

ANNEXURE-I

Sn	ITEM TYPE	MATERIAL CODE	DETAILS
1	BUTTERFLY VALVE	4293060033	BUTTERFLY VALVE, FLANGED END, Construction: MOLDED, STANDARD DESIGN, 150 CLASS PRESSURE RATING @ 23 DEG CENT WATER, MAXIMUM SERVICE TEMPERATURE= 90-100 DEG CENT, WHEEL/HANDLE FOR VALVES BELOW 10". TEST CERTIFICATE TO BE PRODUCED. 10" VALVE SHALL BE GEAR OPERATED.
		4293060053	
		4293060013	
2	CPVC CHECK VALVE	4293070033	CHECK VALVE, Construction: MOLDED, CAN BE FITTED IN BOTH HORIZONTAL AND VERTICAL POSITION. Internal rubber fittings: EPDM, STANDARD DESIGN, 150 CLASS PRESSURE RATING @ 23 DEG CENT WATER, MAXIMUM SERVICE TEMPERATURE= 90-100 DEG CENT, WHEEL/HANDLE, TEST CERTIFICATE TO BE PRODUCED.
		4293070063	
		4293070073	
		4293070083	
3	CPVC PIPE	3581010023	PIPE, CPVC, SCH 80, LENGTH=3-5 MTR, CONSTRUCTION:- EXTRUDED, PIPE WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT, MATERIAL SHALL BE CONFORMS TO ASTM-F441, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION, PROPERTIES OF MATERIAL AT 73 DEG FERENHITE, SP. GR=1.52(REF ASTM D-792), ROCKWELL HARDNESS (R) -117 (REF ASTM D-785), TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC, ODOURLESS, TASTELESS, CORROSION FREE, LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
		3581010103	
4	CPVC ELBOW, 90/45 DEG	3798010093	ELBOW, 90/45 DEG, SOCKET END, CPVC, LONG RADIUS, SCH 80, CONSTRUCTION:- STD, PIPE WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT, MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION, PROPERTIES OF MATERIAL AT 73 DEG FERENHITE, SP. GR=1.52(REF ASTM D-792), ROCKWELL HARDNESS (R) -117 (REF ASTM D-785), TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC, ODOURLESS, TASTELESS, CORROSION FREE, LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
		3798010103	
		3798010113	
		3798020023	
		3798010123	
5	CPVC VANSTONE FLANGE	4180120083	SOCKET VANSTONE FLANGE, CLASS#150, STANDARD DIMENSION, CONSTRUCTION:- MOLDED, MAXIMUM SERVICE TEMP=90-100 DEG CENT, MATERIAL SHALL BE CONFORMS TO ASTM CODE, MATERIAL SHALL BE SMOOTH, INERT TO ACID, ALKALIES & SELF SOLUTION, HIGHLY RESILIENT, TOUGH AND DURABLE WITH SIGNIFICANT TENSILE STRENGTH, HIGH IMPACT STRENGTH, MATERIAL SHALL BE FIRE RESISTANCE CONFORMS TO ASTM E-84, MATERIAL SHALL BE NON-TOXIC, ODOURLESS, TASTELESS, CORROSION FREE, LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
		4180120093	
		4180120113	
		4180120023	
		4180120033	
		4180120043	
6	CPVC EQUAL TEE	3764010083	EQUAL TEE, SOCKET ENDS, SCH 80, CPVC, CONSTRUCTION:- STD, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT, MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION, PROPERTIES OF MATERIAL AT 73 DEG FERENHITE, SP. GR=1.52(REF ASTM D-792), ROCKWELL HARDNESS (R) -117 (REF ASTM D-785), TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC, ODOURLESS, TASTELESS, CORROSION FREE, LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
		3764010093	
		3764010103	
		3764010113	

7	CPVC REDUCER BUSH	3775020013	2" X 1" REDUCER BUSH,SOC,SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
8	CPVC REDUCER TEE	3775010013	REDUCER TEE, SOCKET END ,SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696).
		3775010083	MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
9	CPVC REDUCER COUPLER	3775030013	REDUCER COUPLER,SOCKET END,SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD,MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
		3775030023	
		3775030053	
		3775030033	
		3775030063	
		3775030073	
10	CPVC FAPT(FIPT X SOC)	3797020013	1/2" FAPT(FIPT X SOC), SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F437/F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
11	CPVC UNION	3797040013	UNION (SOC X SOC) EPDM, SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
12	CPVC COUPLER	3797030043	COUPLER, SOCKET END, SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
		3797030073	
		3797030083	
13	CPVC 6" X 1" CLAMP SADDLE	3776010023	6" X 1" CLAMP SADDLE SOC EPDM ZNC BOLT SINGLE OUTLET, SCH 80,CPVC,STANDARD DIMENSIONS, CONSTRUCTION:- STD,MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.

14	CPVC END CAP	3776010033	10" CAP, SOC, SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD,COLOUR -GREY, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
15	CPVC REDUCER BUSHING(SPGxSOC)	3776010053	REDUCER BUSHING(SPGxSOC),SCH 80,CPVC,STANDARD DIMENSIONS,CONSTRUCTION:- STD, WALL THICKNESS MAY VARY BUT SHALL CONFORM TO ASTM STANDARD. MAXIMUM SERVICE TEMP=90-100 DEG CENT,MATERIAL SHALL BE CONFORMS TO ASTM-F437/439, MATERIAL SHALL BE SMOOTH AND SEAMLESS INTERIOR WALLS, INERT TO ACID, ALKALIES & SELF SOLUTION,PROPERTIES OF MATERIAL AT 73 DEG FERENHITE,SP. GR=1.52(REF ASTM D-792),ROCKWELL HARDNESS (R) -117 (REF ASTM D-785),TENSILE STRENGTH (Psi)=8200 (REF ASTM D-638), FLEXIBILITY STRENGTH (Psi)=15000 (REF ASTM D-790), IROD IMPACT FT. LBS/IN. NOTCH =1.6 (REF ASTM D 256), COEFFICIENT OF EXPANSION (F) IN/IN = 3.7 (REF ASTM D 696). MATERIAL SHALL BE NON-TOXIC,ODOURLESS,TASTELESS,CORROSION FREE,LOW FRICTION LOSS, LOW THERMAL CONDUCTIVITY, SHALL RESIST IN EXTERNAL CORROSION FUMES/ATMOSPHERE. TEST CERTIFICATE TO BE PRODUCED.
		3776010013	
16	PRIMER/CLEANER, P 70 or EQ	4701090033	IPS WELD-ON PREMIER/CLEANER, P 70 OR EQUIVALENT, 900-1000 ml or Eqv., TEST CERTIFICATE TO BE PRODUCED.