HARGA BATUBARA ACUAN (HBA) & HARGA PATOKAN BATUBARA (HPB)
BULAN JANUARI 2013

HBA

HBA (US$/Ton)	**87,55**	FOB *Vessel*

HPB BATUBARA MARKER

NO	MEREK DAGANG/ *BRAND*	KUALITAS *TYPICAL*				HPB MARKER (US$/ton)
		CV (kcal/kg GAR)	TM (%, ar)	TS (%, ar)	Ash (%,ar)	
1	Gunung Bayan I	7.000	10,0	1,0	15,0	94,03
2	Prima Coal	6.700	12,0	0,6	5,0	93,55
3	Pinang 6150	6.200	14,5	0,6	5,5	84,40
4	Indominco IM_East	5.700	17,5	1,6	4,8	71,55
5	Melawan Coal	5.400	22,5	0,4	5,0	68,60
6	Envirocoal	5.000	26,0	0,1	1,2	64,02
7	Jorong J-1	4.400	32,0	0,3	4,2	51,58
8	Ecocoal	4.200	35,0	0,2	3,9	46,99

HPB BATUBARA LAINNYA

No	MEREK DAGANG/ BRAND	Kualitas *Typical*				HPB (US$/ton)
		CV (kcal/kg, GAR)	TM (%,ar)	TS (%,ar)	Ash (%,ar)	
9	Gunung Bayan II	7.000	12,0	2,00	10,0	89,93
10	Marunda Thermal Coal	6.600	11,0	0,50	10,0	91,62
11	Trubaindo HCV_HS	6.553	12,0	1,69	4,2	87,56
12	Trubaindo HCV_LS	6.423	11,5	0,71	4,8	90,02
13	Tanjung Formation Coal	6.420	11,0	0,70	12,5	87,41
14	Pinang 6000 NAR	6.300	14,0	0,60	5,5	86,16
15	Arutmin Satui 10	6.300	11,0	1,00	10,0	85,60
16	Arutmin Senakin	6.250	11,0	1,00	12,0	84,13
17	Arutmin A6250	6.250	10,0	1,20	12,0	84,27
18	Mandiri A	6.210	10,0	0,70	4,7	88,67
19	Wahana Coal	6.200	12,0	0,90	10,0	83,73
20	Medco Bara	6.200	10,0	4,00	12,0	72,39
21	Indominco IM_West / 6500	6.171	15,5	0,76	5,2	82,57
22	TAJ Coal	6.200	10,0	1,00	14,0	83,59
23	Mandiri B	6.148	10,0	1,26	4,7	85,57
24	Trubaindo MCV_LS	6.143	14,0	0,76	5,2	83,60
25	SKB Coal	6.130	9,0	2,20	17,0	77,57
26	Baramarta Coal	6.112	9,5	0,95	13,0	83,46
27	Arutmin A6100	6.100	11,5	1,00	12,5	81,46
28	Insani Coal	6.050	19,0	0,15	3,2	81,11
29	BCS Coal	5.915	15,1	0,56	9,4	78,79
30	Indominco IM_West / 6350	6.029	15,5	0,71	5,2	80,96
31	Bangun Coal	6.072	10,0	2,20	14,9	76,68
32	Pinang 6000	6.000	16,0	0,60	5,0	80,67
33	Indominco IMM_MCVHS	5.970	15,5	1,65	5,1	76,52
34	Multi Coal Low	5.950	16,0	1,00	7,0	77,63
35	Multi Coal Middle	5.900	16,0	2,00	7,0	73,00
36	Pinang 5900	5.900	19,0	0,90	4,5	75,74

No	MEREK DAGANG/ BRAND	Kualitas Tipikal				HPB (US$/ton)
		CV (kcal/kg GAR)	TM (%,ar)	TS (%,ar)	Ash (%,ar)	
37	Arutmin A5900	5.900	12,0	0,90	13,0	78,55
38	Multi Coal High	5.765	16,0	3,20	7,0	66,49
39	KCM Coal	5.730	10,5	0,90	20,5	74,60
40	TSA coal	5.700	18,0	2,00	8,0	68,36
41	Tanito Coal	5.700	17,5	1,00	8,5	72,59
42	Mahakam Coal	5.700	17,5	1,00	8,5	72,59
43	Ebony High Sulphur	5.700	18,0	1,75	4,7	70,68
44	Pinang 5700	5.700	19,0	0,50	5,0	74,70
45	IBP 5500	5.500	20,0	1,00	7,0	68,63
46	Arutmin A5700	5.700	11,0	0,80	14,0	76,76
47	BSS Coal	5.520	10,0	0,45	15,5	75,98
48	Lanna Harita Coal	5.500	22,0	1,00	6,0	67,38
49	Pinang 5500	5.500	21,0	0,40	5,5	70,80
50	Mahoni Medium Sulphur	5.500	20,0	1,30	4,7	68,35
51	Mahoni	5.500	20,0	0,80	4,7	70,35
52	Mahakam Coal B	5.400	23,0	1,50	8,0	62,59
53	Mahoni B	5.300	22,5	0,80	4,6	65,99
54	Kideco Coal	5.125	24,5	0,10	2,0	66,25
55	Agathis	5.100	25,0	0,82	4,5	61,70
56	Lanna Harita Coal	5.000	27,0	1,20	6,0	56,94
57	IBP 5000	5.000	25,0	1,00	7,0	58,85
58	Sungkai Medium Sulphur	5.000	26,0	1,30	4,5	57,90
59	Sungkai	5.000	26,0	0,90	4,5	59,50
60	Sungkai High Sulphur	5.000	26,0	1,70	4,5	56,30
61	Arutmin A5000	5.000	22,4	0,54	8,9	61,89
62	Warukin Formation Coal	4.760	25,0	0,55	4,5	58,94
63	IBP 4600	4.600	28,0	0,50	7,0	54,26
64	Bas Gumay Coal	4.400	35,0	0,50	5,0	48,27
65	IBP 4400	4.400	30,0	0,50	7,0	50,76
66	IBP 4200	4.200	32,0	0,50	6,0	46,84
67	PIC Coal	4.200	33,0	1,75	6,0	41,18
68	Borneo BIB	3.800	41,0	0,40	5,0	32,73
69	PKN 3500	3.520	43,4	0,15	3,4	29,02
70	LIM 3000	2.995	50,1	0,60	5,3	21,64

FORMULA HARGA PATOKAN BATUBARA *STEAM* (*THERMAL*)

1. Harga Batubara Acuan (dalam kesetaraan nilai kalor 6322 kkal/kg GAR)
   HBA = 25% lCl1 + 25% Platts59 + 25% NEX + 25% GC [US$/ton]

   Di mana:
   - HBA = Harga Batubara Acuan [US$/ton]
   - ICI = Indonesia Coal Index [US$/ton]
   - NEX = New Castle Export Index [US$/ton]
   - GC = New Castle Global Coal Index [US$/ton]

   Konversi nilai kalor batubara dari kondisi ADB ke GAR:
   $K_{GAR} = K_{ADB} * (100\text{-}TM) / (100\text{-}IM)$

   Di mana:
   K GAR = Nilai kalor batubara kondisi GAR (*gross as received*)
   K ADB = Nilai kalor batubara kondisi ADB (*as dried basis*)
   TM = *Total moisture*
   I M = *Inherent Moisture*

   Untuk :
   Kandungan Belerang Batubara dalam *as received* (ar)
   Kandungan Abu Batubara dalam *as received* (ar)

2. Menghitung HPB marker No, 1 - 7

   $\text{HPB Marker}_{(i)} = (\text{HBA} * K_{(i)} * A_{(i)}) – (B_{(i)} + U_{(i)})$ [US$/ton]

   Di mana:
   - $\text{HBP Marker}_{(i)}$ = HPB dari 7 batubara price marker [US$/ton]
   - $K_{(i)}$ = Nilai Kalor Batubara $_{(i)}$ / 6322 [fraksi]
   - $A_{(i)}$ = (100 - Kandungan Air Batubara $_{(i)}$) / (100 – 8) [fraksi]
   - $B_{(i)}$ = (Kandungan Belerang Batubara (i) – 0,8) * 4 [US$/ton]
   - $U_{(i)}$ = (Kandungan Abu Batubara $_{(i)}$ – 15) * 0,4 [US$/ton]
   - (i) = price marker 1 – 7

3. Harga Patokan Batubara Marker No, 8

   $\text{HPB Marker}_{(i)} = (\text{HBA} * K_{(i)} * A_{(i)}) – (B_{(i)} + U_{(i)})$ [US$/ton]

   Di mana:
   - $\text{HBP Marker}_{(i)}$ = HPB batubara price marker 8 [US$/ton]
   - $K_{(i)}$ = Nilai Kalor Batubara $_{(i)}$ / 6322 [fraksi]
   - $A_{(i)}$ = (100 - Kandungan Air Batubara $_{(i)}$) / (100 – 8/$FKA_{(i)}$) [fraksi]
   - $FKA_{(i)}$ = (((((100-8)/(100 – Kandungan Air $\text{Batubara}_{(i)}$))* Kandungan Air $\text{Batubara}_{(i)}$))+(100 – 8))/100 [persen]
   - $B_{(i)}$ = (Kandungan Belerang Batubara (i) – 0,8) * 4 [US$/ton]
   - $U_{(i)}$ = (Kandungan Abu Batubara $_{(i)}$ – 15) * 0,4 [US$/ton]
   - (i) = price marker 8

4. Harga Patokan Batubara Lain No, 9 – 65

$HPB_{(j)}$ = {(HPB Price Marker $_{(i)}$ + ($B_{(i)}$ + $U_{(i)}$)) * ($K_{(j)}$ / $K_{(i)}$) *
[(100 – Kandungan Air $_{(j)}$)/(100 – Kandungan Air $_{(i)}$]*
[(100 – 8)/(100 – 8)]} – ($B_{(j)}$ + $U_{(j)}$) [US$/ton]

Di mana:

- $HPB_{(j)}$ = HPB batubara selain batubara Price Marker [US$/ton]
- $B_{(i)}$ = (Kandungan Belerang Batubara (i) – 0,8) * 4 [US$/ton]
- $U_{(i)}$ = (Kandungan Abu Batubara (i) – 15) * 0,4 [US$/ton]
- $B_{(j)}$ = (Kandungan Belerang Batubara (j) – 0,8) * 4 [US$/ton]
- $U_{(j)}$ = (Kandungan Abu Batubara (j) – 15) * 0,4 [US$/ton]
- $K_{(j)}$ / $K_{(i)}$ = Nilai Kalor Batubara (j) / Nilai Kalor Batubara (i) [fraksi]
- (i) = price marker 1 – 7
- (j) = batubara lain 9 – 64

5. Harga Patokan Batubara Lain No, 66 – 70 (Batubara Kalori Rendah)

– <u>Bila TM < 40%</u>

$HPB_{(j)}$ = {(HPB Price Marker $_{(i)}$ + ($B_{(i)}$ + $U_{(i)}$)) * ($K_{(j)}$ / $K_{(i)}$) *
[(100 – Kandungan Air $_{(j)}$)/(100 – Kandungan Air $_{(i)}$]*
[(100 – 8/$FKA_{(i)}$)/(100 – 8/$FKA_{(j)}$]} – ($B_{(j)}$ + $U_{(j)}$) [US$/ton]

Di mana:

- $HPB_{(j)}$ = HPB batubara selain batubara Price Marker [US$/ton]
- HPB $Marker_{(i)}$ = HPB batubara price marker (i) [US$/ton]
- $B_{(i)}$ = (Kandungan Belerang Batubara (i) – 0,8) * 4 [US$/ton]
- $U_{(i)}$ = (Kandungan Abu Batubara (i) – 15) * 0,4 [US$/ton]
- $B_{(j)}$ = (Kandungan Belerang Batubara (j) – 0,8) * 4 [US$/ton]
- $U_{(j)}$ = (Kandungan Abu Batubara (j) – 15) * 0,4 [US$/ton]
- $FKA_{(j)}$ = (((100-Kandungan Air Batubara)/(100 – Kandungan Air $Batubara_{(j)}$))*Kandungan Air $Batubara_{(j)}$)+ (100 – Kandungan Air Batubara)/100 [persen]
- $K_{(j)}$ / $K_{(i)}$ = Nilai Kalor Batubara (j) / Nilai Kalor Batubara (i) [fraksi]
- (i) = price marker 8
- (j) = batubara lain 66 – 67

– <u>Bila TM ≥ 40%</u>

$HPB_{(j)}$ = {(HPB Price Marker $_{(i)}$ + ($B_{(i)}$ + $U_{(i)}$)) * ($K_{(j)}$ / $K_{(i)}$) *
[(100 – Kandungan Air $_{(j)}$)/(100 – Kandungan Air $_{(i)}$]*
[(100 – 8/$FKA_{(i)}$)/(100 – 8/$FKA_{(j)}$]} [US$/ton]

Di mana:

- $HPB_{(j)}$ = HPB batubara selain batubara Price Marker [US$/ton]
- HPB Marker $_{(i)}$ = HPB batubara price marker (i) [US$/ton]
- $FKA_{(j)}$ = (((100-Kandungan Air Batubara)/(100 – Kandungan Air $Batubara_{(j)}$))*Kandungan Air $Batubara_{(j)}$)+ (100 – Kandungan Air Batubara)/100 [persen]
- $K_{(j)}$ / $K_{(i)}$ = Nilai Kalor Batubara (j) / Nilai Kalor Batubara (i) [fraksi]
- (i) = price marker 8
- (j) = batubara lain 68 – 70

Ketentuan :

1. Harga Batubara Acuan dan Harga Patokan Batubara diatas merupakan harga batubara untuk penjualan *spot* dalam periode 1 Januari 2013 sampai dengan 31 Januari 2013;
2. Dalam hal penjualan batubara dilakukan secara jangka tertentu (*term*), harga batubara mengacu pada rata-rata 3 (tiga) Harga Patokan Batubara terakhir pada bulan dimana dilakukan kesepakatan harga batubara, dengan fakor pengali 50% untuk Harga Patokan Batubara bulan terakhir, 30% untuk Harga Patokan Batubara satu bulan sebelumnya dan 20% untuk Harga Patokan Batubara dua bulan sebelumnya.

REKAPITULASI INFORMASI HARGA BATUBARA

BULAN	HBA (USD/ton)	MARKER							
		Gunung Bayan I 7000 kcal/kg (gar)	Prima Coal 6700 kcal/kg (gar)	Pinang Coal 6150 kcal/kg (gar)	Indominco IM East 5700 kcal/kg (gar)	Melawan Coal 5400 kcal/kg (gar)	Envirocoal 5000 kcal/kg (gar)	Jorong J-1 4400 kcal/kg (gar)	Ecocoal 4200 kcal/kg (gar)
2013									
Des 2013									
Nov 2013									
Okt 2013									
Sep 2013									
Ags 2013									
Juli 2013									
Juni 2013									
Mei 2013									
Apr 2013									
Mar 2013									
Feb 2013									
Jan 2013	87.55	94.03	93.55	84.40	71.55	68.60	64.02	51.58	46.99
Rata2	87.55	94.03	93.55	84.40	71.55	68.60	64.02	51.58	46.99
2012									
Des 2012	81.75	87.75	87.67	79.11	66.86	64.42	60.33	48.59	44.34
Nov 2012	81.44	87.41	87.36	78.83	66.61	64.20	60.13	48.43	44.19
Okt 2012	86.04	92.40	92.02	83.02	70.32	67.51	63.05	50.80	46.30
Sep 2012	86.21	92.58	92.19	83.17	70.46	67.63	63.16	50.89	46.38
Ags 2012	84.65	90.89	90.61	81.75	69.20	66.51	62.17	50.09	45.66
Juli 2012	87.56	94.04	93.56	84.40	71.55	68.60	64.02	51.58	47.00
Juni 2012	96.65	103.89	102.78	92.69	78.90	75.14	69.80	56.26	51.16
Mei 2012	102.12	109.81	108.32	97.67	83.33	79.08	73.28	59.07	53.66
Apr 2012	105.61	113.59	111.86	100.85	86.15	81.59	75.50	60.87	55.26
Mar 2012	112.87	121.46	119.22	107.47	92.02	86.81	80.12	64.60	58.58
Feb 2012	111.58	120.06	117.91	106.30	90.97	85.89	79.30	63.94	57.99
Jan 2012	109.29	117.58	115.59	104.21	89.12	84.24	77.84	62.76	56.94
Rata2	95.48	102.62	101.59	91.62	77.96	74.30	69.06	55.66	50.62
2011									
Des 2011	112.67	121.24	119.02	107.29	91.86	86.67	79.99	64.50	58.49
Nov 2011	116.65	125.55	123.05	110.92	95.07	89.53	82.53	66.55	60.31
Okt 2011	119.24	128.36	125.68	113.28	97.17	91.40	84.17	67.88	61.50
Sept 2011	116.26	125.13	122.65	110.56	94.76	89.25	82.28	66.35	60.13
Ags 2011	117.21	126.16	123.62	111.43	95.53	89.94	82.88	66.84	60.57
Juli 2011	118.24	127.27	124.66	112.37	96.36	90.68	83.54	67.37	61.04
Juni 2011	119.03	128.13	125.46	113.09	97.00	91.25	84.04	67.77	61.40
Mei 2011	117.61	126.59	124.02	111.79	95.85	90.22	83.14	67.04	60.75
Apr 2011	122.02	131.37	128.49	115.81	99.41	93.40	85.94	69.31	62.77
Mar 2011	122.43	132.01	127.71	115.03	99.56	92.29	84.12	67.89	61.23
Feb 2011	127.05	137.02	132.39	119.25	103.29	95.62	87.06	70.26	63.34
Jan 2011	112.40	121,15	117,54	105,89	91,45	85,08	77,74	62,73	56,64
Rata2	118.40	128.08	125.16	112.80	96.89	90.93	83.61	67.43	61.05
2010									
Des 2010	103.41	111.41	108.43	97.70	84.18	78.61	72.02	58.10	52.52
Nov 2010	95.51	102.85	100.42	90.50	77.79	72.92	67.00	54.04	48.90
Okt 2010	92.68	99.79	97.55	87.92	75.50	70.89	65.20	52.58	47.61
Sept 2010	90.05	96.94	94.88	85.52	73.38	68.99	63.53	51.23	46.41
Ags 2010	94.86	102.15	99.76	89.91	77.27	72.46	66.59	53.70	48.61
Juli 2010	96.65	104.09	101.58	91.54	78.71	73.74	67.72	54.62	49.43
Juni 2010	97.22	104.71	102.16	92.06	79.18	74.16	68.09	54.92	50.82
Mei 2010	92.07	99.13	96.93	87.36	75.01	70.45	64.81	52.27	48.41
Apr 2010	86.58	93.18	91.37	82.36	70.57	66.50	61.32	49.44	45.83
Mar 2010	86.64	93.25	91.43	82.41	70.62	66.54	61.36	49.47	45.86
Feb 2010	87.81	94.61	92.70	83.56	71.63	67.44	62.15	50.12	46.45
Jan 2010	77.39	83.22	82.05	73.98	63.14	59.88	55.47	44.71	41.51
Rata2	91.74	98.78	96.61	87.07	74.75	70.21	64.60	52.10	47.70