

Work Progress in Bologna

- Material Procurement
- Tools Status
- Schedule for Protvino Production
- Pre-Production in Bologna

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CMS Week: September 27th 2000

Material Procurement

Tapes:

Result of tendering procedure approved by INFN on September 18th.

⇒ Order for new material this year.

Outstanding Order completed: Tapes to Protvino (\simeq 19000 cathodes), Bologna (\simeq 7000 cathodes) and Torino.

I-beams:

Contract is ready for signature, price has increased to 15.36 DM/Kg (from 14.7) blamed on raw material cost increase.

⇒ Order for new material this year.

Outstanding Order completed:

Where	ϕSL	MB3 θ	MB2 θ	MB1 θ
Protvino	16200		357	2200
Bologna	2440	2100	2040	

Status of I-beam Tools in Bologna 27/09/2000:

Second XY-Plotter:

⇒ Operational

40 I-beam Dish:

D2 for :

2490mm (MB2), 3010mm (MB3), 2368mm (ϕ SL)

Shipped to outside firm for machining

⇒ Operational end of November

HV contact bars:

One unit ready.

All components ready, HV connectors needed, being assembled.

⇒ 5 sets ready end of October

Disconnect boxes:

One prototype ready.

⇒ Operational as soon as HV connectors arrive

Scenario for Start-up in Protvino 27/09/2000

All equipment arrived at Protvino on July 21st without damage.

XY-plotter, I-beam cutting and de-burring machines operational.

Lab space and the following items are still not ready:

- racks to hold I-beams during wash/rinse cycle,
- drying area for I-beams,
- HV voltage test system (tank, contact bars, cables).

Drawings for all items (M. Guerzoni) completed and agreed with Protvino people on September 16th.

Goal is to start production by end of November.

Cathode Production 27/09/2000

The first cathode pre-production gives:

- **Aachen:** 1 MB1 , 1 θ SL
- **Legnaro:** 3 θ SL
- **Madrid:** 2 MB2 , 4 θ SL

In Bologna we have:

2440 ϕ , 2100 MB3 θ SL , 2040 MB2 θ SL

⇒ Chamber Production limited by ϕ cathodes
1MB1, 1MB2, 2MB3

until first Protvino Production at end of February with:

⇒ 3 MB1 θ SL,

⇒ 3 (MB1 + MB2 + MB3) ϕ = 4400 cathodes.

We will start production of ϕ cathodes as needed and then continue with θ MB2, MB3

⇒ Production plateau at 120 cathodes/day