

## ANNEXURE-A

PS-2

## SPECIFICATIONS FOR CNC TOOLING

Sl. No.	Item	SIZE	Quantity (pcs.)
1	Hydraulic chuck with HSK 63A COUPLING. Balanced up to 15000 rpm. Run out 0.003mm. Low tightening torque.	ID 32mm Gauge plain length 120mm.	5
2	Collets for item no. 1 (2 Pcs each)	ID 6,8,10,12,14,16,20,25mm (One pc each)	8
3	Hydraulic chuck with HSK 63A COUPLING. Balanced up to 15000 rpm. Run out 0.003mm. Low tightening torque.	ID 25mm Gauge plain length 120mm.	4
4	Collets for item no. 3	ID 6,8,10,12,14,16,20 (2 Pcs each)	14
5	Collet chuck holder ER32, HSK 63A	ER32 Gauge plain length 80mm	1
6	Collet chuck holder ER32, HSK 63A	ER32 Gauge plain length 120mm	1
7	Collet chuck holder ER32, HSK 63A	ER32 Gauge plain length 160mm	1
8	Collets for item no. 5, 6, 7 (2Pcs each)	ER-32 ID. 2-3, 3-4, 4-5, 5-6, 6-7, 7-8, 8-9, 9-10, 10-11, 11-12, 12-13, 13-14, 14-15, 15-16, 16-17, 17-18, 18-19, 19-20 mm (@ each)	36
9	Side lock End mill Chuck Holder HSK63A with 2 bolts clamping	ID 16,20,25 & 32mm. (One each)	4
10	Face Mill Holder HSK63 A	For milling cutter bore dia 22mm	1
11	Indexable Face Mill Cutter dia 63mm, medium pitch	Common cutter for Square, Octagonal and Round inserts	1
12	Solid Carbide Inserts for item no. 11	Square Inserts	20
		Octagonal Inserts	20
		Round Inserts	20
		Wiper Inserts	10
13	High feed Milling Cutter with 2 insert pocket suitable for 4 cutting edge screw mounted inserts.	Dia: 18mm Shank size dia: 16mm	1
14	High feed Milling Cutter with 4 insert pocket suitable for 4 cutting edge screw mounted inserts.	Dia: 22mm Shank size dia: 20mm	1
15	High feed milling inserts for item no. 13 & 14	4 Cutting Edge Inserts	20
16	Long projection slim Hydraulic Chuck HSK 63A	ID.25 Gauge plain length 200 mm	1
17	Doublestation Precision Vice compatible for Intermediate jaws & Prismatic Jaws	Jaw width 150 mm Jaw opening 260 mm Tightening Torque = 100 Nm max	1
18	Intermediate jaws	2 Pcs	
	Prismatic jaws	2 Pcs	
	Click Parellel Normal Height	One Set	
	Click Parallel Lower Height	One Set	
	(Suitable for Item at Sr. No. 17)		

	Square shoulder Mill Cutter for screw mounted triangular Inserts	Dia : 16 mm Shank Size dia : 16 mm Length: 80mm (One) Length: 140mm (One)	
20	Solid Carbide Inserts suitable for item no. 19 (Triangular)	Triangular inserts	40
21	Please attach the make, Catalogue referance and specifications for each item listed above		

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*Ashwani Kumar*