

Sr. #	DESCRIPTION	QTY Nos.
1.	Dust Collector / Cyclone separator(Complete Unit)	
	<ul style="list-style-type: none"> Single phase motor of appropriate size top be operated from 230 V 50 Hz power source Air suction capacity: 1350-1450 CFM Velocity in branch: 4000-4300 ft/.min Velocity in Main duct: 3500-4000 ft/min Type of Dust: graphite particles/heavy dust Total points of suction:3 Intake hole size: 8inch(Round) Discharge size:10 inch Filter: Plastic Spun bond polyester Collection drum: 55 gallons steel with collared lid 10" alongwith 1 ft hose and 2 clamps Base construction: Steel stand (14 gauge SWG) Impeller: Stainless Steel Blower housing: 11-guage SWG Body: 14-gauge SWG, Paint type: powder coated 	01
	Note: Design of dust collector should be durable with long operational life	
	<u>DUCT WORK, PIPING AND FITTINGS</u>	
2.A	Spiral pipe/straight pipe(snap lock style) Construction : (22 gauge galvanized metal)	
(i)	Spiral pipe , Main duct (dia: 8 in, L: 5 ft)	02 Nos.
(ii)	Spiral pipe , Main duct (dia: 6 in, L: 5 ft)	03 Nos.
(iii)	Spiral pipe , Main duct (dia: 4 in, L: 5 ft)	03 Nos.
(iv)	Clamps and seal for pipe ,Dia: 6 inch	04 Nos.
v)	Clamps and seal for pipe ,Dia: 4 inch	04 Nos.
2.B	General purpose Flex hose (Reinforced with spring steel wire)	
(i)	Flex hose, Dia: 5 inch, L:12.5 ft	02 Nos.
(ii)	Flex hose, Dia: 4 inch, L:12.5 ft	04 Nos.
(iii)	Flex hose, Dia: 3 inch, L:12.5 ft	02 Nos.
(iv)	Hose clamp, Dia: 4 inch	10 Nos.
v)	Hose clamp, Dia: 5 inch	10 Nos.
vi	Hose clamp Dia: 3 inch	05 Nos.

2.C	Fitting (20 gauge galvanized construction)	
(i)	Male pipe to pipe coupling, Dia: 8 in	04 Nos.
(ii)	Male pipe to pipe coupling, Dia: 6 in	05 Nos.
(iii)	Male pipe to pipe coupling, Dia: 4 in	05 Nos.
(iv)	45° Tee on Taper fully welded, Size: 6x4x4 inch	02 Nos.
v)	45° Tee on Taper fully welded, Size: 8x6x5 inch	02 Nos.
vi)	90° Elbow die stamped , Dia: 4 inch	02 Nos.
vii)	90° Elbow die stamped , Dia: 8 inch	04 Nos.
2.D	Blast Gate (Aluminum Construction)	
(i)	Blast gate along with its fittings Size: 5 inch	02 Nos.
(ii)	Blast gate along with its fittings Size: 4 inch	03 Nos.
(iii)	Hose to gate connector (22 gauge galvanized) Size: 5 inch	02 Nos.
(iv)	Hose to gate connector (22 gauge galvanized) Size: 4 inch	03 Nos.
	Note: Provide necessary seals and accessories where required	