1. After installation of KONHA KOSIS over collector what is elevation of the frame and winch? 2600mm over collector is enough? **Our bridge is 2611 mm over flange. It is maximum value.**

2. bnpp suggests bringing a mock up outside the reactor building and holding training class outside the reactor building in another building. Do you need the mockup to be in the reactor building in elevation +21m or not before or during inspection? **BNPP idea is OK. Please insist that before removing mock up they have to decontaminate mock up to extent possible. We need mock up only for SAT and training. During inspection we do not need mock up at all, so we think it is better to stay in another building where SAT and training will be performed.**

3. You told me that each trainee of bnpp shall have his own laptop during training. Can they use 4 laptops which I bought for the contract for training? or are these 4 laptops are busy for your work and you need them during training as well? **No we do not need your laptops. We will use our own. We we install all needed software on your computers and they will be used for training, and after that for work. Software we will install in your company before we come in NPP.**

4. As Mr Ghazi and I told you before, please hold 13 days training. bnpp wants to add 2 days more for data analysis(item 5). Please correct the training program accordingly? **OK I will.**

5. Please send me procedures and norms of assessment for defects. If it is not final, give me revision 0 of these documents later you can give me revision 1 or 2.. **For data analysis please note the following:**

**All personnel which will do data analysis have to have adequate Level of education. According to ISO (ISO is now the same as European Norm) and American norms three levels of education and certification exists:**

**1. Level I  is doing data acquisition**

**2. Level II is doing data analysis but in accordance with written procedure writen by Level III**

**3. Level III is doing data resolution on Level II inspection results, writing working procedures an teaching both Level I and Level II personnel.**

**My question is how it is in Iran? Do you have such Levels in your country in accordance with your own regulative, or you have ISO certificates or Russian certificates or something other. I do not believe that you have ASME (ASNT) certificates (for example in India and Pakistan they use ASME) but I have to ask.**

**So, to get Level II and Level III certificates you already have to know how to find various defects. For example on Level II exam you have to find about 100 different indication on different kind of steam generator tubes but also on various heat exchanger tubes. Without that knowledge you will not get Level II certificates.**

**For data analysis we have working procedure or procedure(s) but it is written for someone who already have Level II and already knows data analysis very well. Working procedures are not written for someone which does not know nothing and want to get simple cookbook. Be aware of that.**

**Important note: Bushehr NPP personnel which will participate in training have to have adequate degrees before they come on training. Please send me their certificates and the books from which were learning for particular level. This will help me to adjust the content of training.**

**So, what I can do? First I have to say that I wrote all eddy current procedures for all Tianwan NPP VVER NPP, for Kudankulam NPP, for Novovoronezh NPP, Leningradska NPP, Belarus NPP, Kurskaya NPP, Akuuya NPP. Basically all these procedures are the same. The Russian procedure is my procedure adopted to GOST rules about the procedure form. I always wrote procedures in accordance with  American praxis. Because in those procedures are used two types of eddy current instruments some instructions are different regarding commands used, but it has no impact on data analysis or better say to recognition of different defect or anomality's on tubes..**

**In respect of previous I will do the following:**

**1. Send you valid "Russian procedure" for Novovoronezh NPP for data acquisition and data analysis for bobbin, rotating and array probe. This procedure we will follow during our inspection. Why procedure is for Novovoronezh? Because they have the same instrument, and because they are using 8x2 array probe for collector ligaments.**

**2. Send you some high quality books where eddy current signals are discussed.**

**Best regards,**

**B. Nadinic**