

DAFTAR RINCIAN HARGA PENAWARAN

NO	RINCIAN	JUMLAH	SATUAN	HARGA SATUAN (Rp)	JUMLAH HARGA (Rp)
	Pengadaan Jasa Penambahan Fire Fighting di Tangki HSD PLTU Belitung (AI 2022)				
A	Pipa Tapping , Header & Drain test				
1	Pipa carbon steel 6" (DN 100), Sch40, ASTM A53	7	btg		
2	Pipa Carbon Steel 2" (DN 80), Sch40, ASTM A53	1	btg		
3	Pipa Carbon Steel 1/2" (DN20), Sch40, ASTM A53	1	btg		
4	Pipa Carbon Steel 1", Sch40, ASTM A53	1	btg		
5	Pipa Carbon Steel 3/4" , Sch40, ASTM A53	1	btg		
6	Ball Valve 1"	1	ea		
7	Ball Valve 1/2"	1	ea		
8	Ball Valve 3/4"	1	ea		
9	Ball Valve 2"	1	ea		
10	Flange & gasket (rubber) dia. 2", #150 psi, c/w bold & nuts	2	ea		
11	Material instalasi : Accessories, fitting pipe, hanger, beton support, labeling & painting RAL 3000 (primer & finish)	1	ls		
B	Deluge Water Spray System (cooling system)				
1	Pipa Carbon Steel 3" (DN 80), Sch40, ASTM A53 (branch water spray dinding tangki)	14	btg		
2	Pipa Carbon Steel 2" (DN 80), Sch40, ASTM A53 (branch water spray atap tangki, keliling)	10	btg		
3	Pipa Carbon Steel 1/2" (DN20), Sch40, ASTM A53 (fitting spinkler)	2	btg		
4	Pipa Carbon Steel 1", Sch40, ASTM A53 (Drain piping)	1	btg		
5	Ball Valve 1" OS&Y, 150 psi, (drain valve)	1	ea		
6	Gate Valve 3" OS&Y, 150 psi, Resilient Seat, UL/FM, Flanged ANSI B16.1	4	ea		
7	Flange & gasket (rubber) dia. 3", #150 psi, c/w bold & nuts	8	ea		
8	3" Deluge valve electric pilot actuation, consist of : 3" Deluge Valve (Red), FF ANSI Class 150 (600 psi Hydrost. Test)UL FM Electric Actuator, module releasing. Trim Kit, UL/FM for DDX (c/w Solenoid Valve 175 psi), mechanical sprinkler, water motor alarm, pressure gauge Pressure switch with 2 sets SPDT contact.	1	ea		
9	Nozzle spray 1/2 NPT K-5.6 ; Angle 110° Type pendant (dinding tangki 2 unit)	38	ea		
10	Nozzle spray 1/2 NPT K-5.6 ; Angle 110° Type pendant (atap tangki 2 unit)	14	ea		
11	Material Instalasi Accessories, fitting nozzle spray, beton support, U Bolt, Hanger, labeling, Support siku 60 x 60 mm (warna cat sesuai eksisting), Painting RAL cat untuk dinding tangki dampak pengelasan support pipa	1	ls		
C	Pipa, aksesoris & fire monitor foam				
1	Pipa carbon steel 6" (DN 100), Sch40, ASTM A53	4	btg		
2	Gate valve 4" OS&Y, 150 psi, flange, bolt & nut, ring plat, ring per, reducer	1	bj		
3	Fire monitor water foam protec	1	unit		
4	Material Instalasi	1	ls		

	Accessories, fitting nozzle spray, beton support, U Bolt, Hanger, labeling,				
	Support siku 60 x 60 mm (warna cat sesuai eksisting), Painting RAL				
D	Fire Alarm System				
1	FACP	1	ea		
2	Explosion proof conventional stick heat detector (industrial) 80 - 89 deg cel UL/FM , c/w tee duss & sealent comply hazardous zona 0, Atex Ex ia/Ex ma/ Ex sa	1	ea		
2	Explosion proof conventional stick heat detector (industrial) 102 -108 deg cel UL/FM , c/w tee duss & sealent comply hazardous zona 0, Atex Ex ia/Ex ma/ Ex sa	1	ea		
3	Horn strobe light 24 VDC, wall mounted (UL/FM)	2	ea		
4	Manual release station outdoor (UL/FM)	4	ea		
5	Kabel NYY 2x2,5 mm2, power	250	m		
6	Kabel data STP 1 pair 18 AWG type outdoor type armoured (FACP to DCS)	250	m		
7	Galvanish conduit 3/4 inch threaded setara panasonic c/w Fitting	1	ls		
8	material bantu : pipe support, painting, conduit steel galvanish 3/4 "	1	ls		
	cat, connector, clips, cable tagging,equipment labeling				
9	Pekerjaan jasa bonding dan grounding max. 5 ohm	1	ls		
E	Pekerjaan Jasa Fire Protection System				
1	Mobilisasi/ demobilisasi	1	ls		
2	Akomodasi & transportasi lokal crew	1	ls		
3	Keamanan kerja + base camp, direcsi kit	1	ls		
4	Program K3 (Helm, Sepatu, dll)	1	ls		
5	pekerjaan listrik kerja, air	1	ls		
6	Jasa pengetesan	1	ls		
7	Jasa modifikasi, Installasi fire protection, test commissioning dan training	1	ls		
8	Dokumentasi laporan proyek (as built drawing, manual book, MSDS, sertifikat),	1	ls		
	dokumen softcopy dalam hardisk				
9	Pekerjaan pembersihan proyek	1	ls		
Terbilang :				TOTAL	
				PPN 11%	
				JUMLAH TOTAL	

Paraf dan Stempel Perusahaan