauna of the BRT WLS to both assess avian diversity and to examine the possibilities of future studies in the area. The proposed duration of the survey is for ten days from end May to early June.

Director's approval is requested for the same.

Note

14 May 1999



SÁLIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous centre aided by the Ministry of Environment & Forests, Government of India)

Anaikatty P.O., Coimbatore - 641 108. INDIA

(R) E-mail : sacon@vsnl.com

(O) E-mail : salimali@vsnl.com

Dr. V. S. Vijayan
Director

Direct : 091 (422) 857101, 857102
Office : 857103, 104, 105, 086, 096 Res : 422798
Fax : 91 (422) 857088 (O), 422798 (R)

Ref No: 589/24.15/2001

29 March 2001

Dr Ravi Sankaran
Scientist-SACON
C/o Deputy Conservator of Forests (WL)
Mayabunder
North Andamans
Andaman & Nicobar Islands
PIN : 744 204

Dear Dr Sankaran

Kindly refer to my notes dated 15 December 2000 and 26 February 2001 regarding the project on "*Identification and mapping of Lesser Florican Breeding Sites to develop a fodder producing grassland network in Western India*", copies of which are herewith enclosed. You have not acted on this till date. You may kindly give an explanation for putting up to the RMAC scheduled on 25 April 2001.

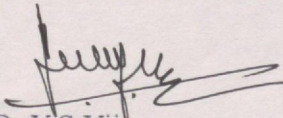
You may also please note that you have not submitted the full projects on the following, which you had submitted to the RAC at its 7th meeting in the month of March 1999:

1. Where do the Lesser Florican *Sypheotides indica* winter? A study using satellite tracking methodology.
2. A study on the ecology of the Narcondam Hornbill *Aceros narcondami*
3. A study on the social organisation of the Nicobar Megapode *Megapodius nicobariensis*

You may please give a note on why this was not done till date for placing it in the next RMAC.

With kind regards

Yours sincerely



Dr V S Vijayan

Encl: as above

Jan Sant
date
30/3/01



SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

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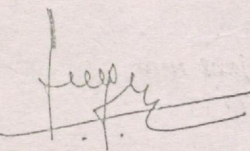
Reminder -1

Ref No: 481/24.15/2001

26 February 2001

Note

Kindly find the enclosed note dated 15 December 2000. You may kindly submit the project accordingly without any further delay.


Director

Encl: as above

To
Dr Ravi Sankaran
Scientist
Division of Avian Ecology
SACON

PTO

Anaikatty P.O., Coimbatore - 641 108. INDIA

Telegram : SACON Phone : 91 (422) 857 103, 857 104, 857 105, 857 086, 857 096 Fax : 91 (422) 857 088, 422 798
Director's office : 91 (422) 857 101, 857 102 E-mail : salimali@vsnl.com, sacon@vsnl.com



SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

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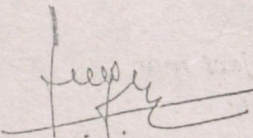
Reminder -1

Ref No: 481/24.15/2001

26 February 2001

Note

Kindly find the enclosed note dated 15 December 2000. You may kindly submit the project accordingly without any further delay.


Director

Encl: as above

To
Dr Ravi Sankaran
Scientist
Division of Avian Ecology
SACON

PTO

Anaikatty P.O., Coimbatore - 641 108. INDIA

Telegram : SACON Phone : 91 (422) 857 103, 857 104, 857 105, 857 086, 857 096 Fax : 91 (422) 857 088, 422 798
Director's office : 91 (422) 857 101, 857 102 E-mail : salimali@vsnl.com, sacon@vsnl.com

9 April 2001
Camp: Mayabunder

To
The Director
SACON
Coimbatore 641 108

Through the Principal Scientist, Avian Ecology

Dear Sir,

As requested vide circular 566/24.15/2001 dated 26 March 2001, please find enclosed the report on the project 'In-situ & ex-situ conservation of the Edible-nest Swiftlet in the Andaman & Nicobar Islands'. Please also find enclosed ~~and~~ a proposal for supplementary funding for consideration by the RMAC.

The first installment of the funds for the project was up to March 31st 2001. I discussed the release of the second installment of Rs 99,630/- with the CWLW, A & N Islands for the period from 1st April 2001 - 31st August 2001. He has said the funds will be released by the first week of June 2001, as soon their annual plan of operation is prepared, and for SACON to continue the work until then. He will be writing to you separately on his return from Delhi on the 12th of April. I therefore request you to please temporarily allocate some funds to enable me to continue the work that can be reimbursed as soon as funds are received from the Dept. of Environment & Forests, Andaman & Nicobar Islands. Please note that I have exhausted all funds available to me.

Please find enclosed a request for advance to enable me to pay the wages for the month of April 2001, other minor expenditure, and travel so that I can attend the RMAC at Coimbatore.

Thanking you
Yours sincerely

Ravi Sankaran

Dr R Sankaran
Scientist, Avian Ecology

Supplementary funding for the project In-situ & ex-situ conservation of the Edible-nest Swiftlet in the Andaman & Nicobar Islands.

Principal Investigator: R Sankaran
Budget: Rs 18,000/-
Funds sought from: SACON
Duration: 1st April -- 31st August 2001

The programme on the In-situ & ex-situ conservation of the Edible-nest Swiftlet in the Andaman & Nicobar Islands' had been initiated by SACON in December 1999, and funded by SACON and assisted by a small grant from the BNHS. The Dept. of Environment and Forests, Andaman & Nicobar Islands, is funding the second phase of the project. Fieldwork commenced in December 2000, is ongoing, and the season will end on 31st August 2001. The programme has the following objectives:

In-situ Conservation

- a) To establish protection camps so as to ensure successful breeding of Edible-nest Swiftlets at defensible sites
- b) To study the breeding chronology of the Edible-nest Swiftlet
- c) To study longevity and dispersal patterns of the Edible-nest Swiftlet by ringing adult birds and nestling.

Ex-situ Conservation

- a) To identify man-made structures where White-bellied Swiftlet breed currently
- b) To develop the technology to construct low cost structures and the methodology to attract and induce White-bellied Swiftlet to breed in them
- c) To establish new populations of Edible-nest Swiftlet in these man made structures by way of transferring their eggs into the nests of White-bellied Swiftlets

Due to budgetary constraints faced by the Dept. of Environment and Forests, A & N Islands, the fund requirements of the project had to be seriously curtailed. There is an urgent requirement for supplementary funding so as to enable the project to execute certain crucial works that have been undertaken. These are:

- a) The experimentation with various materials to identify optimal alternate breeding substrates for the White-bellied Swiftlet. The primary function of these experiments is to arrive at the knowledge required to build economically, the most 'attractive' houses for swiftlets. Two materials are being experimented with. First, bamboo mats with a thin plastering of concrete so as to simulate RCC structures, but constructed at a fraction of the cost. Second, to experiment with wood substrates to identify whether subsequent to colonization, swiftlets will breed on wood substrates, thereby increasing the 'ceiling area' of swiftlet houses. While the materials required has been procured under the existing project, the budget requirements for skilled workmen to make the substrates is grossly inadequate. Funds are therefore required for engaging skilled workers on a casual basis for a period of ten days to make these substrates.

- b) Due to limitations, only one assistant was budgeted into the project against the required two. An additional field assistant is required to assist in the monitoring of swiftlet populations and in data collection for a period of 4 months (April to July).
- c) Inadequate funds have been allocated under travel, as evidenced from the first four months of the project.
- d) Inadequate funds have been allocated under consumables, as evidenced from the four months of the project.

Budget

Casual labour	Skilled workers (2 x 10 days @ Rs 120/- per day)	2,400.00
	Unskilled workers (2 x 10 days @ Rs 80/- per day)	1,600.00
Field Assistant	@ Rs 2500/- per month for 4 months	10,000.00
Travel		3,000.00
Consumables		1,000.00
Total		18,000.00

Project: In-situ & ex-situ conservation of the Edible-nest Swiftlet in the Andaman & Nicobar Islands

Implementing agency: SACON in collaboration with Dept. of Environment & Forests, Andaman & Nicobar Islands

Principal Investigator: R Sankaran
Budget: 1,96,713/-
Funded by: Dept. of Environment & Forests, Andaman & Nicobar Islands
Duration: 1st December 2000 – 31st August 2001

In continuation of the programme on the 'In-situ & ex-situ conservation of the Edible-nest Swiftlet in the Andaman & Nicobar Islands' which had been initiated by SACON in collaboration with the Dept. of Environment and Forests, A & N Islands between December 1999 and July 2000, field work commenced on 20th December 2000. The programme has the following objectives:

In-situ Conservation

- a) To establish protection camps so as to ensure successful breeding of Edible-nest Swiftlets at defendable sites
- b) To study the breeding chronology of the Edible-nest Swiftlet
- c) To study longevity and dispersal patterns of the Edible-nest Swiftlet by ringing adult birds and nestling

Ex-situ Conservation

- a) To identify man-made structures where White-bellied Swiftlet breed currently
- b) To develop the technology to construct low cost structures and the methodology to attract and induce White-bellied Swiftlet to breed in them
- c) To establish new populations of Edible-nest Swiftlet in these man made structures by way of transferring their eggs into the nests of White-bellied Swiftlets

The first field station / protection camp was established on 1st January 2001 at the cave that had been protected at Interview Island in the previous season, and a second protection camp / field station was established at a new site, Chalis Ek. Pathi Level, North Andaman Island. The former is a site where one cave is present with a population of about 185-200 breeding pairs, and the latter is a complex of over 26 caves with a population of between 400 – 500 breeding pairs. The populations have been censused by both counting the nests, as well as by counting the number of birds which to roost in a particular cave. There has been a decline by about 17-20% of the population at the cave on Interview island since the last breeding season, indicative of older birds having died and the young fledged last year not having commenced nesting yet.

About 150 birds, representing at least 40% of the adult population of swiftlets at the Interview Cave were ringed using mist nets placed at the mouth of the cave before dawn so as to capture birds leaving the night roost. It was decided not to ring adults this year at the caves at Chalis Ek.

Egg laying commenced on 25th February at Chalis Ek, and by the end of March most nests had eggs, and some had chicks. Egg laying commenced on Interview Island on the 16th of March, over two weeks later than the previous year. Reasons for this are not known. The White-bellied Swiftlet house at Tugapur was monitored and the nests were manipulated to synchronize with and aid the transfer of eggs into the nests of White-bellied Swiftlet. On the 27th of March 36 eggs were collected from two caves from Chalis Ek and planted in 31 nests of the White-bellied Swiftlet (5 nests with 2 eggs each and 31 nests with 1 egg each). On the 31st of March, 14 more eggs were collected from two other caves at Chalis Ek and transplanted into seven nests of the White-bellied Swiftlet at Tugapur. Repeat egg laying commenced at the caves from which eggs had been collected by the 6th of April. It is proposed to collect 70 eggs from the cave on Interview and transplant 50 into the house at Tugapur and 20 into the house at Bakultala on the 18th of April.

18 April 2001
Camp: Mayabunder

To
The Director
SACON
Coimbatore 641108

Through the Principal Scientist, Avian Ecology

Dear Sir,

This has reference to your letter 589/24.15/2001, dated 29/03/2001, received on 17 April 2001, wherein you have asked me to furnish a note for placement before the RMAC at their next meeting on the following projects.

1. Identification and mapping of Lesser Florican Breeding sites to develop a fodder producing grassland network in western India.

This programme was to have been done in collaboration with the Gujarat Institute of Desert Ecology (GUIDE), Bhuj, Kutch. The rationale of choice of organisation was based on the existence of an excellent and functional GIS facility at GUIDE, and to advance local expertise on grassland conservation; this was subsequently ratified by the RMAC meet of December 2000. While I would have done the ground survey, the processing of satellite imageries, and the preparation of maps was to have been done by GUIDE, with whom some of the images needed are already present. An understanding on the implementation of the programme, and initial work, has already been arrived at with the concerned scientists at GUIDE. However, subsequent to the damage inflicted by the earthquake, GUIDE has temporarily relocated itself to Vadodara, and will take some time to reorganize itself. Under the circumstances, it will not be possible to process the satellite imageries and prepare the maps this year. The mapping portion of the proposed study will probably be taken up only in 2002. Thus, for the financial year 2001-2002, the funds that are required for this project should be reduced to exclude the purchase of satellite imageries.

I have been unable to prepare a proposal for submission to the MoEF as asked, as I have been in the Andaman and Nicobar Islands since mid December 2000, executing an externally funded project on the Edible-nest Swiftlet. I have not had access to the relevant literature or proposal formats required for the preparation of the proposal since then. However, considering that the Lesser Florican is SACON's logo, I submit that the work that we have been doing since 1994 should be continued, and that money should be allocated from SACON research contingency fund so that the conservation of this critically endangered species is furthered by us.

7th June 2001

To
The Director
Salim Ali Centre for Ornithology & Natural History
Coimbatore

From
Dr R Sankaran
Scientist, Division of Avian Ecology

Dear Sir,

I returned from Port Blair yesterday to attend the RMAC and ARS. The following oversights in the agenda notes for the same was pointed out to me, which I wish to bring to your notice.

1. Action taken on project proposals to be developed by me:

Vide your letter dated 29 March 2001 (Annexure 1), you asked me to furnish a note on the project proposals to have been developed by me for placement at the RMAC. I had submitted a detailed note on the same vide my letter dated 18 April (Annexure 2), along with the progress report on the swiftlet project.

While the progress report has been included in the agenda notes placed before the RMAC, my note on the above has not been incorporated.

2. New proposals:

A project proposal for supplementary funding (Annexure 3), had also been submitted with the above. This too has not been placed before the RMAC for consideration for funding.

3. Previous proposals:

In their last meeting, the RMAC had agreed to internally fund the Lesser Florican conservation project. This too has not been placed before the RMAC for consideration. You will agree that considering that the Lesser Florican is critically endangered, and is SACON's logo, we must take a lead in furthering its conservation.

I trust that you will incorporate my notes and provide me with adequate funding to continue with these important bird research and conservation programmes.

Thanking you
Yours sincerely

Ravi Sankaran

R Sankaran

Advance copy to: Chairman, RMAC
Encl. A/a

20 December 2001

To
The Director
SACON

Through Principal Scientist, Avian Ecology

Dear Sir,

While implementing the in-situ and ex-situ conservation programme for the Edible-nest Swiftlet in the Andaman and Nicobar Island, I am away from the head office for approximately six months. During this period I am based at Mayabunder, Middle Andaman, where I am unable to undertake any data analysis and writing work due to a lack of computer facilities and therefore greatly impairs my research activity.

I am currently engaged in the analysis and writing of three papers on the Nicobar Megapode and the Bengal Florican which will take about three months to complete. In addition to which I have ideas and concepts which I would like to develop. The provision of a computer at Mayabunder will enable me to be productive in the writing while continuing with the field work for which I will be in the Andamans.

I therefore request you to permit me to take the PC which has all the relevant data and drafts, and which has been allocated to me at SACON, so as to enable me to write while in the field.

The PC will be stationed within the campus of the DCF Wildlife II, and will be brought back by me to Coimbatore at the conclusion of the breeding season in July 2002.

Submitted to the Director for approval.

Thanking you
Yours sincerely

Dr R. Sankaran
Scientist, Avian Ecology

12 August 2002

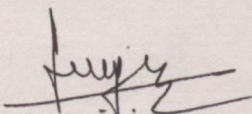
Note

To:

Dr Ravi Sankaran, Senior Scientist
Division of Avian Ecology
SACON

This has reference to your letter dated 6 August 2002 requesting financial support for the project entitled " Identification and mapping of Lesser Florican Breeding Sites to develop a fodder producing grassland network in Western India". In this connection, you may please note the following:

1. The project was approved by the RMAC at its 9th meeting held on 7 December 2000. The RMAC decided that the project should be submitted to NNRMS for funding. It was also decided that in case, funds are not received before 1 July 2001, SACON may provide funds for supporting the project.
2. However, you fail to submit the project in time and in July 2001, you made a request for funds without following the instructions of the RMAC and GC. As I made it very clear that unless you submit the project for funding, the required amount for initiating the work could not be released. You may note that the RMAC had taken a decision that after getting the approval of the RMAC for the concept of the project, if the full proposal was not prepared within two months, the same shall be considered as dropped.
3. You submitted the full project proposal for funding only after 7 months of the approval of the RMAC. However, on wider interest of research, I accepted the same and released Rs. 31,185/- for the project work.
4. Subsequently, there was no reminder or request from you for any funds for the year 2002-2003.
5. Therefore, your project could not be considered at the 11th RMAC.
6. However, considering the gap in the data that would be created in the absence of field work during this year, I am taking the responsibility and approving Rs. 45,000/- for the field work. However, this should not be considered as a precedent.
7. You may submit a detailed tour programame and also the tour report within 15 days of your return from the tour.
8. You may keep the expenditure to the minimum.

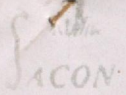

Director

cc: Head, Division of Avian Ecology
Finance officer.

*CWW
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30/11
IASI/W*

SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous centre aided by the Ministry of Environment & Forests, Government of India)



FAX

Dr V S Vijayan
Director

No: 2182/102/2002

30 December 2002

Dr Ravi Sankaran
Deo Chief Wildlife Warden
Office of the Chief Wildlife Warden
Andaman and Nicobar Islands
Haldia, Port Blair

Dear Dr Ravi Sankaran

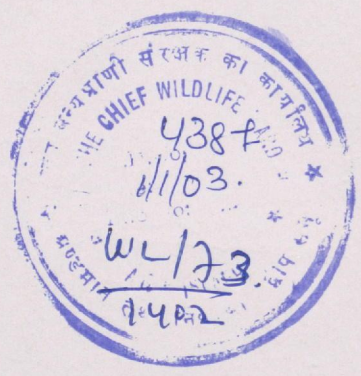
Kindly send the approval of the Competent Authority to the project "In-Situ & Ex-situ Conservation of the Edible-nest Swiftlet in the Andaman and Nicobar Islands" immediately for releasing the advance requested by you vide your letter dated 23 December 2002.

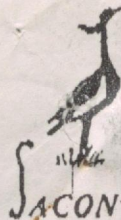
This may be treated as most urgent.

With regards

Yours sincerely

+ *dr*
w
V S Vijayan





SALIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous centre aided by the Ministry of Environment & Forests, Government of India)

Dr V S Vijayan
Director

FAX

Ref No: 2182/102/2002

30 December 2002

Dr Ravi Sankaran
C/o Chief Wildlife Warden
Office of the Chief Wildlife Warden
Andaman and Nicobar Islands
Haddo, Port Blair

Dear Dr Ravi Sankaran

Kindly send the approval of the Competent Authority to the project "In-Situ & Ex-situ Conservation of the Edible-nest Swiftlet in the Andaman and Nicobar Islands" immediately for releasing the advance requested by you vide your letter dated 23 December 2002.

This may be treated as most urgent.

With regards

Yours sincerely

V S Vijayan
V S Vijayan

25th February 2003

To
The Director
SACON

Through Sr. Principal Scientist, Avian Ecology

Reg: Junior Research Fellow for Swiftlet Project

Dear Sir,

I am pleased to inform you that the project 'In-situ & ex-situ conservation of the Edible-nest Swiftlet in the Andaman & Nicobar Island —Phase II' has been sanctioned by the Department of Environment and Forests, Andaman & Nicobar Islands. The total sanctioned amount is Rs 10 lacs for a period of three years and copies of the office order and budget is enclosed for your reference.

In this phase of the project, provision has been made for a research scholar, and I request you to please approve the placement of advertisement for call for interview of suitable candidates in employment news and also its circulation to relevant institutions. A copy of the advertisement is enclosed for your perusal.

Submitted to the Director for approval.

Thanking you
Yours sincerely

Ravi Sankaran

Dr R Sankaran
Sr. Scientist, Avian Ecology

Salim Ali Centre for Ornithology & Natural History (SACON)

Requires one Junior Research Fellow to work on a three year project on the 'In-situ and Ex-situ conservation of the Edible-nest Swiftlet *Collocalia fuciphaga* in the Andaman & Nicobar Islands'.

The candidate must have a post graduate degree in Zoology / Wildlife Biology / Ecology or Life Sciences with at least 55% marks. Research experience on wildlife, ability to speak Hindi and an ability to climb rocks are desirable. A desire to work for extended periods in field conditions for wildlife conservation is essential. Age below 26 years. Fellowship: Rs 5000/ pm in the first 2 years and Rs 5600/ pm subsequently, with other benefits as per Govt. of India rules. The selected candidate will be encouraged to do their Ph. D as part of the project subject to satisfactory performance.

Application on plain paper in the following format should reach the Director, Salim Ali Centre for Ornithology and Natural History, Anaikatty P.O., Coimbatore 641 108 within 20 days of publication of this advertisement. (1) Name and nationality, (2) Permanent and correspondence address, (3) Date of birth and age as on 28.2.2003, (4) Educational qualifications with copies of relevant documents, (5) Details of relevant experience, (6) List of publications, and (7) One page write-up on the candidate's research interests and academic ambition. SACON reserves the right to select candidates for interview based on academic qualifications, experience and age. The selected candidate will be expected to commence work immediately after selection.

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24362813
Asim Srivastava

18 March 2003

To
The Director
SACON
Coimbatore

Dear Sir,

This has reference to my letter dated 10th March 2003, and your note approving the same, a copy of which is enclosed for your ready reference. A committee comprising the Deputy Conservator of Forests, Wildlife II, Mayabunder, and the Panchayat President, Mayabunder, and the Principal Investigator of the Swiftlet project will be formed to decide and finalise on where and who will receive the swiftlet houses. I suggest that this committee may oversee the purchase of materials for the swiftlet houses as well.

Submitted to the Director for approval.

Thanking you
Yours sincerely

Ravi Sankaran

Dr R Sankaran
Sr Scientist, Avian Ecology

Approved.
[Signature]
18/3/2003

10 March 2003

To
The Director
SACON

Through: Sr. Principal Scientist, Avian Ecology

Reg: Building of swiftlet houses in the project: In-situ and ex-situ conservation of the Edible-nest Swiftlet *Collocalia fuciphaga* in the Andaman & Nicobar islands.

Dear Sir,

A component of the Ex-situ conservation aspect of the above mentioned project is to develop prototypes of low cost structures in which White-bellied Swiftlets and subsequently Edible-nest swiftlets will be induced to breed, around Mayabunder in Middle Andaman Islands. As per the project target, three such prototypes were to be built within the financial year ending March 2003, and for which a budgetary allocation for Rs 1,35,600/- has been made and sanctioned by the Department of Environment & Forest, Andaman & Nicobar Islands.

In order to build three prototypes of Swiftlet houses, the following material are required at Mayabunder.

Item	Approx unit rate	Amount
1. 66 bags of cement (22 bags per house for 3 houses)	Rs 250/- per bag	Rs 16,500/- ✓
2. Sand and stone	Rs 1,500/- per house	Rs 4,500/- ✓
3. Angle iron guniya	Rs 2,500/- per house	Rs 7,500/- ✓
4. Sawn timber 1 m ³ per house	Rs 13,500/- per m ³	Rs 40,500/- ✓
5. Light roofing 60 sheets per house	Rs 95/ per sheet	Rs 17,100/- ✓
6. Aluminium sheet for Mugri	Rs 2,000 per house	Rs 6,000/- ✓
7. Nuts, bolts and nails	Rs 2,000/- per house	Rs 6,000/- ✓
	Total	Rs 98,100/- ✓

Since these materials are to be purchased at Mayabunder, Middle Andamans for implementation in Mayabunder, and to be finalized before the close of this financial year, it will not be possible for me to conform to the purchase procedure of referring the quotations to SACON purchase committee. Hence, your permission is requested to enable me to purchase these items on lowest quotation basis, and to incur the expenditure at Mayabunder, thus making it possible for me to achieve the project targets.

Submitted to the Director for approval.

Thanking you
Yours sincerely

Ravi Sankaran

Dr R Sankaran
Sr Scientist
Avian Ecology

10/3/03

Po
P. Sankaran
10/3

Examined the note.
The Sr. Scientist also discussed his matter with the undersigned. For out-station purchases, the quotations shall be obtained and the same would be forwarded to the Centre for further processing and approval. However, in the present case, the provision of Rs. 1,35,600/- had to be utilised before 31.3.2003,

asked to get quotations in laybinder for all items costing more than Rs. 1,000/- and go for the lowest. However, after the purchase he may be asked to send the entire file related to the purchase to us, for post facto approval.

2. Although the sanction letter is received, the money has not reached us. If the release is going to be delayed, and obviously the amount/budget provision need to be carried over to 2003-04, the Scientist can send the quotations to Comptroller and get the approval, before purchase in the event of construction in the next fin. year.

Submitted to the Director for approval please.

Jayashree
18.3.2003.

The Scientist may be permitted to obtain the quotations (minimum three for each item) and finalise the purchase. He may constitute a purchase committee comprising two members from Forest Dept. of A & N. The members shall be minimum in the rank of D/o. Subsequently the files may be sent to H.Q. for post facto approval.

Jay
18/3/2003.



SÁLIM ALI CENTRE FOR ORNITHOLOGY AND NATURAL HISTORY

(An autonomous centre aided by the Ministry of Environment & Forests, Government of India)

Anaikatty P.O., Coimbatore - 641 108. INDIA

E-mail : salimali@vsnl.com Website : www.saconindia.org

Dr. V.S. Vijayan
Director

Direct : 091 (422) 265 7101, 265 7102
Office : 265 7103, 104, 105, 086, 096 Res : 242 2798
Fax : 91 (422) 265 7088 (O), 242 2798 (R)

Ref No:985 /10.5/2003

15 May 2003

Mr Manchi Shrish S
Plot No. 198, Sr. No. 43/3A
Sanjay Gandhi Society
Somnath Nagar
Vadgaonsherri
Pune - 411 041

Dear Sir

Further to the interview you had with us on 15 May 2003 at SACON, we are pleased to offer you the position of Junior Research Fellow in the project "*In-situ and Ex-situ Conservation of the Edible-nest Swiftlet Collocalia fuciphaga in the Andaman and Nicobar Islands*" with the following terms and conditions:

1. You will be paid a fellowship of Rs. 5000/- + HRA (as admissible)
2. Your appointment will be co-terminus with the project in which you are appointed subject to Point No. 7 mentioned below.
3. You will be governed by the rules and regulations of the research projects of SACON.
4. You are required to work under the guidance and instructions of Dr Ravi Sankaran, Senior Scientist (Principal Investigator of the Project), Division of Avian Ecology.
5. You should produce the original certificates in respect of your educational qualifications and age for verification at the time of joining.
6. The data collected by you in the project will be the sole property of SACON.
7. The appointing authority may terminate you from the services of the project before expiry of the same without assigning any reason, without notice and without payment of salary in lieu thereof.



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Anaikatty P.O., Coimbatore - 641 108. INDIA

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Dr. V.S. Vijayan
Director

Direct : 091 (422) 265 7101, 265 7102
Office : 265 7103, 104, 105, 086, 096 Res : 242 2798
Fax : 91 (422) 265 7088 (O), 242 2798 (R)

8. Any research papers originated from the project should get the concurrence of the In -charge before they are sent for publication.
9. This offer of fellowship does not confer upon you any right or claim for future employment in SACON.

In case the offer of fellowship is acceptable to you on the terms and conditions mentioned above, you may intimate your acceptance immediately, and report yourself for duty to Dr Ravi Sankaran, Senior Scientist, SACON on or before 22 May 2003 at SACON, Coimbatore. You may please note that you are not entitled to any travelling/ conveyance allowance for reporting at SACON, Coimbatore for duty.

Thanking you

Yours faithfully

V S Vijayan

Copy to:

1. Dr Lalitha Vijayan, Senior Principal Scientist, Division of Avian Ecology
2. Dr Ravi Sankaran, Senior Scientist, Division of Avian Ecology
3. Senior Finance Officer
4. Library

Urgent - 27/12/05

1902
20/12/05
bv

(20)

Dr. Ravi Shankar

No 1/2/2005-EI
Ministry of Environment and Forests
EI Division

Reminder - I
Most Immediate

Dated:: 09-12-2005

OFFICE MEMORANDUM

Sub:- Material to be provided in the prescribed format for Annual Report 2005-06 - Regarding

Reference is kindly drawn to this Division's OM of even no dated 26-08-2005 wherein requests were made to all the Divisional Heads to direct the concerned officers to provide the necessary information pertaining to their Divisions in the prescribed format for inclusion in the Annual Report of this Ministry for the year 2005-06, by 30th November, 2005. EI Division has not received any material from your Division so far.

All Divisional heads are therefore again requested to send the material concerning their Division in the prescribed format for inclusion in the Annual Report (2005-06) latest by **23-12-2005** positively since the Report has to be submitted to the Parliament and to the Standing Committee related to this Ministry by third week of February, 2006 as communicated by the Ministry of Parliamentary affairs.

This may please be accorded "TOP PRIORITY".

(SUDHIR MITAL)

Joint Secretary to the Government of India

Copy to:-

JS (DDV) (except Animal Welfare)

JS (RKV) (except NRCD)

JS(VU) / JS(CM) / JS(SKJ) / JS (FA) / IG(FC) / Chief Engineer (CCU)

Adv(MS) / Adv(GKP) / Adv(AK) / Adv(SKS) / Adv(CT) / Adv (RE&EE)

Dir(Ozone Cell) / Dir(PT) / DIG (WL) // DIG (SU) / DIG(FP)

All the Scientists are requested to submit a short report of the progress/achievements during 2005-06 on or before 5th January 2006

24/12/05

भारतीय वन सर्वेक्षण

पर्यावरण एवं वन मंत्रालय

कौलागढ़ रोड, पी०ओ०-आई०पी०ई०

देहरादून-248195

No. 22-89/2005-NFDMC

भारत सरकार
Government of India**Forest Survey of India**

Ministry of Environment & Forests

Kaulagarh Road, P.O.-IPE

Dehradun-248195

Dated December 6, 2005

To

The Director
Saiim Ali Centre for Ornithology and Natural History (SACON)
Anaikatty
Coimbatore-641 108 (Tamilnadu)

Sub: Offer of deep water, shallow water and on-land blocks for exploration under VI round of New Exploration Licensing Policy (NELP - VI)- regarding.

Madam,

Kind reference is invited to your letter No.2689/122.1/2005 dated 16.09.2005 through which you have provided the details of eco-sensitive areas in connection with the exploratory blocks under NELP - V.

Now, the Director General of Forests & Special Secretary, Government of India, Ministry of Environment & Forests, New Delhi vide his D.O. No.J-11013/60/2005-I.A.II (I) dated 30.11.2005 (copy enclosed) has forwarded the details of 35 exploration blocks under the VI round of New Exploration Licensing Policy (NELP - VI) to identify and demarcate the eco-sensitive areas which should be excluded from the proposed exploratory blocks while signing the production sharing contracts.

It is requested that necessary information on eco-sensitive areas may kindly be provided to this organisation. An early action is requested as the matter is urgent and the report needs to be submitted within a fortnight.

Yours faithfully,

Encl: As above

Dr. D. Pandey
(Dr. D. Pandey)
Director*copy to Dr. A. Raj & Dr. Sankaranarayanan for immediate action.**6/12/05**Dr. R. V. Janan*



J. C. KALA

वन महानिदेशक एवं विशेष सचिव

भारत सरकार

पर्यावरण एवं वन मंत्रालय

DIRECTOR GENERAL OF FORESTS & SPECIAL SECRETARY
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT & FORESTS

J.D.(N)
On priority
please -

D.O.No.J-11013/60/2005-I.A.II (I)

Dated 30th November, 2005.

Dear Dr Pandey

भारतीय वन सर्वेक्षण विभाग
Forest Survey of India
कौलागढ़ रोड / Dehra Dun
दिनांक / Date 5/12/05

Subject: Offer of deep water, shallow water and on-land blocks for exploration under VIth round of New Exploration Licensing Policy (NELP-VI) - By Ministry of Petroleum and Natural Gas - regarding.

The Ministry of Petroleum and Natural Gas has proposed to award 35 (thirty five) exploration blocks under the VIth round of New Exploration Licensing Policy (NELP-VI). The particulars of these blocks on map and their coordinates have been forwarded (copy enclosed) to this Ministry by MOP and NG seeking necessary clearances of this Ministry so that Ministry of Petroleum and Natural Gas would sign the production sharing contract (PSC) by January 2006.

Earlier vide our D.O. letter No.J-11011/33/1990-IA.II (I) dated 1st September, 2005, we have communicated the broad policy guidelines evolved by this Ministry to identify the areas with their coordinates which should be excluded from the proposed exploration blocks by Ministry of Petroleum and Natural Gas while signing the production sharing contract for blocks to be awarded under NELP-V and requested FSI for demarcating the eco-sensitive areas in consultation with Wildlife Institute of India, SACON and respective State Chief Wildlife Wardens.

A similar exercise is to be undertaken by FSI for the enclosed exploration blocks along with their coordinates under NELP-VI. I would therefore, request you to take over this work on top most priority so that the Ministry could give an appropriate response to the Ministry of Petroleum and Natural Gas by December 2005.

with best wishes

Encl: As above

Yours sincerely,

(J.C. Kala)

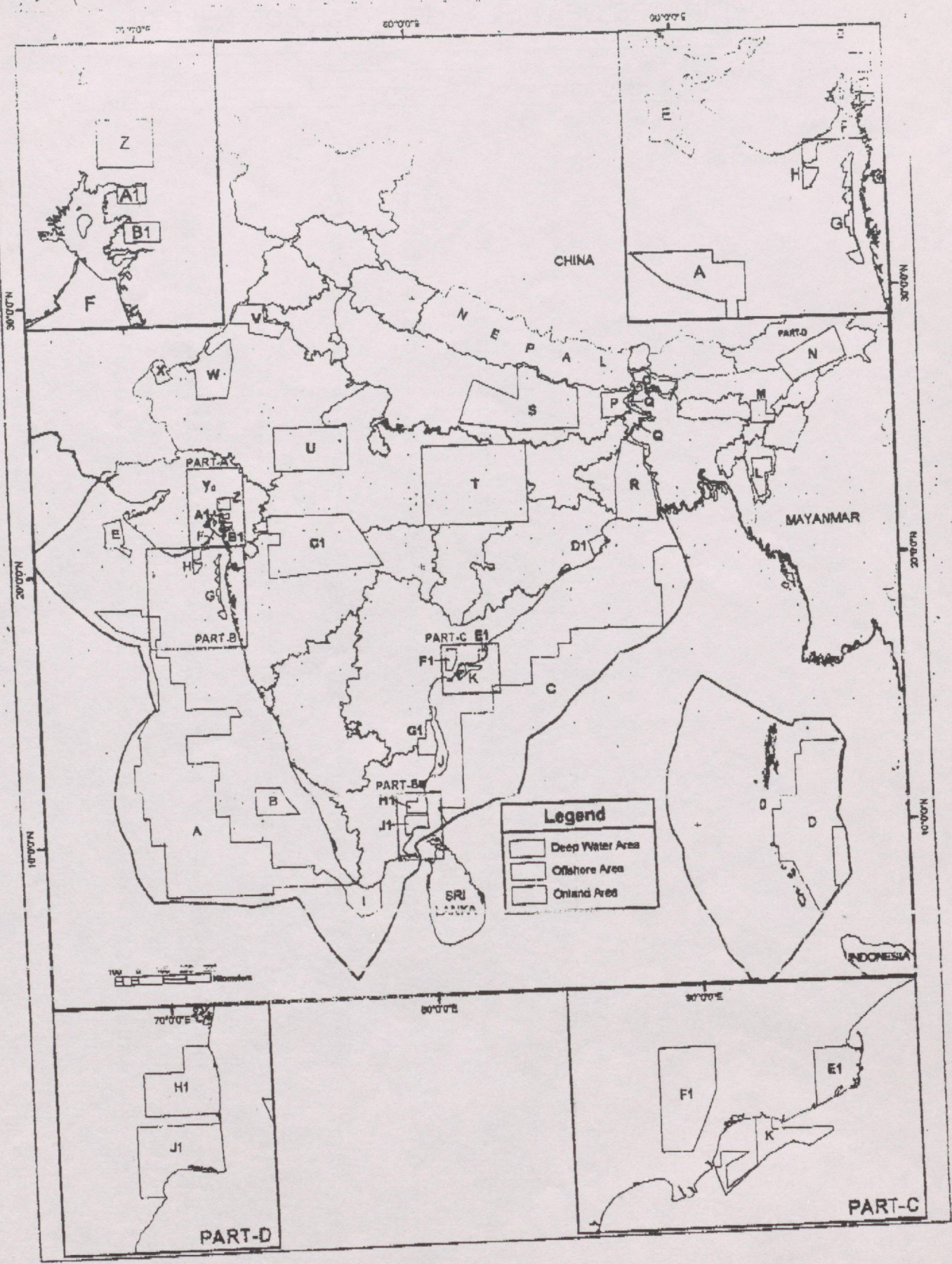
Shri Devender Pandey,
Director,
Forest Survey of India,
Kaulagarh Road,
Dehradun - 248 195.



जहाँ है हरियाली /
तहाँ है खुशहाली //

पर्यावरण भवन, सी.जी.ओ. कॉम्प्लेक्स, लोधी रोड, नई दिल्ली-110 003 फोन : 24361509, फैक्स : (011) 24363957
PARYAVARAN BHAWAN, C.G.O. COMPLEX, LOCHI ROAD, NEW DELHI-110003 TEL : 91-11-24361509 FAX : 91-11-24363957 E-mail : dgfindia@nic.in

MAP OF OCEAN FISHING ZONES



CO-ORDINATES OF THE LARGE AREAS FOR NEMP-VI

Sl. No.	State/Offshore	Ref. No. on Map	Coordinates					
			Longitude			Latitude		
			Pt.	Deg.	Min.	Sec.	Deg.	Min.

DEEP WATER

1	Western Offshore	A	1	74	0	0	8	15	0
			2	76	33	0	8	15	0
			3	76	19	22	8	31	22
			4	75	60	55	8	49	32
			5	75	39	37	8	39	5
			6	75	30	49	8	48	31
			7	75	33	17.33	9	0	0
			8	74	0	0	9	0	0
			9	74	0	0	10	0	0
			10	73	30	0	10	0	0
			11	72	30	0	10	0	0
			12	72	30	0	11	0	0
			13	72	0	0	11	0	0
			14	72	0	0	12	0	0
			15	72	0	0	12	0	0
			16	72	0	0	12	20	0
			17	72	10	0	12	20	0
			18	72	10	0	13	0	0
			19	71	0	0	13	0	0
			20	71	0	0	14	0	0
			21	72	40	0	14	0	0
			22	72	40	0	14	40	0
			23	73	5	36	14	40	0
			24	72	55	50	15	0	0
			25	71	0	0	15	0	0
			26	71	0	0	16	0	0
			27	70	30	0	16	0	0
			28	70	30	0	17	0	0
			29	70	0	0	17	0	0
			30	70	0	0	17	40	0
			31	70	10	0	17	40	0
			32	70	10	0	18	30	0
			33	69	30	0	18	30	0
			34	69	30	0	18	45	0
			35	69	15	0	18	45	0
			36	67	45	0	18	45	0
			37	68	30	0	18	5	0
			38	69	35	0	17	40	0
			39	69	45	0	17	40	0
			40	69	45	0	17	0	0
			41	70	0	0	16	0	0
			42	70	0	0	15	0	0
			43	69	45	0	16	0	0
			44	69	10	0	14	0	0
			45	69	15	0	14	0	0
			46	69	15	0	13	0	0
			47	69	0	0	13	0	0
			48	69	0	0	12	0	0
			49	69	15	00	12	00	00
			50	69	15	00	11	00	00
			51	69	30	0	11	0	0
			52	69	30	00	10	00	00
			53	70	0	0	10	0	0
			54	70	00	00	09	00	00
			55	70	00	00	08	00	00
			56	72	00	00	08	00	00
			57	74	0	0	8	0	0
1	74	0	0	8	15	0			
2		B	A	73	30	0	11	0	0
			B	75	5	30	11	0	0
			C	74	41	45	11	29	43
			D	74	23	32	12	0	0

3 Easton Offshore

E	73	30	0	12	0	0
A	73	30	0	11	0	0
1	80	33	01	10	26	05
2	80	22	53	10	45	40
3	20	16	44	11	00	32
4	80	17	36	11	00	00
5	81	00	00	11	00	00
6	81	15	00	11	00	00
7	81	15	00	11	15	00
8	81	15	00	12	00	00
9	81	15	00	13	00	00
10	81	15	00	14	15	00
11	81	15	00	14	30	00
12	82	00	00	14	30	00
13	82	30	00	14	30	00
14	82	30	00	15	30	00
15	83	00	00	15	30	00
16	84	00	00	15	30	00
17	84	00	00	15	30	00
18	84	30	00	16	30	00
19	85	00	00	17	00	00
20	85	00	00	17	00	00
21	85	30	00	17	30	00
22	85	30	00	17	30	00
23	86	30	00	17	30	00
24	87	30	00	17	30	00
25	89	0	0	18	00	00
26	88	45	9	19	00	00
27	88	45	09	20	14	52
28	88	5	10.83	20	26	51.14
29	89	43	30.00	20	29	2.86
30	89	33	01.	10	26	05

4 Andaman Offshore

A	95	36	0	13	0	0
B	94	0	0	13	0	0
C	94	0	0	12	30	0
D	93	45	0	12	30	0
E	93	45	0	11	30	0
F	93	45	0	11	0	0
G	93	10	0	11	0	0
H	93	10	0	10	30	0
I	92	50	0	10	30	0
J	92	50	0	9	5	0
K	93	0	0	9	5	0
L	93	0	0	8	30	0
M	93	30	0	8	30	0
N	94	30	0	6	30	0
O	95	5	0	7	15	0
P	95	14	40.18	7	30	0
Q	95	5	0	7	30	0
R	95	5	0	9	45	0
S	95	29	6.13	9	45	0
T	95	15	0	10	13	0
U	95	15	47	10	26	58
V	95	18	25	10	36	0
W	95	21	6	10	38	11
X	95	22	30	10	52	0
Y	95	22	35	10	50	0
Z	95	30	0	11	33	0
Z1	95	38	47	12	53	30
A	95	36	00	13	00	00

CO-ORDINATES OF THE LARGE AREAS FOR NELP-VI

Sl. No.	State/Offshore	Ref. No. on Map	Coordinates						
			Longitude			Latitude			
			Pt.	Deg.	Min.	Sec.	Deg.	Min.	Sec.
1	SHALLOW OFFSHORE SAURASHTRA	E	A3	68	10	50	21	59	0
			E3	68	15	19	21	48	15
			D3	68	15	45	21	9	33
			G3	68	10	54	21	9	33
			G	68	17	50	21	4	50
			F	68	39	50	21	4	50
			L	68	7	50	20	43	45
			X	68	13	50	20	57	17
			Y	68	47	50	21	9	46
			Z	68	57	32	21	13	30
			A	68	50	25	22	11	55
			L	68	10	45	22	1	5
			A3	68	10	50	21	59	0
2	CAMBAY OFF.	F	A	72	37	54	21	28	0
			B	72	30	0	21	28	0
			C	72	18	21	21	37	51
			D	72	16	21	21	30	0
			E	72	5	13	21	15	24
			F	72	7	30	21	11	30
			G	71	45	0	21	0	0
			H	72	45	0	21	0	0
			I	72	38	3	21	21	12
			A	72	37	54	21	28	0
3	MUMBAI OFF.-1	G	E	72	41	0	18	22	0
			B1	72	32	30.6	18	22	0
			C2	72	27	15	18	27	12
			C1	72	24	30	18	28	30
			D1	72	21	5	18	38	30
			E	72	35	50	18	39	23
			F	72	29	38	18	58	22
			G	72	25	42	18	57	13
			G1	72	25	42	19	1	4.2
			G2	72	24	43.8	19	1	4.2
			J	72	24	43.8	19	9	42.6
			J1	72	20	18.6	19	9	42.6
			J2	72	20	18.6	19	23	41.64
			J3	72	24	41.52	19	23	41.64
			J4	72	24	41.52	19	31	6.16
			K	72	28	10	19	31	4
			L	72	28	10	19	40	0
			M	72	21	44	19	40	0
			N	72	21	44	19	45	8
			O	72	17	48	19	45	8
			O1	72	17	32.28	19	46	57.3
			O2	72	28	50.7	19	58	17.07
			O3	72	28	50.7	20	0	0
			O4	72	18	27.66	19	59	33.84
			O5	72	25	36.9	20	19	20.82
			O6	72	20	18.42	20	19	14.28
O7	72	20	18.42	20	25	25.98			
O8	72	17	32.28	20	25	25.98			
P	72	17	48	20	28	50			
Q	72	26	48	20	37	30			
R	72	27	4.72	20	39	0			
S	72	27	58.65	20	42	21.94			
T	72	33	29	20	42	21.94			
B	72	30	0	20	30	0			
C	72	30	0	19	0	0			
D1	72	41	0	18	27	0			
E	72	41	0	18	22	0			
4	MUMBAI OFF.-2	H	W	71	30	0	20	55	0

X	71	45	0	21	0	0
C	72	5	15	21	0	0
D	72	5	35	20	57	44.4
D1	71	58	22.8	20	56	59.4
D2	71	58	9.18	20	54	30
D3	71	49	57.94	20	54	59.94
D4	71	47	18.42	20	49	30
D5	71	47	18.42	20	35	30
D6	71	41	59.94	20	35	36.48
D7	71	41	50.94	20	32	36.48
D8	71	31	50.76	20	32	44.28
D9	71	31	50.76	20	26	44.28
D10	71	34	36.9	20	26	59.94
D11	71	34	36.9	20	24	59.94
D12	71	49	9.18	20	24	59.94
D13	71	48	55.2	20	19	0
K1	71	39	0	20	5	43.02
K2	71	40	16.14	20	2	43.02
K3	71	34	36.9	20	2	0
K4	71	34	36.9	20	0	0
V	71	30	0	20	0	0
W	71	30	0	20	55	0

5 KERALA-KONKAN

A	77	07	53	08	15	49
B	78	33	43	08	14	27
C	75	40	10	08	00	00
D	75	43	10	07	33	52
E	77	00	00	07	15	00
F	77	12	21	07	02	40
G	77	30	29	07	02	31
H	77	46	31	07	12	55
I	78	00	00	07	18	43
J	78	00	00	08	20	45

(Coastline A to J)

6 PALAR

A	79	58	44.484	12	12	37.301
B	80	1	7.86	12	12	37.3
C	80	21	19.715	12	12	40.865
D	80	37	44.5	12	30	0
E	80	43	42	13	0	0
F	80	43	15	13	5	27
G	80	37	40	13	15	49
H	80	30	25	13	44	35
I	80	28	25	13	59	10
J	80	24	14	13	58	54
K	80	22	34	14	11	33
L	80	19	56	14	14	52
M	80	16	32	14	18	47
N	80	20	6	14	31	39
O	80	20	21	14	40	59
P	80	19	2	14	43	35
Q	80	15	0	14	44	18
R	80	05	35	14	49	38

(Coastline R to A)

7 KRISHNA-GODAVARI

G	81	36	0	16	3	8
L	81	47	36.00	16	9	9
K	81	55	27.00	16	8	39
J	82	7	0	16	13	24
A	82	7	0	16	15	15
B	81	37	50.00	16	15	15
C	81	37	50.00	16	20	16
P	81	30	0	16	21	9
V	81	30	0	15	58	25.96
U	81	15	0	15	47	18
T	81	15	0	15	58	26
S	81	26	41.90	18	4	40
R	81	15	0	18	4	40
LL	81	15	0	16	5	1.2
JJ	81	12	49.35	16	5	1.34
MM	81	12	49.21	15	58	0.31
A	81	9	35.23	15	58	0.48
G	81	13	57.44	15	44	8.66
G	81	36	0	18	3	0

CO-ORDINATES OF THE LARGE AREAS FOR NELP-VI

Sl. No.	State/Offshore	Ref. No. on Map	Coordinates							
			Pt.	Longitude			Latitude			
				Deg.	Min.	Sec.	Deg.	Min.	Sec.	
ONLAND BLOCKS										
1	Assam-Arakan-(Pt-A)	L	A	92	32	54.85	23	40	0	
			B	92	35	58	23	0	0	
			C	92	29	49	23	0	0	
			D	92	44	20	22	12	16	
			E	92	4	7	22	18	11	
			F	93	4	4	23	5	15	
			G	93	1	4	23	8	47	
			H	93	16	30	23	40	0	
			I	93	16	50	23	40	0	
			J	93	15	0	23	40	0	
			K	93	15	0	23	40	0	
			L	92	32	54.85	23	40	0	
2	Assam-Arakan-(Pt-B)	M	A	92	35	0	25	49	0	
			B	93	11	0	25	49	0	
			C	93	9	0	25	17	0	
			D	93	9	0	25	17	0	
			E	93	29	0	24	58	0	
			F	93	27	0	24	58	0	
			G	92	35	0	24	58	0	
			H	92	35	0	25	49	0	
3	UPPER-ASSAM	N	A	93	35	0	27	20	0	
			B	95	50	0	28	30	0	
			C	96	15	0	27	23	0	
			D	94	10	0	26	30	0	
			E	93	35	0	27	20	0	
4	PURNEA_(Pt-A)	O	A	89	31	43	26	9	11	
			B	89	36	49	26	19	27	
			C	89	43	6	26	19	20	
			D	89	49	30	26	37	50	
			E	89	4	12	26	44	19	
			F	88	49	47	26	53	47	
			G	88	38	33	27	8	6	
			H	88	11	24	27	0	0	
			I	88	16	30	26	41	4	
			J	88	27	36	26	40	4	
			K	88	48	18	26	22	42	
			L	88	55	48	26	30	18	
			M	88	8	6	26	26	29	
			N	89	8	33	26	10	17	
			A	89	15	43	26	9	11	
			B	89	31	43	26	9	11	
5	PURNEA_(Pt-B)	P	A	88	15	16.09	26	19	33.8	
			B	87	00	00	26	16	54	
			C	87	00	00	25	20	21	
			D	87	46	10.86	25	24	18.13	
(A to D follows Inter-State Boundary between Bihar & W.B.)										
6	PURNEA_(Pt-C)	Q	A	87	48	15.39	24	30	38.4	
			B	87	52	7	24	29	1	
			C	88	8	23	24	58	10	
			D	88	23	15	25	3	24	
			E	88	22	29	25	16	7	
			F	88	51	29	25	16	9	
			G	88	40	42	25	24	50	
			H	88	28	40	25	27	46	

	I	88	3	2.41	25	39	13.6	
	J	87	59	59.99	25	43	1.66	
	K	88	0	0	26	3	20	
	L	88	19	36	26	19	43	
	M	88	15	16.09	26	19	33.8	
	A	87	48	15.39	24	30	38.4	
7 West Bengal	R	A	87	48	14	24	30	39
		B	87	52	07	24	29	01
		C	88	30	00	24	13	00
		D	88	30	00	23	34	03
		E	88	38	36	23	21	35
		F	88	39	48	23	10	25
		G	88	50	20	23	10	25
		H	88	47	20	23	5	25
		I	88	50	36	22	41	55
		J	88	56	39	22	07	50
		K	88	58	26	21	29	10
		L	87	56	35	21	33	45
		M	87	55	24	21	28	05
		N	87	29	03	21	36	31
		O	87	24	0	21	36	5
		P	87	24	0	22	41	55
		Q	87	24	00	23	21	35
		R	87	35	24	24	03	14
		S	87	41	0	24	30	0
		A	87	48	14	24	30	39
8 GANGA-VALLEY	S	A	81	35	0	25	21	0
		B	83	50	30	24	59	33
		C	86	5	0	24	59	33
		D	86	5	0	28	30	0
		E	85	56	20	26	31	50
		F	85	41	15	26	35	35
		G	85	39	25	26	48	20
		H	85	16	20	26	40	55
		I	84	38	10	27	0	0
		J	84	37	35	27	13	50
		K	84	6	40	27	23	55
		L	83	52	45	27	18	30
		M	83	52	0	26	10	0
		N	82	12	0	26	56	0
		A	81	35	0	25	21	0
9 GONDWANA	T	A	80	10	0	24	30	0
		B	84	5	0	24	30	0
		C	84	5	0	21	35	0
		D	80	10	0	21	35	0
		A	80	10	0	24	30	0
10 VINDHYAN	U	A	74	40	0	25	20	0
		B	77	25	0	25	20	0
		C	77	25	0	23	45	0
		D	74	40	0	23	45	0
		A	74	40	0	25	20	0
11 RAJASTHAN_(Pt-A)	V	A	73	55	0	28	56	39.2
		B	73	55	0	29	16	0
		C	73	11	30	29	16	0
		N	73	32	0	29	56	30
		O	74	26	40	29	56	10
		P	74	27	50	29	20	30
		Q	75	19	15	29	8	40
		L	75	0	0	28	42	25

		A	73	55	0	26	56	39.2	
12	RAJASTHAN_(Pt-B)	W	B	71	49	30	27	38	30
			C	71	50	25	26	29	45
			D	73	0	0	26	29	45
			E	73	17	0	28	0	0
			H	73	11	10	28	39	20
			G	73	10	25	28	44	55
			TS	72	22	40	28	8	10
			T1	72	14	35	28	16	50
			U	72	24	32	28	35	24
			AC	72	19	25	28	40	29
			AB	72	26	1	28	45	29
			AA	72	24	38	28	46	45
			V4	71	55	12	28	7	0
			L	72	0	9	28	2	57
			C	71	57	9	27	56	12
			B	71	43	39	27	49	33
			K	71	39	27	27	49	33
			V1	71	37	30	27	51	21
			L	71	14	24	27	49	10
			M	71	16	12	27	47	26
			N	71	21	13	27	49	38
			O	71	34	33	27	34	54
			I	71	36	45	27	32	0
			B	71	49	30	27	35	30
13	RAJASTHAN_(Pt-C)	X	A	70	10	0	27	39	30
			B	70	20	0	27	26	30
			C	70	23	25	27	5	25
			D	70	30	36	27	8	6
			E	70	59	18	27	18	28
			F	70	52	48	27	25	24
			G	70	44	24	27	33	30
			H	70	48	0	27	36	45
			I	70	48	58	27	35	48
			J	70	56	49	27	39	11
			K	70	53	12	27	42	9
			L	70	13	52	27	54	11
			M	70	16	12	27	47	54
			N	70	10	0	27	39	30
			(Pt. K to L international boundary)						
14	CAMBAY BASIN_(Pt-A)	Y	A	72	19	0	23	20	0
			B	72	26	0	23	20	0
			C	72	26	0	23	10	0
			D	72	19	0	23	10	0
			A	72	19	0	23	20	0
15	CAMBAY BASIN_(Pt-B)	Z	A	72	30	0	22	50	0
			B	73	0	0	22	50	0
			C	73	0	0	22	25	0
			D	72	30	0	22	25	0
			A	72	30	0	22	50	0
16	CAMBAY BASIN_(Pt-C)	A1	A	72	40	0	22	15	0
			B	72	55	0	22	15	0
			C	72	55	0	22	6	0
			D	72	40	0	22	6	0
			A	72	40	0	22	15	0
17	CAMBAY BASIN_(Pt-D)	B1	A	72	43	0	21	56	0
			B	73	2	0	21	56	0
			C	73	2	0	21	45	0

		D	72	43	0	21	45	0	
		A	72	43	0	21	56	0	
18	Uttar Pradesh & Maharashtra	C1	A	77	21	30	22	5	39
			B	74	17	51	22	5	49
			C	74	18	22.25	21	25	0
			D	74	45	0	21	25	0
			E	74	45	0	21	0	0
			F	74	18	41.38	21	0	0
			G	74	19	39	19	44	44
			H	78	34	50	20	6	35
			A	77	21	30	22	5	39
19	Orisa	D1	A	86	51	45	21	1	35
			B	86	17	10	20	46	10
			C	86	29	15	20	8	5
			D	86	34	55	20	14	0
			E	86	42	55	20	17	40
			F	86	44	25	20	29	25
			G	86	58	10	20	40	15
			H	86	55	5	20	47	55
			I	86	57	55	20	49	25
			A	86	51	45	21	1	35
20	KRISHNA-GODAVARI_(Pt-A)	E1	A	82	15	55.48	16	52	32.96
			B	81	59	0	16	52	0
			C	81	59	37.81	16	24	47.41
			(Pt. C to A follow coastline)						
21	KRISHNA-GODAVARI_(Pt-B)	F1	A	81	12	0	16	55	0
			B	81	12	0	16	35	0
			C	81	0	0	16	6	0
			D	80	45	0	16	6	0
			E	80	45	0	16	55	0
			A	81	12	0	16	55	0
22	PALAR	G1	A	80	8	20	14	16	20
			B	79	55	15	14	16	20
			C	79	53	45	13	36	48
			D	79	36	25	13	36	0
			E	79	34	52	12	59	30
			F	80	16	24	12	59	30
23	CAUVERY_(Pt-A)	H1	A	79	45	39.79	11	33	17.48
			B	79	30	0	11	33	17.48
			C	79	30	0	11	18	0
			D	79	5	0	11	18	0
			E	79	5	0	10	52	0
			F	79	50	7.85	10	52	25.38
			(Pt. F to A follow coastline)						
24	CAUVERY_(Pt-B)	J1	A	79	51	2.6	10	46	24.77
			B	79	0	0	10	46	0
			C	79	0	0	10	3	0
			D	79	15	3.74	10	3	20.62
			(Pt. D to follow coastline)						