

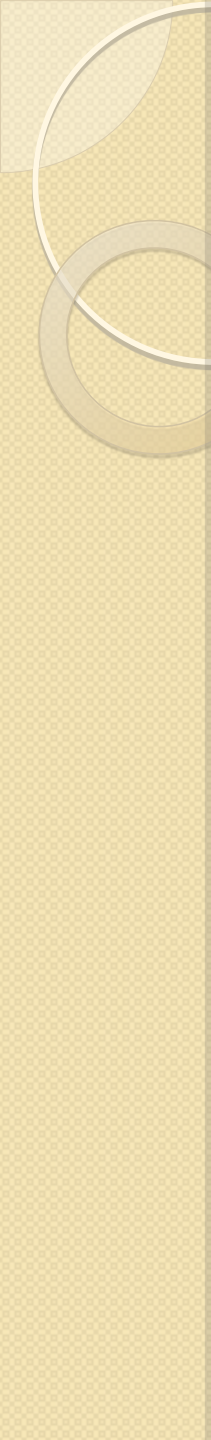
# GEM production plan and status at Bose Institute

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Bose Institute, Kolkata



16 February 2018, CBM-India meeting, Falta



**At Bose Institute, we are  
planning to build about 50% of  
required GEM chamber for CBM  
Muon Chamber (MuCh)**

# Shyamnagar Campus, Bose Institute



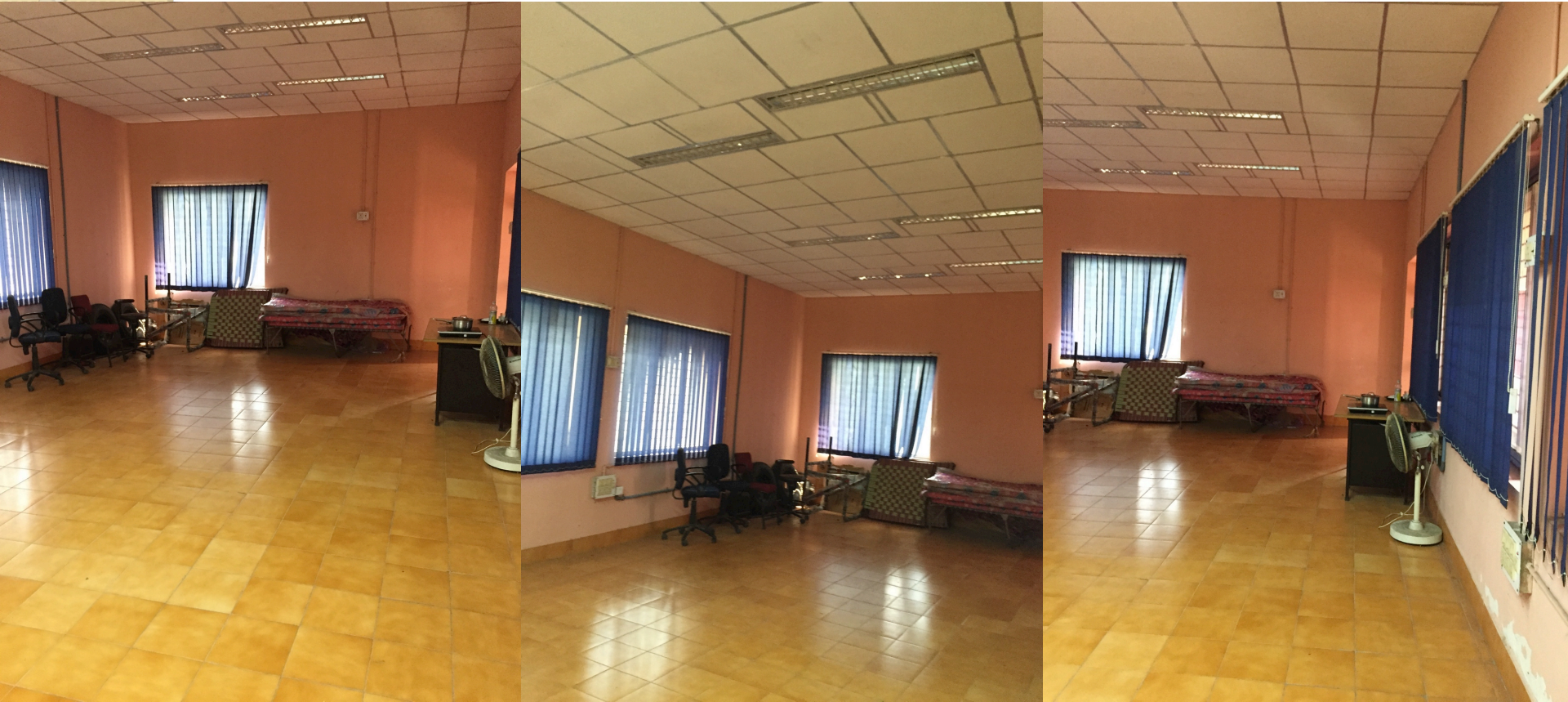
Located about  
30 km north of  
Kolkata

Atmospheric  
science research

Monitoring of  
ozone and fog

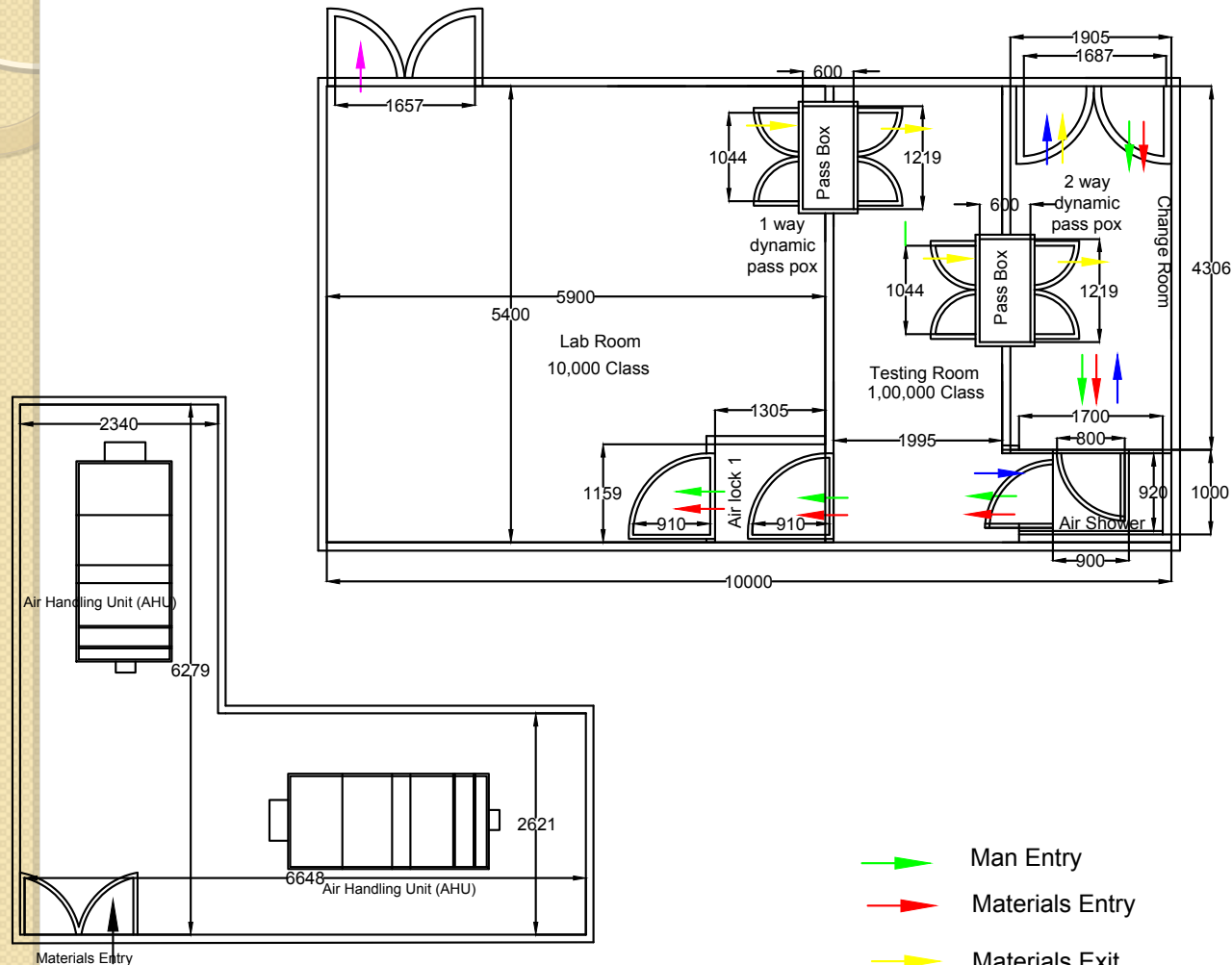


# Room for clean room



About 12 m x 8 m room at ground floor

# Plan of clean room @ Bose Institute



Class 10,000  
for detector  
building

Dimension: 5.9  
m x 5.4 m

Class 100,000  
for detector  
testing

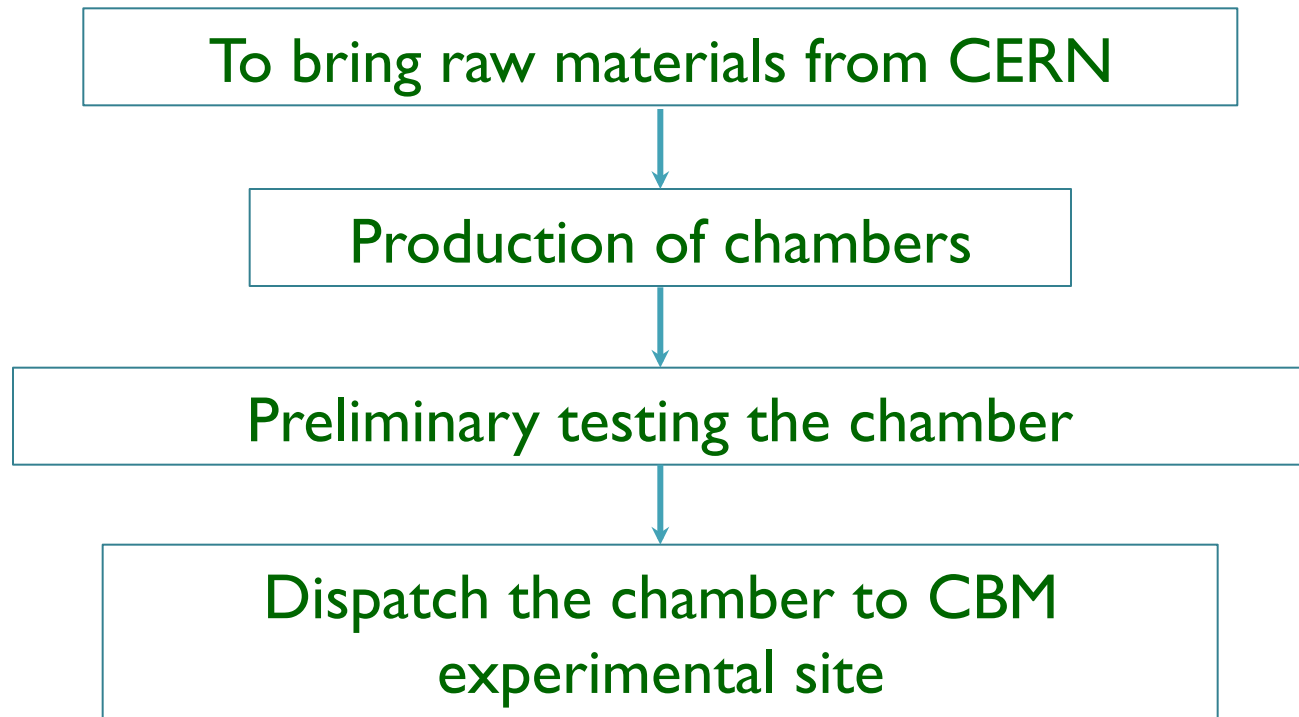
Dimension:  
5.4 m x 2 m

ALL DIMENSION ARE IN m.m

# Status

- Indent process completed
- Company has been identified
- Purchase order is in preparation
- It will take 4 months after the purchase order is issued

# GEM chamber Production plan





# Electronics set-up @ Bose Institute





# Resources

- Experience of building and characterizing GEM detectors
- Building a clean room for GEM detector fabrication at Bose Institute, Shyamnagar
- Infrastructure of detector testing
- Manpower

Thank you