

BOQ FOR 30 KLD ETP FOR CONSTRUCTION OF NEW SLAUGHTER HOUSE AT GADDIGODAM, NAGPUR.							
Sr.No	Equipment	Make	MOC	Detail	Quantity (No.)	Rate	Amount
1	Coarse Screen	WCT	SS 316	Size 10MM_12 MM	1		
2	Fine Screen	WCT	SS 316	Size 2MM_6 MM	1		
3	Oil & Grease trap	WCT	CI/SS Motor	RRotating Belt Type	1		
4	DAF System With Pump & Tank	WCT	CI/SS Motor	Pump,Tank Compressor Unit	1		
5	DAF SKID	WCT	SS 304	To support DAF Unit	1		
6	Effluent Transfer Pump	Kirloskar/CRI /Crompton/Eqv	CI /SS	Approx 3 M3/Hr, 1 HP @ 10 -12 M head	2		
7	Filter Feed Pump	Kirloskar/CRI /Crompton/Eqv	CI /SS	Approx 3 M3/Hr, 3 HP @ 30_35 M head	2		
8	Sludge Transfer Pump	Kirloskar/CRI /Crompton/Eqv	CI /SS	Approx 1 M3/Hr, 1 HP @ 10 -12 M Head	2		
9	Air Blower	A1/ABL/KPT/Air vac/Eqv	CI	Approx 50 M3/Hr , @ 0.4Kg/Cm2	2		
10	Air Blower Header	MS_ Fabricated	MS	MS material + Fabrication	1		
11	Culture Dosing Pump	Edose / Idose/Sandur/Eqv	High Quality Plastic	Approx 0 - 10 LPH@ 2Kg/Cm2	1		
12	pH Dosing Pump	Edose / Idose/Sandur/Eqv	High Quality Plastic	Approx 0 - 10 LPH@ 2Kg/Cm2	1		
13	Coagulent Dosing Pump	Edose / Idose/Sandur/Eqv	High Quality Plastic	Approx 0 - 10 LPH@ 2Kg/Cm2	1		
14	Disinfectant Dosing Pump	Edose / Idose/Sandur/Eqv	High Quality Plastic	Approx 0 - 10 LPH@ 2Kg/Cm2	1		
15	Culture Dosing tank	Sintex /Plasto/Eqv	LDPE	LDPE - 100 liter	1		
16	Coagulent Dosing tank	Sintex /Plasto/Eqv	LDPE	LDPE - 100 liter	1		
17	Disinfectant Dosing tank	Sintex /Plasto/Eqv	LDPE	LDPE - 100 liter	1		
18	pH Dosing tank	Sintex /Plasto/Eqv	LDPE	LDPE - 100 liter	1		

19	MBBR Media	Universal / PP Aqua /Eqv	PP Black/PVC	16MM X 22MM	10		
20	Settling Media	Universal / PP Aqua /Eqv	PP/ PVC	1000 mm	12		
21	Disc Diffuser for AT	Universal / PP Aqua /Eqv	EPDM	150MM	15		
22	Disc Diffuser for EQT	Universal / PP Aqua /Eqv	EPDM	150 mm	10		
23	Disc Diffuser for FFT	Universal / PP Aqua /Eqv	EPDM	150 mm	5		
24	Disc Diffuser for TWT	Universal / PP Aqua /Eqv	EPDM	150 mm	5		
25	Multigrade Filter	Pentair / Aventura/Eqv	FRP	Approx 14 " X 65 "	1		
26	Media of Filter	Eqv	Coarse sand ,Fine sand , Pebble , Gravel	Approx 200 KG	1		
27	MPV valve for Sand filter	Intitative / Eqv	UPVC	Size 1.5 "	1		
28	Activated Carbon Filter	Pentair / Aventura/Eqv	FRP/MS with frontal piping	Approx 14 " X 65 "	1		
29	Carbon media with sand	Eqv	900 IV Carbon	Approx 75 KG Carbon + 50 Kg Sand	1		
30	MPV valve for Carbon filter	Intitative / Eqv	UPVC	Size 1.5 "	1		
31	UF Membrane Module	Inge/Hitech /WCT/Eqv	PVDF CI/SS SS 316 SS304	Approx 2M3/hr	1		
32	UF Feed Pump	Kirloskar/CRI /Crompton/Eqv	MS with Powder Coated	Approx 2M3/hr @ 30 _35M Head	1		
33	UF Skid	WCT		For Pump, blower Module Support	1		
34	Ozonation unit	WCT		Dosing Rate 15gm/Hr	1		
35	Control Panel	Aster/ L&T/Siemens /Eqv		Approx Size 1 M X 0.5 M X 2 M	1		
36	Power Cable , Electrical , Cabeling	Finolex/Polycab/ Eqv	Copper & Aluminium	for panel , Pump,Blower ,doisng pump etc	1		
37	Cable Tray & other	Perforated Type Eqv	Perforated Type	Perforated	1		
38	level switch	Aster / Pune Techtrol /Eqv	EPDM	for Collection tank & filter feed tank , treated water tank ,etc	5		

39	Pressure gauge	Baumer/ Eqv	SS	Approx 0 - 14 Kg/cm ²	3		
40	Flow meter	Aster /Filtru/ Eqv	UPVC/Float SS	Approx 0-10 m ³ /hr	5		
41	Piping_ Pipe	Astral / Plaso / Eqv	UPVC	1", 1.5"	10		
42	Butterfly valve for Blower	Audco/L&T/Eqv	UPVC	1", 1.5"	5		
43	Ball Valve for piping	Astral / Plaso / Eqv	UPVC	1", 1.5"	30		
44	NRV Valve For Piping	Kirloskar/L&T/Eqv	MS	1", 1.5"	10		
45	Foot Valve For Pump	Kirloskar/L&T/Eqv	MS	1", 1.5"	5		
46	Piping Fitting Elebow , tee , Union , etc	Astral / Plaso / Eqv		1", 1.5"	50		
47	Hardware_ Nut Bolt , Achor bolt etc		MS	1 Lot	1		
48	loading , Unloading ,Crane , Packing , Forwarding , Labour,Transportation Etc				1		
49	Installtion & Commissioning DESIGN , DRAWING & Supervison ENGINEERING Along with				1		
	Total						
				Agency			