

## ANNEXURE-B

### 1. Supply, Installation and Commissioning of CNC Plate Drilling Machine of fully automatic gantry type.

#### Details of Technical Specifications

SL NO	DESCRIPTIONS	SPECIFICATIONS
1	Effective Plate Drilling width	2.5 M
2	Effective Plate Drilling Length	12.5 M
3	Maximum Plate Thickness	50 mm
4	Maximum Drill Size	50 mm
5	Maximum Drilling Speed	25.4 dia – 2 Minutes
6	Change Drills	Manual
7	Drill Cooling System	Normal coolant/Mist
8	Total Power	12 KW
9	Plate Clamping	Manual/Hydraulic

#### Features & List of Modules

Sl. No	List of sub assemblies
1.	Imported High Speed Drilling Spindle – Best in Class.
2.	Option of 'External & Through' Coolant with recirculating system
3.	Drilling capacity up to 50 mm drill dia.
4.	Tool locking by Air Hydro system
5.	Can Handle HSS Drills, Brazed Carbide drills, U Drills.
6.	Can accept BT & MT tools with appropriate sleeves
7.	Recipe based automatic Spindle Speed & Feed selection for a given drill diameter.
8.	3 Axes Precision Servo Positioning system for Long, Cross & Vertical Travel.
9.	BECKHOFF – Germany Servo motors or equivalent motors and drives and Controller
10.	Touch Screen Operator Interface
11.	<b>HAAMP</b> - Highly Advanced Automatic Multi point Referencing – Eliminates manual plate edge referencing.
12.	Fully Scalable Technology (As against conventional CNCs)
13.	Single cable Technology for all Servo axes increases Reliability and ease of Maintenance
14.	Precision Ball Screw Transmission in Servo axes
15.	PALAS India make 15" Touch Screen Monitor
16.	Precision Ball Screw Transmission in Servo axes
17.	Collapsible covers for protecting all axes from Dust
18.	Manual Plate Clamping
19.	Facility to clamp either Single plate or Multiple plates
20.	Multiple plates can be stacked and drilled
21.	Air compressor : As per suitable specification of Air Compressor shall be provided
22.	Isolation transformer: As per suitable maker of Isolation transformer shall be provided
23.	Laptop for Nesting software in suitable specification
24.	Online UPS: As per suitable make of UPS shall be provided

- \*\*\* **NOTE:** a) Supplier shall provide design drawing of installation platform /foundation and cutting bed structure with material list.  
b) Prior to supply of CNC Drilling machine at site design of installation platform/foundation and cutting bed structure to be furnished well in advance.  
c) Drilling 10mm to 50mm thick plates (MS/HTS) and hold diameter upto 50mm