

Dear Naba and Prof. Murthy,

I went through chapter 7, "Cost and Time Schedules".
In first look at the chapter I have few minor suggestions:

Page 117:
In the paragraph

"It should be noted that the underground cavern is going to be an underground facility for"

should be changed as:

"It should be noted that the underground cavern is going to be a national facility for"

Otherwise underground comes twice in the sentence which does not look nice. By making the 2nd underground "national" in one sentence it becomes clear that it is a national underground facility.

Page 117:
Site: The actual costs depend on nature of rock,...

should be changed to

The actual cost depends on the nature of rock, ...

Page 117:

At bottom of the page:

The figures given here are based on the budgetary estimates given by L & T Limited

In the above line
budgetary should be changed to budget and
estimates should be changed to estimate
After the word Limited there should be a full stop.

End of page 118 to Page 119:
However, based on the physics needs and the goals outlined in the chapter on Physics Issues 3, the final detector mass may go up to 100 ktons in the target mass.

I think one should remove the word "in target mass" at the end of this line. The above line may be changed to:

However, based on the physics needs and the goals outlined in the chapter 3, Physics Issues, the final detector mass may go up to 100 Ktons.

Page 120:

In the section Time Scale would you like to give dates based on the assumption that the project gets approved by end of 2005?

Then Phase I should be finished by Dec 2006 to June 2007.
Phase II should be finished by
Oct 2008 to April 2009 for PUSHEP and
May 2009 to Nov 2009 for RAMMAM
Phase III should be finished by
October 2009 to October 2010 for PUSHEP and
May 2010 to May 2011 for RAMMAM.

Would you like to say that we expect to collect data by middle of 2010 or is it like falling into wrong trap?

Page 118:

In the table 7.1, there should be a line separating Cost (Rs in crores) and PUSHEP Rammam. Otherwise for people who are not familiar with PUSHEP and Rammam it can get confusing.

In table 7.1 again, have we broken down the cost for various items under
2. Civil work survice and underground (here survice should be surface)
3. Facilities in the cavern

Otherwise we write five point under 2, and four points under 3, but we don't give separate costs. If we have it then we should list them within small bracket so that people will understand that 35 crores are sum of these breakup or 20 crores is sum of these breakups.

Page 119:

The same logic as above applies for table 7.2.

The number 490 crores for PUSHEP should be 495 crores.

One other suggestion:

Should we somewhere give a conversion for Rupees to other currency, especially US Dollar, Euro and Yen? One can say 1 crores is 10 millions because no one outside Indian subcontinent will understand crores and then write

1 USD = INR 44
1 EURO = INR 57
100 Yen = INR 41

Or have one more column in table where these numbers are given in either USD or Euro, with an approximate conversion rate on the bottom.

I will read it again tonight and if I have further suggestion I will let you know.

Thanks and Regards,
Brajesh.