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HEC Status at JINR. December 2000.

1. Plates production restarted at the end of November.
Plans: 2 sets before the end of year, 8 sets next year.

2. Plates delivery to MPI	**2 sets – end of Jan. 01**
	2 sets – July 01
3. Modules delivery to CERN	**2 mod.- end of March**

4. Plates Production at MZOR plant in Minsk.

1. Rough Surface machining started almost in time (middle of October)
   More than half of plates were machined. The main delay was due to the fact that plate bends are out the tolerance limits. People lost lot of time working with press.
2. Quality of final facing was tested in parallel. It was found rather good.
3. Planned start (15.10) of the plates production has been delayed by 3 weeks mainly by 2 reasons:
   a) machine for the boundary cut was out of order
   b) auxiliary equipment were not ready in time

   Now boundary cuts (and 7 tie rod holes) are done for the several plates.
   Precise measurements have been done to test the accuracy of machining.
   Results were satisfactory.
   Main problem is temperature in a workshop (10 degrees higher than outside air)
   No heating. Very precise devices (1um) were used for the accuracy tests.
   Nevertheless the **temperature monitoring and the season program tuning are required.**
4. Three machines are in use:
   a) machine for the facing
   b) machine for the boundary cut
   c) machine for the holes

   For a moment we assume that after the first set experience MZOR will be able to produce 1 plate/shift (8 hours) and may be even more later.

Conclusion:

We need to send our engineer for the final quality check in 2 weeks from now but we are sure that:

Quality will not be worse (hopefully better) than we have in Dubna.

Our proposal: We order 16-19 sets of plates at MZOR. Agreement should be signed this year.