



UNIVERSITY OF SOUTH CAROLINA

COLUMBIA, S. C. 29208

Jan. 24, '88.

DEPARTMENT OF GEOLOGY

Dear Kusala,

Thank you very much for your recent letters. Regarding your questions:

i. The application packet is being sent to you separately.

You will need to send your (notarized) transcripts and two or three letters of recommendation. (You may (or may not) want to use Dr. Iyer.) These normally delay the process as referees tend to be slow. So pl. make sure that your referees are prompt. Most of our evaluations of applications take place in Feb-March., so it is imperative that your package is as complete as possible. Pl. take the TOEFL asap. It is a must. We may be able to waive the GRE.

Perhaps you can have your referee (one is enough) comment on your command of English - both spoken + written. All our Ph.D. applicants identify the area they plan to work in + are in touch with a faculty member. You are ok on that count. Many of our applicants write a one or two page note describing their experience + goals for future studies, i.e. what excites them about coming to South Carolina - academically. In your write up you can also mention about your journalism + research

experience. Enclose copies of your reprints.
 Make sure that the typing etc is first class & not
 look sloppy -- first impression etc.

ii. I have not received the package w/ Rajendran's
 material. I will pass it on to Bob Thunnel on receipt.
 There is no harm in Rajendran's communicating directly
 w/ Thunnel, but if you want to wait - I will give you
 any feedback I get from Thunnel. I do not know
 if Bob has funds in his current grants to support
 Rajendran or will need to write a new ^{research} proposal.
 That is something - (area of research) that Rajendran
 & Thunnel will need to work out. Remember the
process of getting research funds is slow - so it
should be started at the earliest. One thing (I do
 not know if it is feasible) is for Rajendran to
 suggest an area of work - which can be done because
 of facilities in Thunnel's lab or access or cores or
 whatever, but where Rajendran's experience &
 expertise will be of great value. Remember a Post-doc
 is not a grad student - & here Post-docs are
 expected to generate ideas - & make for cross pollination
 w/ other labs. (This is my rambling - based on generalities
 & not particulars). In any case these two needs
get in touch w/ each other.

iii Due to complete absence of movement from/in DST office
 in Delhi, I do not think I can make a trip to India in
 March. The next time period for me is after my
 semester finishes - last week of April. I will probably
 go to a NATO conference on intraplate earth quakes
 & processes in Denmark, May 9-13.

Re. my letter to DST re. the stress map, it was discussed in the ~~Sept~~^{NOV} 87 meeting of the Indo-US Commission. Essentially they said we have this letter from P.T. -- "has written a draft outline on the subject and has indicated an interest in developing a full-fledged proposal with suitable Indian counterpart". So I guess now I need to write to DST. Lets see.

- iv. I would like for you to be involved in a few research projects - one or more of which could be a part of your Ph.D thesis. These include - mechanism of RIS. - in particular the role of the RATE of change of lake level in triggering RIS. How does it effect the magnitude of the energy release. Understanding the mechanism of intraplate earthquakes is another subject that I see myself being involved in the next few years. I have found several characteristic features - + now I am in the process of evaluating various models. I will like for you to get into the rock mechanics + fracture mechanics end of things to apply to models for RIS + for intraplate eqs. (I will discuss in detail w/a piece of paper + pencil). A third subject - obvious - is understanding the seismotectonics of India in light of the new stress map of India. Is the whole field homogeneous or are there discrete stress provinces - why - + how do they effect the tectonics. You will need to know all literature pertaining to tectonics of India + adjacent areas.

These are but a few ideas that immediately come to mind. You are free to come up w/ your own ideas.

- v. As far as getting ready for graduate school after a lapse of a few years (mention this in your "goals" & the exp i.e.) it would perhaps be useful to go over your notes from M.Sc. I think the folks at Roorkee did do a good job. You might want read papers on the topics mentioned above, specially the tectonics of India. - I will need all the help!
- vi. Yes, going back to grad school after working & becoming established in India is quite a switch. I did it - after working six years - but in your case the transition will not be too hard as you are already engaged in research. I am confident that you will have no problems in adjusting.
- viii While I do not see any serious problems in your getting admitted & an assistantship in the fall semester (8/88) or possibly in summer if you should choose & other things (primarily grant funds) fall into place, the date of starting of Rajendran's post doc. will depend on Bob Thurnel*. Ideally you can all come here together, but you should perhaps be prepared for sometime alone here. (I do not know your thoughts on the subject - but it is a possibility you need to consider). Of course, once you are here we will look after you!

* I will do my best to help.

I hope I have answered all your questions. I have fired my last secretary & not hired a new one yet - hence this scribble.

Pl. write soon & let me know if you have any questions or if I can be of any help. (I'll send a ~~check~~ ^{check} w/ your application package)

all the best
Pradip Talwar



THE UNIVERSITY OF SOUTH CAROLINA
COLUMBIA CAMPUS

Department of Geological Sciences

Columbia, SC 29208

August 20, 1993

Dear Kusala, CP and Appu,

It was good talking to you on the phone the other day. Right now we are in the process of finalizing the report for F-142 (I will send a copy to CP). We could not locate the original photos. CP do you know where they are?

Kusala, your paper came out in GRL and I am enclosing a couple of copies of the same. Congrats! It looks good. I am also sending the last issues of EOS, a copy of a paper on RIS that I got from China and a copy of the review of Harsh's book. Give you some food for thought.

Hopefully you all have settled down and are writing project proposals. Kusala, I think getting data and working on the Idipi (sp?) project is a good idea. If I see any new and interesting papers I will send them to you. I sent the letter of recommendation to Dr. Maheshwari, hopefully you will get the job. Please keep me posted about the progress on that front. CP, have you written the proposal comparing New Madrid and Kutch earthquakes? I have not heard from Geology yet.

Here we are getting ready for school. I plan to have a seminar on Neotectonics of the South Carolina coastal plain. We will discuss the various research papers that you all are already familiar with. It is to get the new students initiated.

According to my reckoning you owe about \$501 plus interest on your Citibank card. Your balance in the Nation's bank is \$937+ (Enclosed is a copy of the accounts). If there are no major surprises, I will pay the balance of your Citibank card next month.

Do keep in touch.

With best wishes to y'all.

Sincerely
Porter

P.S. Heard from Kuwaiti w.w.
She was out for 2-3 months
due to a car wreck. She is
interested in your doing phase
& will fax you something.
Good luck.

Dr. Pradeep Talwani

803-777-6610

Hi Pradeep,

I got your package yesterday. Thanks. You have not send me the copy of the recommendation letter. I need one to file along with the application. Please make necessary modifications in the letter you wrote to Dr. Maheswari and send it to me (to whom it may concern format). I am not sure when I will have to file the application. It is better to have everything ready. I am requesting Tom also to write one. Please give the later part of the message to him. I am doing all this adjustment because, we are practicing science here on our own expense. It is getting too expensive.

On other matters, I talked to Dr. Harsh Gupta yesterday and he says you have not written to him about your plans to go to the Science Congress. The dead line for the papers/ abstracts was August 16. He said he has already finalized the programs for the session he is convening. On serious thinking, it looks difficult for me to make it to the Congress. I may have to spend about Rs 15,000 (two way ticket, registration, lodging boarding etc.). I cannot cover that kind of expenses through my own resources. It doesn't look promising. Please pass the rest of the message to Tom.

May be you can ask Lynn to collect the letter from Tom and mail both to me by Express mail. Thanks a lot, Kusala

Hi Tom,

I have written a long letter to you yesterday. I have tried to send you a message through a friend in a sister organization. I don't know if it reached you. At that place I have no access to the machine, someone else is supposed to type it for me. So I won't mess around with it. In my letter I have requested you to make a recommendation letter for me, for filing with my application at Cochin University of Science and Technology. I am afraid the letter may reach you very late. Hence this quick message. As I have suggested in my message to Pradeep, you can give the letter to Lynn and may be she can put both in one envelope and express mail it to me. Here, the time between the ad and the last date may be very short. That is why I am rushing you both like this. Hopefully, all this will work and I may get a position at the University, which will make all these efforts worthwhile. I got copies of the GRL paper which Pradeep mailed. It looks nice. I wish I was there to share the excitement.

CP wants to ask a favor from you. Remember the abstract you mailed to Dr. R.H. Sibson? He got some fax message conveying that it has reached, but he needs a formal letter of acceptance (this is for initiating his paper work to generate money). Would you mind sending request to Dr. Sibson for a letter(because it was e-mailed, we are concerned that he may send only an electronic acceptance). CP will write to him but this may be faster. How are things with you? Write back.

Thanks a lot, KUSALA

Fax # 91 471 43720

00 803 777 66 60

FAX-TELEX
5.40
RECD. TIME: 27/8/93
DATE: 5.45
SENT. TIME: 27/8/93
DATE: 27/8/93
TAURUS DATA SA. K.