BABCOCK & WILCOX

INTERMOUNTAIN POWER PROJECT - RB-614
STEAM GENERATOR UNITS 1-4
PROJECT FILE 9255.62.3401
IPA CONTRACT 2010N

SUBJECT Customer Information per Div. F1 Article 7 DATE 12-8-81 PAGE 3 OF 3

		MCR	100%	75%	50%	25%
rticle .1(c)(10) a b	MLB/HR Air: Tot.Air Ent. Pri. AH	1066.100	1006.100	833.7	623.7	393.5
	Tot.Air Ent. Sec. AH	5788.694	5498.660	4449.569	3263.112	1911.132
	Tot.Air Lvg. Pri. AH	896.1	837.1	679.7	476.7	255.5
	Tot.Air Lvg. Sec. AH	5458.694	5183.660	4196.569	3047.112	1717.132
rticle .1(c)(11)	Air Ent. Pri.AH @ 80° - CFM	282516	267287	222876	167152	105786
	Total Air Air Ent. Sec.AH @ 80° - CFM	1431737	1363668	1112392	822304	488294
rticle .1(c)(12) a b	Air Temp. Ent. Pri. AH	78	77	75	75	75
	" " Ent. Sec. AH	65	64	63	62	88
	Air Temp. Lvg. Pri. AH	580	582	584	590	533
	" " Lvg. Sec. AH	651	647	628	611	525
rticle .1(c)(13) a secondary b air system c d	Air Pressure - (inches H_2O)					
	loss through air htr pri/sec	1.25/2.2	1.10/2.0	0.75/1.35	0.40/0.80	0.15/0.30
	loss through duct work	1.55	1.38	1.13	0.58	0.39
	required at bnr. windbox	3.16	2.83	2.60	1.93	3.85
	total required at AH inlet*	5.64	4.94	3.82	2.07	3.34
Article 7.1(c)(14)	Heat Absorbed by Boiler %	88.41	88.44	88.43	88.68	88.61
rticle .1(c)(15) a thru g	Heat Loss % Due to:					
	H_2O from combustion of hydrogen & moisture in fuel	5.17	5.16	5.15	5.10	5.06
	Theoretical dry gas	4.28	4.24	4.16	3.68	3.12
	Excess air & moisture @ air heater outlet (uncorrected)	0.78	0.78	0.84	1.02	1.36
	Moisture in theoretical air	0.01	0.01	0.01	0.02	0.04
	Radiation loss	0.15	0.17	0.21	0.30	0.61
	Unburned carbon	0.20	0.20	0.20	0.20	0.20
	Unacct. for & Manuf. margin	1.00	1.00	1.00	1.00	1.00

*including stack effect

	MCR	100%	75%	50%	25%
Gas Velocity - fps					
Ent. Sec. SH S L = 24"	39	36.8	28.6	19.0	9.2
Ent. Sec. SH S L = 12"	42.4	39.9	30.8	20.6	10.2
Ent. Pendant RH	49.6	46.7	36.1	24.3	12.3
Ent. Horiz. RH	49.9	50.1	53.8	46.3	12.0
Ent. Horiz. SH	37.3	33.6	18.3	7.7	10.4
Coal Consumption LB/HR	717790	685200	542240	375300	182900

Article 7.1(c)(1(a b c

Article 7.1(c)(1

THIS INFORMATION IS SUBMITTED FOR THE PURCHASER'S CONVENIENCE AND THE PERFORMANCE INDICATED THEREON SHALL NOT BE OFFERED BY THE COMPANY OR CONSTRUED BY THE PURCHASER AS A PROPOSAL OR CONTRACT OBLIGATION.

DWG. JN-120881-3-0

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