

# QUESTIONNAIRE FOR DESIGN OF PROPOSED

## 1. KINDS CLEAN ROOM REQUIRED : ( PLEASE INDICATE BY CIRCLING THE APPROPRIATE LETTER)

- A) INDUSTRIAL CLEAN ROOM                      C) BIO-CLEAN ROOM  
B) BIO-HAZARD LABORATORY                      D) BIO-HAZARD LAMINAR FLOW
- E) ENVIRONMENT CONTROL ROOM (Precision Temperature & Humidity Control)  
F) CLEAN ROOM EQUIPMENT (AIR-SHOWER / PASS BOX / BAROMETRIC DAMPER)

## 2. NECESSARY CLEAN AREA DIMENSIONS : (PLEASE SHOW BY DRAWING OR SKETEC, IF PROOSILES)

- A) WORKING AREA : L X W X H (mm)                      B) ROOM : L X W X H (mm)

## 3. PLAN : (PLEASE INDICATE BY CIRCLING THE APPROPRIATE LETTER)

- A) REMODELING EXISTING ROOM TO CLEAN ROOM                      C) ENTIRELY NEW CONSTRUCTION, INCLUDING BUILDING  
B) NEW CONSTRUCTION IN EXISTING BUILDING                      D) OTHER

## 4. TEMPERATURE AND HUMIDITY CONDITIONS :

- A) CLEAN ROOM; C+/-C,%+/--%                      B) AIR CONDITIONING; SUMMER C+/-C,%+/--% / WINTER C+/-C,%+/--%

## 5. KINDS OF EQUIPMENT AND EXHAUST AIR :

A) KINDS OF EQUIPMENT AND NUMERS,ELECTRIC POWER CONSUMPTION, OPERATION HOURS.

B) AIR EXHAUST EQUIPMENT AND NUMBERS, EXHAUST AIR VOLUME.

**6. LIGHT : (PLEASE INDICATED BY CIRLING THE APPROPRIATE LETTER)**

A) COMMON FLUORESCENT LAMPS----LUX. OR W/m<sup>2</sup>

B) SPECIAL LIGTHING-----LUX.OR W/m<sup>2</sup>

**7. OPERATING HOURS OF CLEAN ROOM : (PLEASE INDICATE BY CIRCLING THE APPROPRIATE HOURS)**

A) 5 HOURS

C) 12 HOURS

B) 8 HOURS

D) 24 HOURS

**8. REQUIRED CLEANLINESS : (PLEASE INDICATE BY "X")**

A) IN WORKING AREAS :

B) IN ROOMS :

CLASS 10 BIO-CLASS 100

CLASS 100 BIO-CLASS 100

CLASS 1000 BIO-CLASS 1000

CLASS 1000 BIO-CLASS 1000

CLASS 10000 BIO-CLASS 10000

CLASS 10000 BIO-CLASS 10000

CLASS 100000 BIO-CLASS 100000

CLASS 100000 BIO-CLASS 100000

**9. TYPES OF MANUFACTURING PROCESSES OR EXPERIMENTS :**

## Room Operating Specifications

Temperature:  (D.B.)

Relative Humidity:  (%)

Cleanliness Class:  (Federal Standard 209E)

Illumination:  (F.C. @ Bench Height)

Type Desired:

## Room Operating Conditions

Occupants:  (Number)

Ambient Plant Temperature:  Min.  Max.

Ambient Plant Humidity:  Min.  Max.

Internal Dissipated Heat:  Watts  HP

Room Use Duty Cycle:

Make-Up Air Can Be Drawn From:  Plant  Outdoors

Process Exhaust:  CFM to

## Room Details

Room Size:  Length x  Width x  Height (Room Ceiling Hgt.)

Air Lock Size, If Any:  Length x  Width x  Height

Gowning Room Size, If Any:  Length x  Width x  Height

Room To Be On:  Floor of  Story Building

Wall Material Preference, If Any:

Wall And Ceiling Fire Rating, If Any:

Sprinklers Required In Room:

Does Plant Have Sprinklers?  Yes  No

Flooring Required:

Description Of Traffic In Room:

Does the room need an  Air Curtain or  Shower?

Room Monitoring Instrumentation:

Electrical Outlets:

Vacuum Ports:

(Housekeeping Vacuum)

Windows:

Doors:

Talk-Thrus:

Pass-Thrus:

Emergency Lighting:

Union Labor Required?

 Yes  No

Any Other Special Requirements?

(E.G. Laminar Flow Equipment, Explosion Proof Requirement, Hazardous Material, R.F.I., etc.)

## Plant Information

Present Floor Material and Condition:

Overhead Clearance:

Dimensions to Underside of Joists or Beams:

Present Roof or Ceiling Construction:

Distance to Nearest Outside Wall:

Distance from Loading Dock to Project Site:

Possible Location(s) for A/C Equipment:

Electrical Services Available:

 (Voltage/Phase)

Building Plans Available?

 Yes  No

## Facilities Engineering

(If CRE is Requested to Provide Utility Connection to Customer Equipment)

Steam Lines:

Available Steam:

 (PSI)

Hot Water:

Cold Water:

Compressed Air:

Available Pressure:

Vacuum:

Availability of Vacuum:

Other Gases:

Other Requirements:

## Room Function and Equipment

Process to be Performed in Completed Room:

Equipment to be Used in Completed Room:

Material Flow and Personnel Movement in Room:

Please Provide Sketch of Proposed Clean Room: