

# SUVIK ELECTRONICS PVT. LTD.

## AC DRIVE APPLICATION FORM

Doc No :  
Report No :  
Ref No :  
Date :

Department:  Marketing  Testing  CSD  Purchase

### Client Details:

Company : \_\_\_\_\_  
Industry : \_\_\_\_\_  
Contact Person : \_\_\_\_\_ Address : \_\_\_\_\_  
Designation : \_\_\_\_\_ City : \_\_\_\_\_  
Email : \_\_\_\_\_ State : \_\_\_\_\_  
Telephone : \_\_\_\_\_ Pin Code : \_\_\_\_\_  
Fax : \_\_\_\_\_ Country : \_\_\_\_\_  
Application : \_\_\_\_\_ Number of Such  
System Required: \_\_\_\_\_

### Power Supply to System:

Main Electric Board  Power Plant  Generator

### Motor Details (presently used)

1. HP \_\_\_\_\_ 4. Volts \_\_\_\_\_ 7. Frequency \_\_\_\_\_  
2. RPM \_\_\_\_\_ 5. Amps \_\_\_\_\_ 8. Insulation Class \_\_\_\_\_  
3. Frame Size \_\_\_\_\_ 6. Mounting \_\_\_\_\_

### Present System:

#### Type of load:

Constant Torque  Constant HP  Variable

Type of Coupling: \_\_\_\_\_ Is Braking used: Yes/No

Ratio of coupling: \_\_\_\_\_

Deceleration time of present system from maximum to zero speed: \_\_\_\_\_ sec

Acceleration time of present system from zero to maximum speed: \_\_\_\_\_ sec

Jog speed (if used): \_\_\_\_\_ RPM Reverse used: Yes/No

Starting current: \_\_\_\_\_ AMP Peak for: \_\_\_\_\_ sec

Max continuous \_\_\_\_\_ Min Continuous

Current: \_\_\_\_\_ AMP Current: \_\_\_\_\_ AMP

**Brief description of present system:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Merits & Demerits:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**AC Drive Requirement:**

HP: \_\_\_\_\_ Input Voltage: \_\_\_\_\_ VAC

Output Voltage: 0 To \_\_\_\_\_ VAC

Output frequency Range: \_\_\_\_\_ Hz(Min.) To \_\_\_\_\_ Hz (Max.)

Forward/Reverse required: Yes/No

External speed signal to be used:

- Potentiometer       4-20mA       0-10 VDC       -10 to +10 VDC

Braking Required: Yes/No

Preset Speed: Keypad/ Terminal/ RS485

Speed regulation Required: \_\_\_\_\_ %      Ambient Temperature: \_\_\_\_\_ °C

Environment to install ACT: Dry/ Wet/ Corrosive/ Clean

Acceleration time required: \_\_\_\_\_ sec (Zero to Max. Speed Time)

Deceleration Time Required: \_\_\_\_\_ sec (Max. to Zero Speed Time)

Torque required at min speed: \_\_\_\_\_      Power required at min speed: \_\_\_\_\_

Torque required at max speed: \_\_\_\_\_      Power required at max speed: \_\_\_\_\_

WK Square of Load: \_\_\_\_\_

Describe the Operation in short: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**General**

New installation/ Retrofit

If Retrofit, Name of Inverter used: \_\_\_\_\_

Special features in inverter: \_\_\_\_\_

Disadvantages of present system: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Customer Expectation: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Additional Requirement: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_