



PERATURAN PEMERINTAH REPUBLIK INDONESIA
NOMOR 45 TAHUN 2003
TENTANG
TARIF ATAS JENIS PENERIMAAN NEGARA BUKAN PAJAK
YANG BERLAKU PADA DEPARTEMEN ENERGI DAN
SUMBER DAYA MINERAL

PRESIDEN REPUBLIK INDONESIA,

Menimbang : bahwa untuk melaksanakan ketentuan Undang-undang Nomor 20 Tahun 1997 tentang Penerimaan Negara Bukan Pajak, dipandang perlu menetapkan Peraturan Pemerintah tentang Tarif Atas Jenis Penerimaan Negara Bukan Pajak yang Berlaku pada Departemen Energi dan Sumber Daya Mineral;

Mengingat : 1. Pasal 5 ayat (2) Undang-Undang Dasar 1945 sebagaimana telah diubah dengan Perubahan Keempat Undang-Undang Dasar 1945;

2. Undang-undang Nomor 11 Tahun 1967 tentang Ketentuan-ketentuan Pokok Pertambangan (Lembaran Negara Republik Indonesia Tahun 1967 Nomor 22, Tambahan Lembaran Negara Nomor 2831);
3. Undang-undang Nomor 20 Tahun 1997 tentang Penerimaan Negara Bukan Pajak (Lembaran Negara Republik Indonesia Tahun 1997 Nomor 43, Tambahan Lembaran Negara Nomor 3687);
44. Undang-undang Nomor 22 Tahun 2001 tentang Minyak dan Gas Bumi (Lembaran Negara Republik Indonesia Tahun 2001 Nomor 136, Tambahan Lembaran Negara Nomor 4152);
55. Peraturan Pemerintah Nomor 22 Tahun 1997 tentang Jenis dan Penyetoran Penerimaan Negara Bukan Pajak, (Lembaran Negara Republik Indonesia Tahun 1997 Nomor 57, Tambahan Lembaran Negara Nomor 3694) sebagaimana telah diubah dengan Peraturan Pemerintah Nomor 52 Tahun 1998 (Lembaran Negara Republik Indonesia Tahun 1998 Nomor 85, Tambahan Lembaran Negara Nomor 3759);

MEMUTUSKAN :

Menetapkan : PERATURAN PEMERINTAH TENTANG TARIF ATAS JENIS PENERIMAAN NEGARA BUKAN PAJAK YANG BERLAKU PADA DEPARTEMEN ENERGI DAN SUMBER DAYA MINERAL.

Pasal 1

- (1) Tarif atas Jenis Penerimaan Negara Bukan Pajak yang berlaku pada Departemen Energi dan Sumber Daya Mineral sebagaimana dimaksud dalam lampiran IIA Angka (8) Peraturan Pemerintah Nomor 22 Tahun 1997 tentang Jenis dan Penyetoran Penerimaan Negara Bukan Pajak sebagaimana telah diubah dengan Peraturan Pemerintah Nomor 52 Tahun 1998, adalah sebagaimana tercantum dalam Peraturan Pemerintah ini.
- (2) Jenis Penerimaan Negara Bukan Pajak yang berlaku pada Departemen Energi dan Sumber Daya Mineral berasal dari :
 - aPelayanan Jasa Bidang Geologi dan Sumber Daya Mineral;
 - bIuran Tetap/Landrent;
 - cIuran Eksplorasi/Iuran Eksploitasi/Royalty;
 - dDana Hasil Produksi Batubara;
 - eJasa Teknologi/Konsultasi Eksplorasi Mineral, Batubara, Panas Bumi dan Konservasi;
 - fJasa Teknologi Vulkanologi dan Mitigasi Bencana Geologi;
 - gPelayanan Jasa Bidang Minyak dan Gas Bumi;
 - hPelayanan Jasa Bidang Penelitian dan Pengembangan; dan
 - iPelayanan Jasa Bidang Pendidikan dan Pelatihan.

Pasal 2

Jenis Penerimaan Negara Bukan Pajak sebagaimana dimaksud dalam Pasal 1 mempunyai tarif dalam bentuk Rupiah, Dollar Amerika, Persentase.

Pasal 3

- (1) Besaran bagian Pemerintah atas penerimaan Dana Hasil Produksi Batubara dihitung berdasarkan Perjanjian Karya Pengusahaan Pertambangan Batubara (PKP2B).
- (2) Perjanjian Karya Pengusahaan Pertambangan Batubara (PKP2B) sebagaimana dimaksud dalam ayat (1) ditetapkan oleh Menteri Energi dan Sumber Daya Mineral setelah mendapat pertimbangan dari Menteri Keuangan.

Pasal 4

Terhadap pemegang Kuasa Pertambangan (KP) Penyelidikan Umum atau Kuasa Pertambangan (KP) Eksplorasi termasuk perpanjangannya untuk daerah-daerah Provinsi Nusa Tenggara Timur, Provinsi Maluku, Provinsi Maluku Utara, dan Provinsi Papua diberikan keringanan atas pembayaran Iuran

Tetap/Landrent sebesar 50% (lima puluh persen) dari tarif yang berlaku sebagaimana dimaksud dalam Lampiran Peraturan Pemerintah ini.

Pasal 5

- (1) Besarnya tarif atas Pelayanan Jasa Bidang Minyak dan Gas Bumi yang berupa Pengelolaan Data Survei Umum Minyak dan Gas Bumi, dan Jasa Pelayanan Pemanfaatan Data Minyak dan Gas Bumi ditetapkan berdasarkan kontrak.
- (2) Kontrak sebagaimana dimaksud dalam ayat (1) ditetapkan lebih lanjut oleh Menteri Energi dan Sumber Daya Mineral setelah mendapat persetujuan dari Menteri Keuangan.

Pasal 6

Besarnya tarif atas jenis Pelayanan Jasa Bidang Penelitian dan Pengembangan Energi dan Sumber Daya Mineral dihitung berdasarkan formula sebagai berikut :

a. Tarif atas Jasa Laboratorium : $T = T_d \times (A + B)$;

b. Tarif atas Jasa Penerapan Teknologi dihitung berdasarkan harga pasar yang berlaku wajar serta didasarkan pada dokumen yang dapat dipertanggungjawabkan dengan tarif setinggi-tingginya untuk :

1. Ahli Kepala US\$ 150/orang/jam
2. Ahli Madya US\$ 140/orang/jam
3. Ahli US\$ 130/orang/jam
4. Ahli Muda US\$ 120/orang/jam
5. Teknisi US\$ 100/orang/jam

Pasal 7

- (1) Besarnya tarif Pelayanan Jasa Bidang Pendidikan dan Pelatihan, dan pelayanan kegiatan sebagaimana dimaksud dalam angka I huruf B, C dan D Lampiran Peraturan Pemerintah ini, dihitung berdasarkan formula : $T = (1 + X) \times T_d$
- (2) Besaran komponen formula tarif sebagaimana dimaksud dalam ayat (1) ditetapkan lebih lanjut oleh Menteri Energi dan Sumber Daya Mineral setelah mendapat persetujuan dari Menteri Keuangan.

Pasal 8

Seluruh Penerimaan Negara Bukan Pajak yang berlaku pada Departemen Energi dan Sumber Daya Mineral wajib disetor langsung secepatnya ke Kas Negara.

Pasal 9

Tata cara pengenaan, pemungutan dan penyetoran Penerimaan Negara Bukan Pajak diatur lebih lanjut oleh Menteri Keuangan dengan memperhatikan pertimbangan dari Menteri Energi dan Sumber Daya Mineral.

Pasal 10

Tarif atas jenis Penerimaan Negara Bukan Pajak yang berlaku pada Departemen Energi dan Sumber Daya Mineral yang belum tercakup dalam Peraturan Pemerintah ini, akan disusulkan sebagai bagian yang tidak terpisahkan dalam Peraturan Pemerintah ini dan pencantuman-nya dilakukan dengan Peraturan Pemerintah tersendiri.

Pasal 11

Dengan berlakunya Peraturan Pemerintah ini, Peraturan Pemerintah Nomor 58 Tahun 1998 tentang Tarif atas Jenis Penerimaan Negara Bukan Pajak yang Berlaku pada Departemen Pertambangan dan Energi di Bidang Pertambangan Umum sebagaimana telah diubah dengan Peraturan Pemerintah Nomor 13 Tahun 2000, dinyatakan tidak berlaku.

Pasal 12

Peraturan Pemerintah ini mulai berlaku sejak tanggal diundangkan.

Agar setiap orang mengetahuinya, memerintahkan pengundangan Peraturan Pemerintah ini dengan penempatannya dalam Lembaran Negara Republik Indonesia.

Ditetapkan di Jakarta
pada tanggal 31 Juli 2003
PRESIDEN REPUBLIK INDONESIA,
ttd
MEGAWATI SOEKARNOPUTRI

Diundangkan di Jakarta
pada tanggal 31 Juli 2003
SEKRETARIS NEGARA REPUBLIK INDONESIA

ttd
BAMBANG KESOWO

Salinan sesuai dengan aslinya,
Deputi Sekretaris Kabinet
Bidang Hukum dan Perundang-undangan

Lambock V. Nahattands

PENJELASAN
ATAS
PERATURAN PEMERINTAH REPUBLIK INDONESIA
NOMOR 45 TAHUN 2003
TENTANG
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UMUM

Dalam rangka mengoptimalkan Penerimaan Negara Bukan Pajak guna menunjang Pembangunan Nasional Penerimaan Negara Bukan Pajak pada Departemen Energi dan Sumber Daya Mineral sebagai salah satu sumber penerimaan negara perlu dikelola dan dimanfaatkan untuk peningkatan pelayanan kepada masyarakat. Sehubungan dengan hal tersebut dan untuk memenuhi ketentuan Undang-undang Nomor 20 Tahun 1997 tentang Penerimaan Negara Bukan Pajak, perlu ditetapkan Peraturan Pemerintah tentang Tarif Atas Jenis Penerimaan Negara Bukan Pajak yang Berlaku pada Departemen Energi dan Sumber Daya Mineral.

PASAL DEMI PASAL

Pasal 1

Cukup jelas

Pasal 2

Cukup jelas

Pasal 3

Cukup jelas

Pasal 4

Cukup jelas

Pasal 5

Yang dimaksud dengan persetujuan Menteri Keuangan dalam ketentuan ini menyangkut besarnya tarif sebagaimana dimaksud dalam ayat (1).

Pasal 6

Huruf a

T = Tarif

Td = Tarif dasar adalah tarif sebagaimana tercantum dalam Lampiran Peraturan Pemerintah ini.

A = Pengguna jasa, dengan persentase tarif sebagai berikut :

- 1) Swasta Asing = 100% (seratus persen);
- 2) Swasta Nasional = 80% (delapan puluh persen);
- 3) BUMN/BUMD = 70% (tujuh puluh persen);
- 4) Pemerintah = 60% (enam puluh persen);
- 5) Perguruan Tinggi = 50% (lima puluh persen);
- 6) Intern Balitbang DESDM = 40% (empat puluh persen);
- 7) Mahasiswa = 30% (tiga puluh persen).

B = Aspek teknis dan lapangan

Apabila sampling atau survei lapangan :

1) Sukar :

- a) Akomodasi dan transportasi sudah tersedia = 0% (nol persen);
- b) Akomodasi dan transportasi belum tersedia = 10% (sepuluh persen).

2) Tidak Sukar

- a) Akomodasi dan transportasi sudah tersedia = -5% (minus lima persen);
- b) Akomodasi dan transportasi belum tersedia = 5% (lima persen).

Huruf b

Cukup jelas

Pasal 7

Ayat (1)

T = Tarif

X = Faktor untuk penyesuaian harga dasar dengan biaya yang seharusnya atas jasa yang diberi sesuai dengan kebutuhan dan perkembangan di lapangan (resiko).

Td = Tarif dasar adalah tarif sebagaimana tercantum dalam Lampiran Peraturan Pemerintah ini.

Ayat (2)

Cukup jelas

Pasal 8

Pengertian Kas Negara adalah sebagaimana dimaksud dalam Undang-undang Nomor 20 Tahun 1997
Penerimaan Negara Bukan Pajak.

Pasal 9

Cukup jelas

Pasal 10

Cukup jelas

Pasal 11

Cukup jelas

Pasal 12

Cukup jelas

PERATURAN PEMERINTAH REPUBLIK INDONESIA
NOMOR 45 TAHUN 2003
TANGGAL 31 JULI 2003

TARIF ATAS JENIS PENERIMAAN NEGARA BUKAN PAJAK YANG BERLAKU
PADA DEPARTEMEN ENERGI DAN SUMBER DAYA MINERAL

JENIS PENERIMAAN NEGARA BUKAN PAJAK	SATUAN	TARIF
I. Direktorat Jenderal Geologi dan Sumber Daya Mineral		
A. Sekretariat Direktorat Jenderal Geologi dan Sumber Daya Mineral		
1. Penerimaan dari Pelayanan Jasa Bidang Geologi dan Sumber Daya Mineral		
a. Jasa Pelayanan Penelusuran Informasi serta Perhitungan dan Penetapan Koordinat batas Wilayah Pertambangan		
1) Penelusuran informasi wilayah	Per 15 menit	Rp 100.000,00
2) Perhitungan dan penetapan koordinat batas wilayah dan penerbitan peta	Per blok	Rp 10.000.000,00
b. Jasa Pelayanan Pemberian Peta Informasi Wilayah Pertambangan dan/atau Peta Dokumen Perijinan		
1) Peta informasi ukuran A0	Per penerbitan	Rp 1.500.000,00
2) Peta informasi ukuran A1	Per penerbitan	Rp 1.000.000,00
3) Peta informasi ukuran A3	Per penerbitan	Rp 500.000,00
4) Peta untuk lampiran dokumen perijinan (3 eksemplar)	Per penerbitan	Rp 1.000.000,00
5) Peta digital wilayah pertambangan	Per penerbitan	Rp 2.000.000,00
c. Jasa Kompilasi dan Evaluasi Data Wilayah Eks Kuasa Pertambangan (KP), Kontrak Karya (KK), Perjanjian Karya Pengusahaan Pertambangan Batubara (PKP2B) dan Surat Ijin Penyelidikan Pendahuluan (SIPP) serta Jasa Kompensasi prioritasnya		
1) Non Batubara		
a) Kelas A		
(1) luas wilayah ≤ 2.000 ha	Per permohonan	Rp 50.000.000,00
(2) luas wilayah > 2.000 $\dot{\bar{c}}\frac{1}{2}$ 10.000 ha	Per permohonan	Rp 75.000.000,00
(3) luas wilayah > 10.000 $\dot{\bar{c}}\frac{1}{2}$ 50.000 ha	Per permohonan	Rp 100.000.000,00
(4) luas wilayah > 50.000 $\dot{\bar{c}}\frac{1}{2}$ 100.000 ha	Per permohonan	Rp 150.000.000,00
(5) luas wilayah > 100.000 ha	Per permohonan	Rp 200.000.000,00
b) Kelas B		
(1) luas wilayah ≤ 2.000 ha	Per permohonan	Rp 25.000.000,00
(2) Luas wilayah > 2.000 $\dot{\bar{c}}\frac{1}{2}$ 10.000 ha	Per permohonan	Rp 50.000.000,00
(3) luas wilayah > 10.000 $\dot{\bar{c}}\frac{1}{2}$ 50.000 ha	Per permohonan	Rp 75.000.000,00
(4) luas wilayah > 50.000 $\dot{\bar{c}}\frac{1}{2}$ 100.000 ha	Per permohonan	Rp 100.000.000,00
(5) luas wilayah > 100.000 ha	Per permohonan	Rp 150.000.000,00

2) Batubara

a) Kelas A

(1) luas wilayah ≤ 2.000 ha	Per permohonan	Rp	75.000.000,00
(2) luas wilayah > 2.000 i _c ½ 10.000 ha	Per permohonan	Rp	100.000.000,00
(3) luas wilayah > 10.000 i _c ½ 50.000 ha	Per permohonan	Rp	150.000.000,00
(4) luas wilayah > 50.000 i _c ½ 100.000 ha	Per permohonan	Rp	200.000.000,00
(5) luas wilayah > 100.000 ha	Per permohonan	Rp	250.000.000,00

b) Kelas B

(1) luas wilayah ≤ 2.000 ha	Per permohonan	Rp	25.000.000,00
(2) luas wilayah > 2.000 i _c ½ 10.000 ha	Per permohonan	Rp	50.000.000,00
(3) luas wilayah > 10.000 i _c ½ 50.000 ha	Per permohonan	Rp	75.000.000,00
(4) luas wilayah > 50.000 i _c ½ 100.000 ha	Per permohonan	Rp	100.000.000,00
(5) Luas wilayah > 100.000 ha	Per permohonan	Rp	150.000.000,00

d. Jasa Kompensasi Prioritas untuk Kompilasi dan Evaluasi data wilayah Eks Kuasa Pertambangan, Kontrak Karya, Perjanjian Karya Pengusahaan Pertambangan Batubara dan Ijin Penyelidikan Pendahuluan bagi Bahan Galian Non Batubara dan Batubara

1) luas wilayah ≤ 2.000 ha	Per permohonan	Rp	100.000.000,00
2) luas wilayah > 2.000 i _c ½ 10.000 ha	Per permohonan	Rp	200.000.000,00
3) luas wilayah > 10.000 i _c ½ 50.000 ha	Per permohonan	Rp	300.000.000,00
4) luas wilayah > 50.000 i _c ½ 100.000 ha	Per permohonan	Rp	400.000.000,00
5) luas wilayah > 100.000 ha	Per permohonan	Rp	500.000.000,00

2. Penerimaan dari Iuran Tetap/Landrent untuk Usaha Pertambangan Umum dalam rangka Kuasa Pertambangan

a. Penyelidikan Umum

1) Tahun ke I	Per ha/tahun	Rp	500,00
2) Tahun ke II	Per ha/tahun	Rp	1.000,00

b. Eksplorasi

1) Tahun ke I	Per ha/tahun	Rp	2.000,00
2) Tahun ke II	Per ha/tahun	Rp	2.500,00
3) Tahun ke III	Per ha/tahun	Rp	3.000,00

c. Perpanjangan Eksplorasi

1) Tahun ke I	Per ha/tahun	Rp	5.000,00
2) Tahun ke II	Per ha/tahun	Rp	7.000,00

d. Pembangunan Fasilitas Eksploitasi

1) Tahun ke I	Per ha/tahun	Rp	8.000,00
2) Tahun ke II	Per ha/tahun	Rp	8.000,00
3) Tahun ke III	Per ha/tahun	Rp	8.000,00

e. Eksploitasi

1) Tahap ke I untuk endapan laterit dan endapan permukaan (surface deporsits) yang meluas lainnya	Per ha/tahun	Rp	15.000,00
2) Tahap ke II untuk endapan primer dan endapan aluvial-aluvial.	Per ha/tahun	Rp	25.000,00

3. Penerimaan dari Iuran Tetap/Landrent untuk Usaha Pertambangan dalam rangka Kontrak Karya dan Perjanjian Karya Pengusahaan Pertambangan Batubara

a. Penyelidikan Umum

1) Tahun ke I	Per ha/tahun	US\$	0.05
2) Tahun ke II	Per ha/tahun	US\$	0.10

b. Eksplorasi

1) Tahun ke I	Per ha/tahun	US\$	0.20
2) Tahun ke II	Per ha/tahun	US\$	0.25
3) Tahun ke III	Per ha/tahun	US\$	0.30
4) Tahun ke IV	Per ha/tahun	US\$	0.50
5) Tahun ke V	Per ha/tahun	US\$	0.70

c. Studi Kelayakan (Feasibility Study)

1) Tahun ke I	Per ha/tahun	US\$	1.00
2) Tahun ke II	Per ha/tahun	US\$	1.00

d. Konstruksi

1) Tahun ke I	Per ha/tahun	US\$	1.00
2) Tahun ke II	Per ha/tahun	US\$	1.00
3) Tahun ke III	Per ha/tahun	US\$	1.00

e. Eksploitasi

1) Tahap ke I untuk endapan laterit dan endapan permukaan (surface deposits) yang meluas lainnya	Per ha/tahun	US\$	2.00
2) Tahap ke I untuk endapan primer dan endapan aluvial-aluvial.	Per ha/tahun	US\$	4.00

4. Penerimaan dari Iuran Eksplorasi/Iuran Eksploitasi/Royalty untuk Usaha Pertambangan dalam rangka Kuasa Pertambangan (KP), Kontrak Karya (KK), dan Perjanjian Karya Pengusahaan Pertambangan Batubara (PKP2B), dengan jenis mineral/bahan galian :

a. Batubara (Open Pit) dengan tingkat kalori (Kkal/kg, airdried basis) :

1) ≤ 5100	Per ton	3,00% dari harga jual
2) $> 5100 \text{ ; } \frac{1}{2} 6100$	Per ton	5,00% dari harga jual
3) > 6100	Per ton	7,00% dari harga jual

b. Batubara (Under ground) Tingkat Kalori (Kualitas) :

1) ≤ 5100	Per ton	2,00% dari harga jual
2) $> 5100 \text{ ; } \frac{1}{2} 6100$	Per ton	4,00% dari harga jual
3) > 6100	Per ton	6,00% dari harga jual

c. Gambut

Per ton 3,00% dari harga jual

d. Bijih Nikel (Garnieritik)

Per ton 5,00% dari harga jual

e. Bijih Nikel (Limonitik)

Per ton 4,00% dari harga jual

f. Kobal

Per ton 5,00% dari harga jual

g. Timah

Per ton 3,00% dari harga jual

h. Tembaga

Per ton 4,00% dari harga jual

i. Timbal	Per ton	3,00% dari harga jual
j. Seng	Per ton	3,00% dari harga jual
k. Besi	Per ton	3,00% dari harga jual
l. Emas	Per kg	3,75% dari harga jual
m. Perak	Per kg	3,25% dari harga jual
n. Platina	Per kg	3,75% dari harga jual
o. Air Raksa	Per kg	3,75% dari harga jual
p. Antimonit	Per kg	4,50% dari harga jual
q. Bismut	Per kg	4,50% dari harga jual
r. Wolfram	Per ton	4,50% dari harga jual
s. Vanadium	Per ton	4,50% dari harga jual
t. Molibdenit	Per ton	4,50% dari harga jual
u. Titan	Per ton	3,50% dari harga jual
v. Kromit	Per ton	3,50% dari harga jual
w. Monasit	Per ton	4,50% dari harga jual
x. Xenotin	Per ton	4,50% dari harga jual
y. Ilmenit	Per ton	2,50% dari harga jual
z. Zircon	Per ton	4,50% dari harga jual
aa. Rutil	Per ton	4,50% dari harga jual
bb. Pasir Besi	Per ton	3,75% dari harga jual
cc. Belerang	Per ton	3,50% dari harga jual
dd. Bauksit	Per ton	3,75% dari harga jual
ee. Mangaan	Per ton	3,25% dari harga jual
ff. Batuan Aspal	Per ton	3,75% dari harga jual
gg. Barit	Per ton	3,25% dari harga jual
hh. Yodium	Per ton	3,75% dari harga jual
ii. Kristal Kuarsa	Per ton	3,75% dari harga jual
jj. Pirit	Per ton	2,50% dari harga jual
kk. Intan	Per ton	6,50% dari harga jual

ll. Granit

1) Granit Blok	Per ton	4,00% dari harga jual
2) Granit Bubuk/Pecah	Per ton	3,00% dari harga jual

B. Direktorat Inventarisasi Sumber Daya Mineral

1. Jasa Teknologi/Konsultasi Eksplorasi Mineral, Batubara, Panas Bumi dan Konservasi

a. Penyelidikan / Eksplorasi

1) Penyelidikan umum, skala 1:100.000 s/d 1:250.000	Per km ²	Rp	150.000,00
2) Eksplorasi Pendahuluan, skala 1:50.000 s/d 1:100.000	Per km ²	Rp	400.000,00

3)	Eksplorasi Rinci, skala < 1:50.000	Per km ²	Rp	1.000.000,00
b.	Pemboran (Biaya Pengintian)			
1)	Mineral Logam	Per meter	Rp	400.000,00
2)	Batubara/ Mineral Non Logam	Per meter	Rp	300.000,00
2.	Jasa Perbantuan Tenaga Ahli			
a.	Senior Geologist/Geophysist	Per orang/hari	Rp	300.000,00
b.	Junior Geologist/Geophysist	Per orang/hari	Rp	200.000,00
c.	Surveyor	Per orang/hari	Rp	175.000,00
d.	Operator/Mekanik	Per orang/hari	Rp	150.000,00
e.	Senior Drilling	Per orang/hari	Rp	175.000,00
f.	Junior Drilling	Per orang/hari	Rp	150.000,00
3.	Jasa Penyelidikan Geofisika Mineral, Batubara dan Panas Bumi			
a.	Geolistrik			
1)	Penyelidikan Panas Bumi			
a)	Mapping/Titik Amat (AB/2=250,500,750, 1000 meter)	Per titik lokasi pengamatan	Rp	300.000,00
b)	Sounding/Titik Amat (AB/2=1.6 s/d 2000 meter)	Per titik lokasi pengamatan	Rp	900.000,00
2)	Penyelidikan Mineral			
a)	Mapping/Titik Amat (AB/2=50,100,200, 300, 400 dan 500 meter)	Per titik lokasi pengamatan	Rp	200.000,00
b)	Sounding/Titik Amat (AB/2=1.6 s/d 500 meter)	Per titik lokasi pengamatan	Rp	500.000,00
b.	Induced Polarisasi (IP)			
1)	Penyelidikan Mineral			
a)	Mapping/Km : Jarak antar titik ukur : 25 meter, Jarak antar elektroda : 25 meter atau 50 meter (M=5) (Waktu pekerjaan /hari = 300-400 meter).	Per km	Rp	4.500.000,00
b)	Mapping/Km (Jarak antar titik ukur : 50 meter, Jarak antar elektroda : 25 meter atau 50 meter (N=5) (Waktu pekerjaan /hari = 500-600 meter).	Per km	Rp	3.000.000,00
c.	Proton Magnetometer (Penyelidikan Mineral, Panas Bumi)			
1)	Penyelidikan Mineral, interval 25-50 meter, sepanjang lintasan maupun random	Per titik	Rp	100.000,00
2)	Penyelidikan Panas Bumi, interval 250-500 meter, sepanjang lintasan maupun random dan regional (Waktu pekerjaan 2,5-5 km/hari) (10 titik amat)	Per titik	Rp	500.000,00
d.	Gravimeter (Pekerjaan Survey Mineral , Panas Bumi)			
1)	Survey Mineral, interval 25-50 meter, sepanjang lintasan maupun random	Per meter	Rp	125.000,00

2) Survey Panas Bumi, interval 250-500 meter, sepanjang lintasan maupun random dan regional (Waktu pekerjaan 2 km/hari) (80 titik amat)	Per meter	Rp	600.000,00
e. Pekerjaan Survey Mineral & Panas Bumi			
1) Logging Mineral variasi kedalaman 50 - 250 meter, lubang bor minimal 5 buah	Per meter	Rp	25.000,00
2) Logging Panas Bumi variasi kedalaman 100-1500 meter, lubang bor minimal 1 buah	Per meter	Rp	60.000,00
f. CSAMT (Pekerjaan Survey Panas Bumi & Mineral Receiver : V4 (2 dan 6 Channel), Transmitter : IPT-1	Per set	Rp	2.000.000,00
4. Jasa Analisis Laboratorium Kimia, Fisika Mineral dan Batubara			
Laboratorium Kimia Mineral			
1) Analisis Bakar			
a) Preparasi Conto	Per sample	Rp	25.000,00
b) HNO ₃ 50% / AAS			
(1) Cu	Per unsur	Rp	10.000,00
(2) Pb	Per unsur	Rp	10.000,00
(3) Co	Per unsur	Rp	10.000,00
(4) Ni	Per unsur	Rp	10.000,00
(5) Mn	Per unsur	Rp	10.000,00
(6) Ag	Per unsur	Rp	10.000,00
c) HF / HClO ₄ / AAS			
(1) Cu	Per unsur	Rp	15.000,00
(2) Pb	Per unsur	Rp	15.000,00
(3) Co	Per unsur	Rp	15.000,00
(4) Ni	Per unsur	Rp	15.000,00
(5) Mn	Per unsur	Rp	15.000,00
(6) Ag	Per unsur	Rp	15.000,00
(7) Li	Per unsur	Rp	15.000,00
(8) K	Per unsur	Rp	15.000,00
(9) Fe	Per unsur	Rp	15.000,00
(10) Cr	Per unsur	Rp	20.000,00
(11) Ca	Per unsur	Rp	20.000,00
(12) Ba	Per unsur	Rp	20.000,00
(13) Rb	Per unsur	Rp	20.000,00
(14) Sr	Per unsur	Rp	20.000,00
(15) CD	Per unsur	Rp	20.000,00
(16) Mg	Per unsur	Rp	20.000,00
(17) Bi	Per unsur	Rp	20.000,00
(18) Na	Per unsur	Rp	20.000,00
d) Kalorimetri / ICP Mo	Per unsur	Rp	30.000,00
e) Kalorimetri / AAS Hidrir			
(1) Sb	Per unsur	Rp	25.000,00
(2) Sn	Per unsur	Rp	35.000,00
(3) As	Per unsur	Rp	40.000,00

f)	Kalorimetri			
	(1) V	Per unsur	Rp	25.000,00
	(2) W	Per unsur	Rp	25.000,00
g)	MIBK Extraction / AAS			
	Au	Per unsur	Rp	50.000,00
h)	Fire Assay/AAS			
	Au	Per unsur	Rp	125.000,00
i)	AAS/N2O/ICP			
	Al	Per unsur	Rp	30.000,00
j)	Spektro/ICP			
	Zr	Per unsur	Rp	40.000,00
k)	AAS/Hidrid			
	(1) Hg	Per unsur	Rp	60.000,00
	(2) Se	Per unsur	Rp	40.000,00
	(3) Te	Per unsur	Rp	40.000,00
l)	AAS/N2O			
	Ti	Per unsur	Rp	30.000,00
m)	ICP			
	(1) Be	Per unsur	Rp	45.000,00
	(2) In	Per unsur	Rp	45.000,00
	(3) Ce	Per unsur	Rp	45.000,00
	(4) Pr	Per unsur	Rp	45.000,00
	(5) Nd	Per unsur	Rp	45.000,00
	(6) Eu	Per unsur	Rp	45.000,00
	(7) Gd	Per unsur	Rp	45.000,00
	(8) Yb	Per unsur	Rp	45.000,00
	(9) Tm	Per unsur	Rp	45.000,00
	(10) Lu	Per unsur	Rp	45.000,00
	(11) Tb	Per unsur	Rp	45.000,00
	(12) Ho	Per unsur	Rp	45.000,00
	(13) Sm	Per unsur	Rp	45.000,00
	(14) La	Per unsur	Rp	45.000,00
	(15) Nb	Per unsur	Rp	45.000,00
	(16) Ta	Per unsur	Rp	45.000,00
	(17) Ga	Per unsur	Rp	45.000,00
	(18) Ge	Per unsur	Rp	45.000,00
	(19) Sc	Per unsur	Rp	45.000,00
2)	Analisis X-Ray			
a)	XRD Bulk	Per sample	Rp	60.000,00
b)	XRD Clay	Per sample	Rp	80.000,00
c)	XRF (SiO ₂ ; Al ₂ O ₃ ; CaO; MgO; MnO; TiO ₂ ; H ₂ O)	Per sample	Rp	120.000,00
3)	Analisis Konvensional			
Konvensional				
(1)	SiO ₂	Per sample	Rp	22.800,00
(2)	Al ₂ O ₃	Per sample	Rp	22.800,00
(3)	Fe ₂ O ₃	Per sample	Rp	22.800,00
(4)	CaO	Per sample	Rp	17.100,00

(5) MgO	Per sample	Rp	17.100,00
(6) TiO ₂	Per sample	Rp	17.100,00
(7) Na ₂ O	Per sample	Rp	17.100,00
(8) K ₂ O	Per sample	Rp	17.100,00
(9) FeO	Per sample	Rp	17.100,00
(10) P ₂ O ₅	Per sample	Rp	22.800,00
(11) SO ₃	Per sample	Rp	17.100,00
(12) BaO	Per sample	Rp	22.800,00
(13) Cr ₂ O ₃	Per sample	Rp	22.800,00
(14) H ₂ O ⁺	Per sample	Rp	14.200,00
(15) H ₂ O ⁻	Per sample	Rp	5.900,00
(16) HD	Per sample	Rp	5.900,00
(17) BV	Per sample	Rp	14.200,00
(18) BJ	Per sample	Rp	5.900,00
(19) pH	Per sample	Rp	5.900,00
(20) CO ₂	Per sample	Rp	40.000,00
(21) Cl ₂	Per sample	Rp	22.800,00
4) Analisa Batubara			
a) Preparasi/Sampel Preparation	Per sample	Rp	27.500,00
b) Proksimat/Proximate Analysis			
(1) Air Lembab/Air Dried Moisture (ASTM D.3173/BS 1016 Part 3 '73)	Per sample	Rp	50.000,00
(2) Abu/Ash (ASTM D.3174/BS 1016 Part 3 '73)	Per sample	Rp	10.000,00
(3) Zat Terbang/Volatile Matter (ASTM D.3175/BS 1016 Part 3 1/2'73)	Per sample	Rp	15.000,00
(4) Carbon Padat / Fixed Carbon (Dengan Perhitungan/By Difference)	Per sample	Rp	25.000,00
c) Analisa Ultimat/Ultimate Analysis			
(1) Carbon Total/Total Carbon (ASTM D.3178)	Per sample	Rp	280.000,00
(2) Hydrogen Total/Total Hydrogen (ASTM D.3178)	Per sample	Rp	70.000,00
(3) Nitrogen/Nitrogen (BS 1016 Part 6 1/2'77)	Per sample	Rp	70.000,00
(4) Belerang Total/Sulfur Total (ASTM D.3177/BS 1016 Part 6 1/2'77)	Per sample	Rp	70.000,00
(5) Oksigen/Oxygen (Dengan Perhitungan/By Difference)	Per sample	Rp	70.000,00
d) Nilai Kalor / Calorific Value (ASTM D.3286 atau D.2015)	Per sample	Rp	50.000,00
e) Bentuk Belerang / Form of Sulfur			
(1) Belerang Sulfat / Sulphate Sulphur	Per sample	Rp	120.000,00
(2) Belerang Pirit / Pyritic Sulphur (ASTM D.2492/BS 1016 Part 11 '77)	Per sample	Rp	50.000,00
(3) Belerang Organik / Organic Sulphur (Dengan Perhitungan/By Difference)	Per sample	Rp	70.000,00
f) Klor / Chlorine (BS 1016 Part 8 '77)	Per sample	Rp	75.000,00

g) Carbon Dioksida/Carbon Dioxide (BS 1016 Part 6i; 1/277)	Per sample	Rp	70.000,00
h) Sifat Ketergerusan/Hardgrove Grindability Index (ASTM D.409)	Per sample	Rp	70.000,00
i) Nilai Muai Bebas/Free Swelling Index (ASTM D.720)	Per sample	Rp	20.000,00
j) Berat Jenis sesungguhnya/True Specific Gravity	Per sample	Rp	15.000,00
k) Relative Density	Per sample	Rp	15.000,00
l) Bulk Density	Per sample	Rp	20.000,00
m) pH	Per sample	Rp	10.000,00
5) Laboratorium Fisika Mineral & Petrografi Batubara			
a) Preparasi Sample			
(1) Sayatan Tipis	Per sample	Rp	30.000,00
(2) Sayatan Poles	Per sample	Rp	40.000,00
(3) Sayatan untuk Fluid Inclusion	Per sample	Rp	40.000,00
(4) Pemolesan Batuan	Per cm ²	Rp	1.000,00
(5) Preparasi Mineral Butir	Per sample	Rp	30.000,00
b) Petrografi Buatan			
(1) Identifikasi Mineral	Per sample	Rp	100.000,00
(2) Deskripsi Petrografi	Per sample	Rp	150.000,00
(3) Deskripsi Petrography dilengkapi dengan Interpretasi Mineral Ubahan	Per sample	Rp	225.000,00
c) Petrografi Batubara			
(1) Analisa Maseral	Per sample	Rp	200.000,00
(2) Pengukuran Reflektan	Per sample	Rp	100.000,00
(3) Analisa Titik Leleh Abu Batubara	Per sample	Rp	200.000,00
d) Mineragrafi			
(1) Identifikasi Mineral	Per sample	Rp	100.000,00
(2) Deskripsi Petrografi Mineral Bijih dan Paragenesa Mineral Bijih	Per sample	Rp	150.000,00
(3) Deskripsi Petrografi Mineral Bijih dengan Interpretasi Mineralisasi	Per sample	Rp	225.000,00
e) Analisa Fluid Inclusion (Heating)	Per sample	Rp	200.000,00
f) Analisa Fluid Inclusion (Heating + Freezing)	Per sample	Rp	250.000,00
g) Pemeriksaan Konsentrat Dulang	Per sample	Rp	100.000,00
h) Pemeriksaan Sebaran Butir	Per sample	Rp	100.000,00
i) Pemeriksaan Sebaran Butir (Analisa Pasir Laut)	Per sample	Rp	175.000,00
j) Uji Fisik Batuan			
Kuat tekan & Berat Jenis	Per sample	Rp	275.000,00
k) Fotomikrografi (Photomicrography) Termasuk film, cuci dan cetak	Per lembar	Rp	10.000,00

5. Jasa Sistem Komputerisasi, Informasi dan Publikasi

a. Peta Hardprint

1)	Peta Potensi Sumber Daya Mineral, ukuran A3 per Kabupaten			
a)	Mineral Logam	Per lembar	Rp	70.000,00
b)	Mineral Non-Logam	Per lembar	Rp	70.000,00
c)	Batubara	Per lembar	Rp	70.000,00
2)	Peta Potensi Sumber Daya Mineral, ukuran A0 per Provinsi			
a)	Mineral Logam	Per lembar	Rp	350.000,00
b)	Mineral Non-Logam	Per lembar	Rp	350.000,00
c)	Batubara	Per lembar	Rp	350.000,00
b.	Peta Digital			
1)	Peta Potensi Sumber Daya Mineral per Kabupaten			
a)	Mineral Logam	Per CD	Rp	500.000,00
b)	Mineral Non-Logam	Per CD	Rp	500.000,00
c)	Batubara	Per CD	Rp	500.000,00
2)	Peta Potensi Sumber Daya Mineral per Provinsi			
a)	Mineral Logam	Per CD	Rp	3.500.000,00
b)	Mineral Non-Logam	Per CD	Rp	3.500.000,00
c)	Batubara	Per CD	Rp	3.500.000,00
3)	Peta Potensi Sumber Daya Mineral Pulau Sumatera			
a)	Mineral Logam	Per CD	Rp	12.000.000,00
b)	Mineral Non-Logam	Per CD	Rp	12.000.000,00
c)	Batubara	Per CD	Rp	12.000.000,00
4)	Peta Potensi Sumber Daya Mineral Pulau Jawa			
a)	Mineral Logam	Per CD	Rp	10.000.000,00
b)	Mineral Non-Logam	Per CD	Rp	10.000.000,00
c)	Batubara	Per CD	Rp	10.000.000,00
5)	Peta Potensi Sumber Daya Mineral Pulau Kalimantan			
a)	Mineral Logam	Per CD	Rp	12.000.000,00
b)	Mineral Non-Logam	Per CD	Rp	12.000.000,00
c)	Batubara	Per CD	Rp	12.000.000,00
6)	Peta Potensi Sumber Daya Mineral Pulau Sulawesi			
a)	Mineral Logam	Per CD	Rp	12.000.000,00
b)	Mineral Non-Logam	Per CD	Rp	12.000.000,00
c)	Batubara	Per CD	Rp	12.000.000,00
7)	Peta Potensi Sumber Daya Mineral Pulau Irian			
a)	Mineral Logam	Per CD	Rp	12.000.000,00
b)	Mineral Non-Logam	Per CD	Rp	12.000.000,00
c)	Batubara	Per CD	Rp	12.000.000,00
8)	Peta Geokimia Stream Sediman Pulau Sumatera	Per CD	Rp	8.500.000,00
9)	Peta Geokimia Stream Sediman Pulau Sulawesi	Per CD	Rp	8.000.000,00
c.	Layanan Jasa Digitasi			

1)	Digital peta line dan poligon layer/cm persegi	Per cm ² ½	Rp	300,00
2)	Digital peta point setiap layer/point	Per titik	Rp	100,00
3)	Pengisian Database/item record	Per record	Rp	2.000,00
6. Jasa Pemanfaatan Peralatan Teknik				
a. Jasa Pemanfaatan Alat Berat				
1)	Long Year 38 Truck Mounted (tanpa truck) + pompa	Per hari	Rp	450.000,00
2)	Long Year 38 Skid Mounted + pompa	Per hari	Rp	420.000,00
3)	Long Year 34 Truck Mounted (tanpa truck) + pompa	Per hari	Rp	340.000,00
4)	Long Year 24 + pompa	Per hari	Rp	250.000,00
5)	Tone THS 5 M Skid Mounted + pompa	Per hari	Rp	320.000,00
6)	Tone TOP 150 + pompa	Per hari	Rp	450.000,00
7)	Koken OE-8 + pompa	Per hari	Rp	250.000,00
8)	Koken SD III-C + pompa	Per hari	Rp	170.000,00
9)	Koken RK 3A Skid Mounted + pompa	Per hari	Rp	350.000,00
10)	Pekerjaan Pemboran Panas Bumi & Mineral (Bor Dalam) Drilling Machine Tone (Spindle Type), 300 HP, Capacity 1000 meter HQ	Per hari	Rp	10.000.000,00
b. Jasa Pemanfaatan Alat Ukur				
1)	Total Station	Per hari	Rp	165.000,00
2)	EDM	Per hari	Rp	75.000,00
3)	Theodolite	Per hari	Rp	20.000,00
4)	Water Pas	Per hari	Rp	10.000,00
5)	GPS	Per hari	Rp	30.000,00
c. Jasa Pemanfaatan Alat Geofisika				
1)	CSAMT	Per unit / hari	Rp	3.000.000,00
2)	Peralatan Survey Mineral (Alat IP Lengkap)	Per unit / hari	Rp	1.200.000,00
3)	Gravity/Gaya Berat (Alat Gravimeter Lengkap)	Per unit / hari	Rp	500.000,00
4)	Proton Magnetometer (Lengkap)	Per unit / hari	Rp	400.000,00
5)	Geologer/Logging (Alat Geologer Oyo 3030 Lengkap)	Per unit / hari	Rp	700.000,00
d. Jasa Pemanfaatan Alat Perbengkelan				
1)	Mesin Bubut Besar Daya 20 KW	Per jam	Rp	35.000,00
2)	Mesin Bubut Menengah Daya 5,5 KW	Per jam	Rp	25.000,00
3)	Mesin Bubut Menengah Daya 5 KW	Per jam	Rp	20.000,00
4)	Mesin Bubut Kecil Daya 0,75 KW	Per jam	Rp	15.000,00
5)	Mesin Mailing Daya 7,5 KW	Per jam	Rp	20.000,00
6)	Mesin Skrap Daya 3 KW	Per jam	Rp	15.000,00
7)	Mesin Las Tig 180 Daya 3 KW	Per jam	Rp	15.000,00
8)	Mesin Mig Daya 10 KW	Per jam	Rp	17.500,00
9)	Mesin Las Miller Daya 14 KW	Per jam	Rp	20.000,00
7. Jasa Pelayanan Umum				
Wisma Geologi				
1)	Kamar Standar			
a)	Pegawai DESDM	Per hari / orang	Rp	20.000,00

b) Non Pegawai DESDM	Per hari / orang	Rp	30.000,00
2) Kamar VIP II			
a) Pegawai DESDM	Per hari / orang	Rp	30.000,00
b) Non Pegawai DESDM	Per hari / orang	Rp	40.000,00
3) Kamar VIP I			
a) Pegawai DESDM	Per hari / orang	Rp	50.000,00
b) Non Pegawai DESDM	Per hari / orang	Rp	60.000,00
C. Direktorat Tata Lingkungan Geologi dan Kawasan Pertambangan			
1. Jasa Teknologi/Konsultasi			
a. Pemetaan dan Penyelidikan			
1) Penyelidikan dan Pemetaan Hidrogeologi 1: 100.000	Per km ²	Rp	50.000,00
2) Penyelidikan dan Pemetaan Hidrogeologi 1 : 50.000	Per km ²	Rp	150.000,00
3) Penyelidikan dan Pemetaan Hidrogeologi 1 : 25.000	Per km ²	Rp	500.000,00
4) Penyelidikan dan Pemetaan Geologi Teknik 1:100.000	Per km ²	Rp	50.000,00
5) Penyelidikan dan Pemetaan Geologi Teknik 1:50.000	Per km ²	Rp	150.000,00
6) Penyelidikan dan Pemetaan Geologi Teknik 1:25.000	Per km ²	Rp	500.000,00
7) Penyelidikan dan Pemetaan Geologi Lingkungan 1:100.000	Per km ²	Rp	50.000,00
8) Penyelidikan dan Pemetaan Geologi Lingkungan 1:50.000	Per km ²	Rp	150.000,00
9) Penyelidikan dan Pemetaan Geologi Lingkungan 1:25.000	Per km ²	Rp	300.000,00
10) Penyelidikan dan Pemetaan Geologi Kawasan Pertambangan 1:100.000	Per km ²	Rp	50.000,00
11) Penyelidikan dan Pemetaan Geologi Kawasan Pertambangan 1:50.000	Per km ²	Rp	150.000,00
12) Penyelidikan dan Pemetaan Geologi Kawasan Pertambangan 1:20.000	Per km ²	Rp	300.000,00
b. Jasa Teknologi/Konsultasi			
1) Jasa Teknologi penyadapan air tanah dangkal dan penurapan mata air	Per paket	Rp	100.000.000,00
2) Jasa Teknologi rekayasa dan rancang bangun konservasi air bawah tanah	Per paket	Rp	200.000.000,00
3) Jasa Teknologi pemantauan kualitas air tanah / air limbah	Per paket	Rp	200.000.000,00
4) Jasa Teknologi pemboran air tanah	Per paket	Rp	250.000.000,00
5) Jasa Teknologi pengujian dan analisis debit air tanah	Per paket	Rp	100.000.000,00
6) Jasa Teknologi eksplorasi sumberdaya air bawah tanah & model potensi air bawah tanah	Per paket	Rp	300.000.000,00

7) Jasa Teknologi pengujian sondir kapasitas 2,5 ton	Per titik	Rp	300.000,00
8) Jasa Teknologi pengujian sondir kapasitas 5,0 ton	Per titik	Rp	750.000,00
9) Jasa Teknologi pengujian sondir kapasitas 10,0 ton	Per titik	Rp	1.500.000,00
10) Jasa Teknologi pengujian SPT, dan pengambilan sample tanah	Per uji	Rp	75.000,00
11) Jasa Teknologi pemboran teknik dan pengujian langsung di lapangan	Per paket	Rp	251.250,00
12) Jasa Teknologi peyelidikan geoteknik pengembangan wilayah Kabupaten/Kota skala 1 : 50.000	Per paket	Rp	550.000.000,00
13) Jasa Teknologi penyelidikan geoteknik tapak TPA industri	Per paket	Rp	150.000.000,00
14) Jasa Teknologi penyelidikan geoteknik tapak TPA perkotaan	Per paket	Rp	100.000.000,00
15) Jasa Teknologi penyelidikan geoteknik tapak perumahan, kawasan industri dan perkantoran skala 1:20.000	Per paket	Rp	250.000.000,00
16) Jasa Teknologi dan Konsultasi konstruksi perkuatan lereng longsoran	Per paket	Rp	150.000.000,00
17) Jasa Teknologi perencanaaan dan rancang bangun geologi teknik	Per paket	Rp	500.000.000,00
18) Jasa Teknologi dan Kajian lingkungan tapak limbah perkotaan	Per paket	Rp	150.000.000,00
19) Jasa Teknologi dan kajian lingkungan tapak limbah industri	Per paket	Rp	250.000.000,00
20) Jasa Teknologi dan kajian lingkungan pertambangan dan sumberdaya alam	Per paket	Rp	150.000.000,00
21) Jasa Teknologi dan kajian lingkungan pengembangan wilayah (tata ruang).	Per paket	Rp	100.000.000,00
22) Jasa Teknologi dan Kajian lingkungan tapak limbah pertambangan (tailing).	Per paket	Rp	150.000.000,00
23) Jasa Teknologi dan Kajian lingkungan tapak limbah pertambangan (penimbunan tanah penutup).	Per paket	Rp	150.000.000,00
24) Jasa Teknologi dan Kajian lingkungan tapak pasca tambang	Per paket	Rp	150.000.000,00
25) Jasa Teknologi dan Kajian Rehabilitasi / Reklamasi tapak pasca tambang	Per paket	Rp	150.000.000,00
2. Jasa Perbantuan Tenaga Ahli/Teknisi			
a. Jasa Perbantuan Tenaga Ahli			
1) Ahli Geologi Tata Lingkungan Senior	Per hari	Rp	300.000,00
2) Ahli Geologi Tata Lingkungan Yuniior	Per hari	Rp	200.000,00
3) Analis Laboratorium Senior	Per hari	Rp	300.000,00
4) Analis Laboratorium Yuniior	Per hari	Rp	200.000,00
b. Jasa Perbantuan Tenaga Teknisi/Surveyor			

1)	Teknisi Juru Bor (Bor Master) Senior	Per hari	Rp	175.000,00
2)	Teknisi Juru Bor (Bor Master) Yuniior	Per hari	Rp	150.000,00
3)	Teknisi Juru Sondir Senior	Per hari	Rp	175.000,00
4)	Teknisi Juru Sondir Yuniior	Per hari	Rp	150.000,00
5)	Teknisi Juru Ukur (Surveyor) Senior	Per hari	Rp	175.000,00
6)	Teknisi Juru Ukur (Surveyor) Yuniior	Per hari	Rp	150.000,00
7)	Operator Truck Crane Senior	Per hari	Rp	150.000,00
8)	Operator Truck Crane Yuniior	Per hari	Rp	130.000,00
9)	Pengemudi Truck Mounted (SIM B2) Senior	Per hari	Rp	130.000,00
10)	Pengemudi Truck Mounted (SIM B2) Yuniior	Per hari	Rp	110.000,00
11)	Operator Geofisik Senior	Per hari	Rp	150.000,00
12)	Operator Geofisik Yuniior	Per hari	Rp	130.000,00
13)	Operator Komputer Senior	Per hari	Rp	150.000,00
14)	Operator Komputer Yuniior	Per hari	Rp	130.000,00
15)	Laboran Senior	Per hari	Rp	150.000,00
16)	Laboran Yuniior	Per hari	Rp	130.000,00
3.	Penyelidikan Jasa Geofisika			
a.	Pendugaan Geolistrik Mapping	Per titik	Rp	200.000,00
b.	Pendugaan Geolistrik Sounding	Per titik	Rp	500.000,00
c.	Pengujian Logging Per Sumur Dalam (75 - 150 m)	Per paket	Rp	5.000.000,00
d.	Pengujian Logging Per Sumur Dalam (150 - 300 m)	Per paket	Rp	20.000.000,00
e.	Pengujian Borehole Camera	Per paket	Rp	6.000.000,00
4.	Jasa Analisis Laboratorium			
a.	Air minum/air bersih/badan air : fisika-kimia, terdiri dari unsur :			
1)	Kekeruhan	Per uji	Rp	5.000,00
2)	Warna	Per uji	Rp	5.000,00
3)	Bau	Per uji	Rp	2.500,00
4)	Rasa	Per uji	Rp	2.500,00
5)	Daya Hantar Listrik	Per uji	Rp	5.000,00
6)	pH	Per uji	Rp	5.000,00
7)	Kesadahan	Per uji	Rp	7.500,00
8)	Kalsium (Ca ⁺²)	Per uji	Rp	7.500,00
9)	Magnesium (Mg ⁺²)	Per uji	Rp	5.000,00
10)	Besi (Fe ⁺³)	Per uji	Rp	15.000,00
11)	Mangan (Mn ⁺²)	Per uji	Rp	15.000,00
12)	Kalium (K ⁺)	Per uji	Rp	5.000,00
13)	Natrium (Na ⁺)	Per uji	Rp	5.000,00
14)	Litium (Li ⁺)	Per uji	Rp	5.000,00
15)	Karbonat (CO ₃ ⁻²)	Per uji	Rp	7.500,00
16)	Bikarbonat (HCO ₃ ⁻)	Per uji	Rp	7.500,00
17)	Karbon dioksida (CO ₂)	Per uji	Rp	7.500,00
18)	Klorida (Cl ⁻)	Per uji	Rp	20.000,00
19)	Sulfat (SO ₄ ⁻²)	Per uji	Rp	7.500,00
20)	Nitrogen-Nitrit (N-NO ₂ ⁻)	Per uji	Rp	7.500,00
21)	Nitrogen-Nitrat (N-NO ₃ ⁻)	Per uji	Rp	20.000,00
22)	Silika (SiO ₂)	Per uji	Rp	17.500,00

23) Zat organik	Per uji	Rp	10.000,00
24) Zat padat terlarut (TDS)	Per uji	Rp	5.000,00
b. Bakteri Coli	Per uji	Rp	100.000,00
c. Plankton	Per uji	Rp	25.000,00
d. Logam berat dalam air :			
1) Tembaga (Cu)	Per uji	Rp	15.000,00
2) Timbal (Pb)	Per uji	Rp	15.000,00
3) Seng (Zn)	Per uji	Rp	15.000,00
4) Krom (Cr)	Per uji	Rp	15.000,00
5) Kobalt (Co)	Per uji	Rp	15.000,00
6) Nikel (Ni)	Per uji	Rp	15.000,00
7) Alumunium (Al)	Per uji	Rp	15.000,00
8) Selenium (Se)	Per uji	Rp	30.000,00
9) Raksa (Hg)	Per uji	Rp	50.000,00
10) Arsen (As)	Per uji	Rp	40.000,00
e. Logam berat dalam lumpur :			
1) Tembaga (Cu)	Per uji	Rp	20.000,00
2) Timbal (Pb)	Per uji	Rp	20.000,00
3) Seng (Zn)	Per uji	Rp	20.000,00
4) Krom (Cr)	Per uji	Rp	20.000,00
5) Kobalt (Co)	Per uji	Rp	20.000,00
6) Nikel (Ni)	Per uji	Rp	20.000,00
7) Alumunium (Al)	Per uji	Rp	20.000,00
8) Selenium (Se)	Per uji	Rp	35.000,00
9) Raksa (Hg)	Per uji	Rp	55.000,00
10) Arsen (As)	Per uji	Rp	45.000,00
f. Limbah :			
1) Kebutuhan Oksigen Biologi/KOB/BOD	Per uji	Rp	25.000,00
2) Kebutuhan Oksigen Kimia/KOK/COD	Per uji	Rp	50.000,00
3) Senyawa organik halogen (AOX-air)	Per uji	Rp	250.000,00
4) Senyawa organik halogen (AOX-lumpur)	Per uji	Rp	300.000,00
5) Phenol	Per uji	Rp	25.000,00
6) Fluor	Per uji	Rp	15.000,00
7) Boron	Per uji	Rp	15.000,00
g. Mekanika Tanah :			
1) Kadar air (water content)	Per uji	Rp	10.000,00
2) Berat jenis (specific gravity)	Per uji	Rp	10.000,00
3) Berat isi asli/kering/jenuh (unit weight)	Per uji	Rp	10.000,00
4) Porositas, angka pori, derajat kejenuhan	Per uji	Rp	10.000,00
5) Atterberg limits	Per uji	Rp	30.000,00
6) Shrinkage limit	Per uji	Rp	30.000,00
7) Analisa besar butir	Per uji	Rp	40.000,00
8) Permeability	Per uji	Rp	30.000,00
9) Kuat tekan (uniaxial test)	Per uji	Rp	40.000,00
10) Direct Sear Test	Per uji	Rp	75.000,00

11) Triaxial Test (UU)	Per uji	Rp	75.000,00
12) Triaxial Test (CU)	Per uji	Rp	150.000,00
13) Konsolidasi	Per uji	Rp	200.000,00
14) Kompaksi standard	Per uji	Rp	100.000,00
15) Kompaksi modified	Per uji	Rp	125.000,00
16) CBR : Direct	Per uji	Rp	50.000,00
17) CBR : Unsoaked	Per uji	Rp	125.000,00
18) CBR : Soaked	Per uji	Rp	175.000,00

h. Mekanika Batuan

1) Schmidt Hammer Hardnest Test	Per uji	Rp	20.000,00
2) Point Load Test	Per uji	Rp	50.000,00
3) Basic Physical Properties	Per uji	Rp	60.000,00
4) Ultrasonic Velocity Test	Per uji	Rp	60.000,00
5) Rock Triaxial Compressive Test	Per uji	Rp	100.000,00
6) Slake Durability Test	Per uji	Rp	80.000,00
7) Los Angeles Abrasion Test	Per uji	Rp	80.000,00
8) Soundness Test	Per uji	Rp	80.000,00
9) Permeability Test	Per uji	Rp	60.000,00
10) Direct Shear Test	Per uji	Rp	80.000,00
11) Brazilian Test / Tensile Strength	Per uji	Rp	60.000,00
12) Unconfined Compressive Strength(Rock/ Concrete Compression Test)	Per uji	Rp	60.000,00

5. Jasa Sistem Komputerisasi, Informasi dan Publikasi

a. Jasa Pengolahan

1) Jasa pengolahan data informasi untuk pengembangan potensi air tanah	Per paket	Rp	20.000.000,00
2) Jasa pengolahan data informasi untuk penyelidikan geologi teknik	Per paket	Rp	20.000.000,00
3) Jasa pengolahan data informasi untuk penyelidikan bencana geologi	Per paket	Rp	10.000.000,00
4) Jasa pengolahan data informasi untuk pengembangan wilayah perkotaan/daerah	Per paket	Rp	10.000.000,00
5) Jasa pengolahan data informasi untuk pengembangan wilayah pertambangan	Per paket	Rp	10.000.000,00
6) Jasa pengolahan citra satelit (<i>image processing</i>) untuk pemantauan daerah pertambangan, migas, serta pengembangan wilayah	Per paket	Rp	10.000.000,00

b. Jasa Peta Digitasi

1) Peta Hidrogeologi satu Kabupaten	Per lembar	Rp	500.000,00
2) Peta Geologi Teknik satu Kabupaten	Per lembar	Rp	500.000,00
3) Peta Geologi Lingkungan	Per lembar	Rp	500.000,00
4) Peta Lingkungan Pertambangan	Per lembar	Rp	500.000,00

c. Jasa Layanan Digitasi

1) Digitasi peta line dan poligon setiap layer/cm persegi	Per cm ²	Rp	300,00
2) Digitasi peta point setiap layer/point	Per titik	Rp	100,00
3) Pengisian Data Base item record	Per record	Rp	2.000,00

6. Jasa Pemanfaatan Peralatan Teknik

a. Alat Berat

1) Mesin Bor Teknik Kecil kurang dari 60 meter	Per hari	Rp	170.000,00
2) Mesin Bor Teknik Besar lebih dari 60 meter	Per hari	Rp	250.000,00
3) Mesin Bor Air Skidmounted kurang dari 150 m	Per hari	Rp	350.000,00
4) Mesin Bor Air Truckmounted lebih dari 150 m	Per hari	Rp	1.700.000,00
5) Crane Truck	Per hari	Rp	1.000.000,00
6) Forkliff	Per hari	Rp	30.000,00
7) Sondir Kapasitas 2,5 ton	Per hari	Rp	30.000,00
8) Sondir Kapasitas 5,0 ton	Per hari	Rp	150.000,00
9) Sondir Kapasitas 10 ton	Per hari	Rp	200.000,00
10) Compresor Kecil	Per hari	Rp	400.000,00
11) Compresor Besar	Per hari	Rp	750.000,00

b. Alat survai

1) Alat Ukur Total Station	Per hari	Rp	150.000,00
2) Alat Ukur EDM	Per hari	Rp	100.000,00
3) Alat Ukur Theodolite (To)	Per hari	Rp	50.000,00
4) GPS (Hand Held)	Per hari	Rp	10.000,00

c. Alat Geofisika

1) Bore Hole Camera	Per hari	Rp	5.000.000,00
2) Well Logging	Per hari	Rp	1.500.000,00
3) Geoseismik	Per hari	Rp	4.000.000,00
4) Geolistrik	Per hari	Rp	200.000,00

7. Jasa Pelayanan Umum

a. Pemakaian Gudang/Ruangan

1) Gudang / Ruang Jalan Jakarta - Bandung	Per gudang/bulan	Rp	10.000.000,00
2) Gudang Jalan Cimindi - Bandung	Per gudang/bulan	Rp	10.000.000,00
3) Ruang Kantor Jalan Cimindi - Bandung	Per kantor/bulan	Rp	5.000.000,00
4) Gudang Jalan Tongkol - Jakarta	Per gudang/bulan	Rp	15.000.000,00

b. Pelayanan Alat Perbengkelan Geologi

1) Mesin Bubut CNC Okuma besar > 6 meter	Per alat/Jam	Rp	100.000,00
2) Mesin Milling CNC Okuma besar > 6 meter	Per alat/Jam	Rp	100.000,00
3) Mesin Bubut Besar pipa > 6 meter	Per alat/Jam	Rp	50.000,00
4) Mesin Skrap	Per alat/Jam	Rp	15.000,00
5) Mesin Las	Per alat/Jam	Rp	15.000,00

D. Direktorat Vulkanologi dan Mitigasi Bencana Geologi

1. Jasa Teknologi Vulkanologi dan Mitigasi Bencana Geologi

a. Jasa Teknologi KeGunung apian			
1) Penyelidikan dan Pemetaan Geologi Gunung api skala 1:50.000	Per km ² ½	Rp	120.000,00
2) Penyelidikan dan Pemetaan Potensi Bahaya Gunung api skala 1:50.000	Per km ² ½	Rp	85.000,00
3) Penyelidikan Potensi Wisata Gunung api skala 1:50.000	Per km ² ½	Rp	70.000,00
4) Penyelidikan Deformasi Metoda Levelling skala 1:25.000	Per titik	Rp	1.135.000,00
5) Penyelidikan Deformasi Metoda Electronic Distance Measurements (EDM) skala 1:25.000	Per titik	Rp	1.125.000,00
6) Penyelidikan Deformasi Metoda Global Positioning System (GPS) skala 1:50.000	Per titik	Rp	2.945.000,00
7) Penyelidikan Kebumihan Metoda Potensial Diri (Self Potensial) skala 1:50.000	Per titik	Rp	135.000,00
8) Penyelidikan Geolistrik skala 1:25.000	Per km lintasan	Rp	50.000.000,00
9) Penyelidikan Seismik Refleksi skala 1:25.000	Per km Lintasan	Rp	15.000.000,00
b. Jasa Teknologi Gerakan Tanah dan Kegempaan			
1) Penyelidikan dan Pemetaan Kerentanan Gerakan Tanah skala 1:100.000	Per km ²	Rp	70.000,00
2) Penyelidikan Mikroseismik skala 1:50.000	Per titik	Rp	290.000,00
3) Penyelidikan Sesar Aktif skala 1:250.000	Per hari	Rp	750.000,00
4) Penyelidikan Mikrozonasi skala 1:25.000	Per km ²	Rp	88.000.000,00
5) Penyelidikan Geolistrik skala 1:50.000	Per km ²	Rp	42.000.000,00
6) Penyelidikan Mikrogravity skala 1:50.000	Per titik	Rp	205.000,00
2. Jasa Perbantuan Tenaga Ahli/Teknisi/Surveyor			
1) Ahli Vulkanologi Senior	Per hari	Rp	300.000,00
2) Ahli Vulkanologi Yuniior	Per hari	Rp	200.000,00
3) Ahli Geofisika Senior	Per hari	Rp	300.000,00
4) Ahli Geofisika Yuniior	Per hari	Rp	200.000,00
5) Ahli Geodesi Senior	Per hari	Rp	300.000,00
6) Ahli Geodesi Yuniior	Per hari	Rp	200.000,00
7) Analis Laboratorium Senior	Per hari	Rp	300.000,00
8) Analis Laboratorium Yuniior	Per hari	Rp	200.000,00
9) Teknisi Juru Bor (Bor Master) Senior	Per hari	Rp	175.000,00
10) Teknisi Juru Bor (Bor Master) Yuniior	Per hari	Rp	150.000,00
11) Teknisi Juru Ukur (Surveyor) Senior	Per hari	Rp	175.000,00
12) Teknisi Juru Ukur (Surveyor) Yuniior	Per hari	Rp	150.000,00
13) Operator Geofisik Senior	Per hari	Rp	150.000,00
14) Operator Geofisik Yuniior	Per hari	Rp	130.000,00
15) Operator Komputer Senior	Per hari	Rp	150.000,00
16) Operator Komputer Yuniior	Per hari	Rp	130.000,00
3. Jasa Analisis Laboraturium			
Analisis gas	Per sample	Rp	675.000,00

4. Jasa Sistem Komputerisasi, Informasi dan Publikasi

a. Jasa Pengolahan

1) Jasa Pengolahan Data Informasi untuk Bencana Tanah Longsor	Per paket	Rp	20.000.000,00
2) Jasa Pengolahan Data Informasi untuk Bencana Gempa Bumi	Per paket	Rp	20.000.000,00
3) Jasa Pengolahan Data Informasi untuk Bencana Letusan Gunung api	Per paket	Rp	20.000.000,00
4) Jasa Pengolahan Data Informasi untuk Rencana Umum Tata Ruang dan Wilayah	Per paket	Rp	10.000.000,00

b. Jasa Peta Digitasi

1) Peta Geologi Gunung api	Per lembar	Rp	20.000.000,00
2) Peta Kawasan Rawan Bencana Gunung api	Per lembar	Rp	20.000.000,00
3) Peta Kerentanan Gerakan Tanah	Per lembar	Rp	20.000.000,00

5. Jasa Pemanfaatan Peralatan Teknik

Peralatan Teknik :

1) Mikro Gravity	Per hari	Rp	500.000,00
2) Geolistrik	Per hari	Rp	200.000,00
3) Alat Ukur Total Station	Per hari	Rp	150.000,00
4) Alat Ukur EDM	Per hari	Rp	100.000,00
5) Alat Ukur Theodolit	Per hari	Rp	50.000,00
6) Waterpass	Per hari	Rp	10.000,00
7) GPS Tangan	Per hari	Rp	10.000,00

6. Jasa Pelayanan Umum

Jasa Pemanfaatan Auditorium

1) Auditorium Lantai Atas			
a) Seminar :			
(1) Lingkungan DESDM	Per hari	Rp	750.000,00
(2) Umum	Per hari	Rp	1.500.000,00
b) Resepsi :			
(1) Karyawan dan Pensiunan	Per hari	Rp	3.500.000,00
(2) Umum	Per hari	Rp	5.000.000,00
2) Auditorium Lantai Bawah			
a) Seminar :			
(1) Lingkungan DESDM	Per hari	Rp	500.000,00
(2) Umum	Per hari	Rp	1.000.000,00
b) Resepsi :			
(1) Karyawan dan Pensiunan	Per hari	Rp	2.250.000,00
(2) Umum	Per hari	Rp	3.500.000,00

II. DIREKTORAT JENDERAL MINYAK DAN GAS BUMI

Penerimaan Dari Pelayanan Jasa Bidang Minyak Dan Gas Bumi (Migas)

Jasa informasi potensi wilayah kerja Migas	Per paket	US\$	5,000.00
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III. BADAN PENELITIAN DAN PENGEMBANGAN ENERGI DAN SUMBER DAYA MINERAL

A. Pusat Penelitian Dan Pengembangan Teknologi Minyak dan Gas Bumi $\frac{1}{2}$ LEMIGAS $\frac{1}{2}$

1. EKSPLORASI

a. Biostratigrafi

1) Preparasi Sampel

a) Splitting of unwashed samples	Per split	US\$	2.00
b) Washing of unoily samples	Per sample	US\$	5.00
c) Washing of oily samples	Per sample	US\$	7.50
d) Picking	Per sample	US\$	12.50
e) Nannoplankton	Per sample	US\$	10.00
f) Palynology	Per sample	US\$	30.00
g) Micropaleontology (Foraminiferal analysis)	Per feet	US\$	3.00
h) Micropaleontology (Foraminiferal analysis)	Per meter	US\$	10.00
i) Calcareous Nannoplankton	Per feet	US\$	4.00
j) Calcareous Nannoplankton	Per meter	US\$	14.00
k) Palynology (samples analysed every 90 ft or 30 m)	Per feet	US\$	5.00
l) Palynology (samples analysed every 90 ft or 30 m)	Per meter	US\$	17.50
m) Combined foraminiferal and nannoplankton Analyses	Per feet	US\$	6.50
n) Combined foraminiferal and nannoplankton Analyses	Per meter	US\$	21.00
o) Combined foraminiferal and palynological Analyses	Per feet	US\$	7.50
p) Combined foraminiferal and palynological Analyses	Per meter	US\$	24.00
q) Comprehensive biostratigraphic analysis (including Foraminiferal, nannoplankton and palynological studies Required for optimal biostratigraphic control)	Per feet	US\$	10.00

r)	Comprehensive biostratigraphic analysis (including Foraminiferal, nannoplankton and palynological studies Required for optimal biostratigraphic control)	Per meter	US\$	32.00
2)	Sampel Spot (Sampel Singkapan Sampel Sumur Terpilih)			
a)	Micropaleontology (Foraminifera)	Per sample	US\$	50.00
b)	Larger Foraminifera	Per sample	US\$	55.00
c)	Calcareous Nannoplankton	Per sample	US\$	60.00
d)	Palynology (Qualitative assesment)	Per sample	US\$	160.00
e)	Palynology (Quantitative assesment)	Per sample	US\$	225.00
3)	Analisis Data Dasar Absolut Sr			
a)	Fast turn around: 4 weeks	Per sample	US\$	560.00
b)	6 weeks turn around	Per sample	US\$	350.00
b.	Petroleum Geochemistry Initial Sample Preparation			
1)	Additional Paper Copies (Each analysis price includes three paper copies)	Per Copy	US\$	250.00
2)	Additional Digital Copy on CD-ROM or Floppy Disk (in PDF format)	Per sample	US\$	250.00
3)	Geokimia LEMIGAS			
a)	Geochemist	Per hari	US\$	500.00
b)	Technician	Per hari	US\$	200.00
4)	Geokimia Tenaga Asing			
	Expatriate Geochemist	Per hari	US\$	900.00
c.	Evaluasi Source Rock			
1)	Preparasi Sample Source Rock			
a)	Registration of Samples	Per sample	US\$	2.00
b)	Washing of Samples	Per sample	US\$	3.00
c)	Washing of Samples, where organic mud additives have been used	Per sample	US\$	50.00
d)	Washing of Samples with OBM	Per sample	US\$	30.00
e)	Lithology Description	Per sample	US\$	5.00
f)	Hand-picking of Separate Lithologies for Screening Analysis (1-2 mm cuttings)	Per sample	US\$	5.00
g)	Surcharge for Picking Lithologies from cuttings <1 mm	Per sample	US\$	5.00
h)	Hand-picking of cuttings for Iatrosan Analysis	Per sample	US\$	8.00

i)	Hand-picking of cuttings for Extraction	Per sample	US\$	8.00
j)	Isolation of Kerogen from Source Rock Samples	Per sample	US\$	35.00
k)	Preparation of slides/mounting for Vitrinite Reflectance Measurements	Per sample	US\$	25.00
2)	Analisa Screening Source Rock			
a)	Hydrocarbon in Headspace Gas	Per sample	US\$	35.00
b)	Hydrocarbon in cutting gas (Occluded Gas)	Per sample	US\$	48.00
c)	Total Organic Carbon (TOC) (using LECO)	Per sample	US\$	20.00
d)	Total Carbon Content (TC) (using LECO)	Per sample	US\$	15.00
e)	Carbonate Content (Calculated from TOC and TC)	Per sample	US\$	35.00
f)	Sulphur Content (using LECO)	Per sample	US\$	45.00
g)	Rock-Eval	Per sample	US\$	50.00
3)	Analisa Follow-Up Source Rock			
a)	Detailed C ₄ -C ₇ Hydrocarbon Determination	Per sample	US\$	100.00
b)	Thermal Extraction GC (by GHM)	Per sample	US\$	125.00
c)	Pyrolysis GC (by GHM)	Per sample	US\$	125.00
d)	Combination of R.GC-302 and R.GC-303 (by GHM)	Per sample	US\$	200.00
e)	Extraction of Organic Matter by Soxhlet	Per sample	US\$	40.00
f)	Separation of asphaltenes from the extract	Per sample	US\$	35.00
g)	Separation of EOM by Column Chromatography	Per sample	US\$	30.00
h)	Iatroscan analysis	Per sample	US\$	50.00
i)	Capillary GC of Saturated Hydrocarbon Fraction	Per sample	US\$	85.00
j)	Capillary GC of Aromatic Hydrocarbon Fraction (FID only)	Per sample	US\$	85.00
k)	Kerogen Typing by Microscopy (Including kerogen isolation)	Per sample	US\$	50.00
l)	Kerogen maturation by Spore Coloration (TAI/SCI) Includes R.GC-311	Per sample	US\$	60.00
m)	Vitrinite Reflectance on whole rock	Per sample	US\$	60.00
n)	Vitrinite Reflectance on kerogen concentrates	Per sample	US\$	75.00
o)	Biomarker Analysis by GC-MS on Saturated Fraction (SIM)	Per sample	US\$	285.00

p)	Biomarker Analysis by GC-MS on Aromatic Fraction (SIM)	Per sample	US\$	285.00
q)	Biomarker Analysis by GC-MS of EOM (SIM)	Per sample	US\$	445.00
r)	Biomarker Analysis by Metastable Reaction Monitoring (MRM) GC-MS	Per sample	US\$	650.00
s)	Full Scan GC-MS Analysis (Excluding Interpretation)	Per sample	US\$	400.00
t)	Carbon Isotope Analysis of individual EOM and kerogen (per fraction)	Per sample	US\$	90.00
u)	GC-IRMS Analysis of EOM, Saturated or Aromatic Fractions (per fraction)	Per sample	US\$	650.00
4)	Fluorescence Alteration of Multiple Macerals (FAMM) Analyses			
a)	Basic FAMM Analysis	Per sample	US\$	600.00
b)	Vitrinite Reflectance (VR) and Maceral Analyses	Per sample	US\$	235.00
d.	Oil and Gas Evaluation			
1)	Analisa Gas			
a)	GC Analysis of Hydrocarbons in Gas Sample	Per sample	US\$	45.00
b)	GC Analysis of Hydrocarbons and Inorganic Gases in Gas Sample	Per sample	US\$	120.00
c)	Carbon Isotope in Methane	Per sample	US\$	180.00
d)	Measurements of Carbon Isotope Composition of C ₁ -C ₄ by GC-IRMS	Per sample	US\$	250.00
e)	Measurements of Carbon Isotope Composition of C ₁ -C ₄ and CO ₂ by GC-IRMS	Per sample	US\$	275.00
2)	Analisa Minyak			
a)	Whole Oil GC Analysis	Per sample	US\$	110.00
b)	Quantitative Whole Oil Analysis	Per sample	US\$	150.00
c)	Analysis of Whole Oil samples by GC-MS (SIM)	Per sample	US\$	445.00
d)	Comparison of samples by i _g 1/2 Star Diagram i _g 1/2 method	Per sample	US\$	45.00
e)	Topping of oil	Per sample	US\$	32.00
f)	Removal of Asphaltenes	Per sample	US\$	35.00
g)	Iatroscan Analysis	Per sample	US\$	50.00

h)	Analysis of Saturated Fraction by Capillary GC	Per sample	US\$	85.00
i)	Capillary GC of Aromatic Hydrocarbon Fraction (FID only)	Per sample	US\$	85.00
j)	Biomarker Analysis by GC-MS of Saturated Fraction (SIM)	Per sample	US\$	285.00
k)	Biomarker Analysis by GC-MS of Aromatic Fraction	Per sample	US\$	285.00
l)	Carbon Isotope Analysis of Whole oil, Topped oil or Chromatographic Fractions (Per Fraction)	Per sample	US\$	90.00
m)	Determination of stable isotope composition of individual components in Oils by GC-IRMS	Per sample	US\$	750.00
n)	Gravity (API)	Per sample	US\$	30.00
o)	Pour point above	Per sample	US\$	73.00
p)	Pour point below	Per sample	US\$	96.00
q)	Sulphur Content (XRF)	Per sample	US\$	150.00
r)	Nickel and Vanadium Content	Per sample	US\$	135.00
s)	Per unsurtal and Nitrogen in oils	Per sample	US\$	150.00
t)	Nitrogen compounds in oil	Per sample	US\$	150.00
e. Interpretasi Dan Laporan Utama Pada Analisa Rutinitas				
1)	Data report, hardcopy (three copies) and a disc	Per paket	US\$	25.00
2)	Full interpretation with three copies of the report	Per paket	US\$	300.00
3)	Analisa :			
a)	Rock-Eval	Per sample	US\$	50.00
b)	Correlation of Oil Samples based on Whole Oil GC Analysis	Per sample	US\$	120.00
c)	Kerogen Typing by Microscopy (Including kerogen isolation)	Per sample	US\$	50.00
d)	Vitrinite Reflectance	Per sample	US\$	75.00
e)	FAMM Analysis (see R.GC-321 for the detail)	Per sample	US\$	600.00
f. Studi Korelasi				
1)	Oil-Oil Correlation			
a)	Whole Oil GC Analysis	Per sample	US\$	110.00
b)	Correlation of Oil Samples based on Whole Oil GC Analysis	Per sample	US\$	45.00

c)	Analysis of Whole Oil samples by GC-MS (SIM)	Per sample	US\$	445.00
d)	Topping of oil	Per sample	US\$	32.00
e)	Removal of Asphaltenes	Per sample	US\$	35.00
f)	Analysis of Saturated Fraction by Capillary GC	Per sample	US\$	85.00
g)	Analysis of Aromatic Fraction by Capillary GC	Per sample	US\$	85.00
h)	Biomarker Analysis by GC-MS of Saturated Fraction (SIM)	Per sample	US\$	285.00
i)	Biomarker Analysis by GC-MS of Aromatic Fraction	Per sample	US\$	285.00
j)	Determination of stable isotope composition of individual components in Whole Oil by GC-IRMS	Per sample	US\$	750.00
k)	Pyrolysis of Asphaltenes by GHM	Per sample	US\$	130.00
2)	Oil Source Rock Correlation			
a)	Thermal Extraction GC by GHM	Per sample	US\$	125.00
b)	Extraction of Organic Matter by Soxhlet	Per sample	US\$	50.00
c)	Separation of Asphaltenes from the extract	Per sample	US\$	40.00
d)	Separation of EOM by Column Chromatography	Per sample	US\$	50.00
e)	Separation of EOM (includes R.GC-803 and R.GC-804)	Per sample	US\$	75.00
f)	Analysis of Saturated Fraction by Capillary GC	Per sample	US\$	95.00
g)	Capillary GC of Aromatic Hydrocarbon Fraction (FID only)	Per sample	US\$	95.00
h)	Biomarker Analysis by GC-MS of Saturated Fraction (SIM)	Per sample	US\$	300.00
i)	Biomarker Analysis by GC-MS of Aromatic Fraction	Per sample	US\$	300.00
j)	Carbon Isotope of bulk fractions (Per fraction)	Per sample	US\$	90.00
g.	Klasifikasi Generik Minyak			
	Oil Family			
a)	Whole Oil GC Analysis	Per sample	US\$	110.00
b)	Quantitative C ₆ i _{1/2} C ₇ Analysis with Calculation of Comparison of samples by i _{1/2} Star Diagram i _{1/2} method	Per sample	US\$	195.00

c)	Topping of oil	Per sample	US\$	32.00
d)	Removal of Asphaltenes	Per sample	US\$	35.00
e)	Analysis of Saturated Fraction by Capillary GC	Per sample	US\$	95.00
f)	Analysis of Saturated Biomarker by GC-MS (SIM)	Per sample	US\$	300.00
g)	Analysis of Aromatic Biomarker by GC-MS	Per sample	US\$	300.00
h)	Multiple Reaction Monitoring GC-MS of saturated fraction	Percobaan	US\$	650.00
i)	Carbon Isotope Analysis of Whole oil, Topped oil or Chromatographic Fractions (Per Fraction)	Per sample	US\$	90.00
j)	Determination of stable isotope composition of individual components in Oils by GC-IRMS	Per sample	US\$	750.00
k)	Gravity (API)	Per sample	US\$	30.00
l)	Sulphur Content	Per sample	US\$	115.00
h. Reservoir Geokimia				
Analisa Screening				
a)	Rock-Eval Analysis	Per sample	US\$	50.00
b)	Thermal Extraction-Pyrolysis GC by GHM	Per sample	US\$	150.00
c)	Iatroscan Analysis	Per sample	US\$	50.00
d)	Biomarker Analysis by GC-MS on Aromatic Fraction (SIM)	Per sample	US\$	300.00
e)	Biomarker Analysis by GC-MS of EOM (SIM)	Per sample	US\$	445.00
i. Analisa Follow-Up				
1) Sample Source Rock				
a)	Extraction of Organic Matter by Soxhlet	Per sample	US\$	40.00
b)	Separation of Asphaltenes from the extract	Per sample	US\$	35.00
c)	Separation of EOM by Column Chromatography	Per sample	US\$	30.00
d)	Separation of EOM (includes R.GC-803 and R.GC-804)	Per sample	US\$	75.00
e)	Iatroscan Analysis	Per sample	US\$	50.00
f)	Capillary GC of Saturated Hydrocarbon Fraction	Per sample	US\$	85.00
g)	Capillary GC of Aromatic Hydrocarbon Fraction (FID only)	Per sample	US\$	85.00
h)	Full Scan GC-MS Analysis (Excluding Interpretation)	Per sample	US\$	400.00
i)	Carbon Isotope Analysis of bulk fractions and kerogen (per fraction)	Per sample	US\$	90.00

	j) Determination of stable isotope composition of individual components in extracts by GC-IRMS	Per sample	US\$	750.00
2)	Sample Core			
	a) Soxhlet Extraction	Per sample	US\$	40.00
	b) Separation of Asphaltenes from Extract	Per sample	US\$	35.00
	c) Separation of EOM by Column Chromatography	Per sample	US\$	30.00
	d) Separation of EOM (includes R.GC-803 and R.GC-804)	Per sample	US\$	75.00
	e) Capillary GC of Saturated Fraction	Per sample	US\$	85.00
	f) Capillary GC of Aromatic Hydrocarbon Fraction (FID only)	Per sample	US\$	85.00
	g) Biomarker Analysis by GC-MS of Saturated Fraction (SIM)	Per sample	US\$	285.00
	h) Biomarker Analysis by GC-MS of Aromatic Fraction	Per sample	US\$	285.00
	i) Carbon Isotope Analysis of bulk fractions and kerogen (per fraction)	Per sample	US\$	90.00
	j) Determination of stable isotope composition of individual components in extracts by GC-IRMS	Per sample	US\$	750.00
3)	Sampel Minyak			
	a) Separation of Asphaltenes from the extract	Per sample	US\$	35.00
	b) Separation of EOM by Column Chromatography	Per sample	US\$	30.00
	c) Separation of EOM (includes R.GC-803 and R.GC-804)	Per sample	US\$	75.00
	d) Analysis of Saturated Fraction by Capillary GC	Per sample	US\$	85.00
	e) Capillary GC of Aromatic Hydrocarbon Fraction (FID only)	Per sample	US\$	85.00
	f) Biomarker Analysis by GC-MS of Saturated Fraction (SIM)	Per sample	US\$	285.00
	g) Biomarker Analysis by GC-MS of Aromatic Fraction	Per sample	US\$	285.00
	h) Determination of stable isotope composition of individual components in Oils by GC-IRMS	Per sample	US\$	750.00
	i) Analysis of GC and GC-MS fingerprinting data for determination of reservoir compartmentalization	Per sample	US\$	750.00
j.	Sedimentologi dan Jasa-Jasa yang Berhubungan			

1) Petrography Of Carbonates	Per sample	US\$	175.00
Detailed Petrographic Analysis of Carbonate Rock in Thin Section including determination of lithologies, main faunal and floral groups, texture, diagenetic texture and porosity type, together with interpretation of depositional environment. For more comprehensive evaluation on reservoir quality diagenetic history and porosity evaluation will be dealt with in detail			
2) Petrography Of Clastic Rock	Per sample	US\$	175.00
Detailed Petrographic Analysis of Siliciclastic Rock in Thin Section involving qualitative assesments of mineralogy, texture, and factors affecting reservoir quality including diagenesis (cementation, authigenic clays, dissolution, replacement, etc) and primary sedimentological parameters			
3) Petrography of Ingenous and Methamorphic Rock			
a) Basic description. identification and main mineralogy only	Per sample	US\$	125.00
b) Detailed description including paragenetic history of altered minerals	Per sample	US\$	175.00
c) Core Description	Per feet	US\$	22.50
d) Core Description	Per meter	US\$	67.50
e) Description of Ditch Cutting Sample	Per feet	US\$	20.00
f) Sieve Analysis (6 sieves)	Per sample	US\$	75.00
g) Sieve Analysis (more than 6 sieves)	Per sample	US\$	110.00
h) Environmental studies on sands and sandstones including statistical parameters, size distribution curves, and environmental interpretation (cost depends on the number of sieves required)	Per sample	US\$	115.00
4) X-Ray Diffraction			
a) Semi-Quantitative Analysis of Bulk minerals	Per sample	US\$	125.00
b) Semi-Quantitative Analysis of Clay minerals	Per sample	US\$	150.00
5) Scanning Electron Microscopy (SEM)			
a) Geometry of pore system (including preparation of pore cast, and quantitative evaluation of size, shape and distribution of pores).	Per sample	US\$	375.00

<ul style="list-style-type: none"> b) SEM of core, sidewall core and cutting to provide general information on reservoir quality (pore system character, cements or pore-filling clays) and the development of diagenetic mineral phase. 	Per sample	US\$	175.00
6) Energy Dispersive Analysis by X-Ray (EDAX)			
Rapid mineral identification of selected grains and semi-quantitative chemical analysis by EDAX.	Per sample	US\$	110.00
7) Fluorescence Microscopy			
<ul style="list-style-type: none"> a) New application of this technique in carbonate petrography is effectively useful in recognizing depositional facies and delineate fabrics and porosity relationship in certain highly dolomitized or recrystallized limestone previously uninterpretable using standard petrographic techniques. 	Per sample	US\$	150.00
<ul style="list-style-type: none"> b) Cathodoluminescence 	Per sample	US\$	250.00
<ul style="list-style-type: none"> c) Calcimetry 	Per sample	US\$	35.00
8) Thin Section Preparation			
<ul style="list-style-type: none"> a) Standard preparation 	Per sample	US\$	15.00
<ul style="list-style-type: none"> b) Blocking-in technique for ditch cutting samples 	Per sample	US\$	13.00
<ul style="list-style-type: none"> c) Impregnation by blue or green dyed resin under vacuum to illustrate porosity. 	Per sample	US\$	10.00
<ul style="list-style-type: none"> d) Staining of Carbonate Minerals using Feigl's or Dickson solution, Titan Yellow or other methods. 	Per sample	US\$	5.00
<ul style="list-style-type: none"> e) Feldspar stain 	Per sample	US\$	10.00
2. EKSPLOITASI			
a. Formation Evaluation (Cores)			
1) Routine Core Analysis			
<ul style="list-style-type: none"> a) Conventional Core Analysis (Plug Size) <ul style="list-style-type: none"> (1) Complete (Porosity, Horizontal permeability and Fluid Contents) (2) Porosity, by Helium Injection-Boyle's Law (3) Horizontal Permeability (4) Klinkenberg Permeability (4) Slippage Factor Calculation (6) Vertical Permeability 	Per sample	US\$	60.00
	Per sample	US\$	30.00
	Per sample	US\$	30.00
	Per sample	US\$	60.00
	Per sample	US\$	10.00
	Per sample	US\$	30.00

(7)	Fluid Contents by Retort	Per sample	US\$	30.00
(8)	Fluid Contents by Dean Stark	Per sample	US\$	30.00
(9)	Grain Density (calculated)	Per sample	US\$	20.00
(10)	Grain Density (measured)	Per sample	US\$	50.00
(11)	Bulk (saturated) Density, by Mercury Injection	Per sample	US\$	18.00
b)	Mounting Required for Soft or Friable Rocks			
(1)	By Hysol Resin	Per sample	US\$	22.00
(2)	By Lead Jacket	Per sample	US\$	25.00
(3)	By Plastic/Rubber Sleeve	Per sample	US\$	20.00
(4)	Special Handling Required because Rock Type, Texture	Per sample	US\$	30.00
	Per man-hour			
c)	Sidewall Core Analysis			
(1)	Complete (Porosity, Permeability and Fluid Contents)	Per sample	US\$	75.00
(2)	Porosity (by Helium Unjection-Boyle's Law)	Per sample	US\$	30.00
(3)	Permeability (Horizontal only)	Per sample	US\$	30.00
(4)	Grain Density (Calculated)	Per sample	US\$	20.00
(5)	Grain Density (Measured)	Per sample	US\$	25.00
(6)	Bulk (Saturated) Density, by Merccury Injection	Per sample	US\$	20.00
d)	Full Diameter Core Analysis			
(1)	Fluid Contents by Conventional Retort	Per sample	US\$	30.00
(2)	Porosity (Helium Injection-Boyle's Law)	Per sample	US\$	40.00
(3)	Horizontal Permeability, 2 Direction Measurements	Per sample	US\$	60.00
(4)	Vertical Permeability	Per sample	US\$	440.00
(5)	Fluid Contents by Dean Stark Method	Per sample	US\$	100.00
(6)	Grain Density (Calculate)	Per sample	US\$	225.00
e)	Miscellaneous			
(1)	Specific Gravity of Fluid	Per sample	US\$	30.00
(2)	Viscosity of Fluid	Per sample	US\$	30.00
(3)	Rent of Dip Tank for Preservation of Core	Per hari	US\$	50.00
f)	On Site Core Catching			
	Engineers on Site Core Catching (two man job)	Per hari	US\$	450.00
g)	Core Gamma Surface Log			

	(1) Core Gamma Surface Log	Per feet	US\$	15.00
	(2) Spectral Core Gamma Surface Log	Per feet	US\$	15.00
h)	Core Slabbing and Polishing			
	(1) Standard Core Slabbing,	Per cut/feet	US\$	6.00
	(2) Each additional Cut	Per feet	US\$	4.00
	(3) One Side Polish of Slabbing Core	Per Feet	US\$	13.00
	(4) Both Parallel Side Polish of Slabbed Core	Per feet/hour	US\$	20.00
	(5) Special Handling for Core/material packaging	Per hour	US\$	17.00
i)	Core Photographs			
	(1) Core Photograph (Black and White) per sample 1 st Print (Paper 3.5i½ X 5i½)	Per lembar	US\$	5.00
	(2) Subsequent Prints	Per lembar	US\$	3.00
	(3) Core Photograph (Colour) per sample 1 st print (Paper 3.5 i½ X 5).	Per lembar	US\$	10.00
	(4) Subsequent Prints	Per lembar	US\$	4.00
	(5) Colour Photograph up to 12 feet of Core per frame (Paper Print 10i½ X 8i½).	Per lembar	US\$	50.00
	(6) Subsequent Prints	Per lembar	US\$	10.00
	(7) Ultraviolet Light Core Photograph up to 12 feet of Core per Frame (Paper Print 110i½ X 8i½).	Per lembar	US\$	50.00
	(8) Subsequent Prints	Per lembar	US\$	10.00
2)	Special Core Analysis (Plug Size)			
	a) Capillary Pressure Test	Per sample	US\$	85.00
	Required data of chemical composition or ppm NaCl Equivalent of formation brine			
	b) Porous-Plate Cell (Air-Water (2000 psi max)			
	(1) Single Point	Per sample	US\$	85.00
	(2) Two Points	Per sample	US\$	110.00
	(3) Complete Curve (six points)	Per sample	US\$	200.00
	c) Centrifuge (Oil-Water, Air-Oil, Air-Water)			
	(1) Single Point	Per sample	US\$	85.00
	(2) Two Points	Per sample	US\$	120.00
	(3) Complete Curve (six points)	Per sample	US\$	265.00
	d) Mercury Injection			
	(1) Single Point	Per sample	US\$	55.00

(2) Two Points	Per sample	US\$	70.00
(3) Complete Curve (0-1,500 psig) Drainage	Per sample	US\$	400.00
(4) Complete Curve (0-1,500 psig) Drainage- Imbibition	Per sample	US\$	600.00
(5) Complete Curve (0-60,000 psig) Drainage	Per sample	US\$	500.00
(6) Complete Curve (0-60,000 psig) Drainage-Imbibition	Per sample	US\$	700.00
(7) Above Water and Permeability (or Porosity)	Per sample	US\$	100.00
(8) Calculation of Pore Size Distribution (in conjunction with Drainage Injection Pattern)	Per sample	US\$	100.00

e) Liquid Permeability Tests

(Required data of chemical composition or ppm NaCl Equivalent of formation brine)

(1) Specific Water permeability	Per sample	US\$	70.00
(2) Water Permeability as a Function of Throughput of initial Liquid.	Per sample	US\$	200.00
(3) Each additional Liquid	Per sample	US\$	125.00
(4) Effective Oil Permeability at Connate Water Saturation	Per sample	US\$	150.00
(5) Single Phase Critical Velocity (ambient condition)	Per sample	US\$	560.00
(6) Single Phase Critical Velocity (reservoir condition)	Per sample	US\$	750.00
(7) Return Permeability of Initial Liquid	Per sample	US\$	500.00
(8) Each additional Liquid	Per sample	US\$	200.00

f) Electrical Resistivity Measurements (Consolidated Samples Only)

Required data of chemical composition or ppm NaCl Equivalent of formation brine

Formation Factor (for $i_c^{1/2} m i_c^{1/2}$ value)

(1) Scaling Tendency Analysis (CaCO ₃ , BaSO ₄ , SrSO ₄ , CaSO ₄) Formation factor ("m" value) no overburden pressure	Per sample	US\$	60.00
(2) Formation factor one overburden pressure	Per sample	US\$	150.00
(3) Each additional Pressure (includes data at 0 and 200)	Per sample	US\$	30.00

g) Resistivity Index (for $i_c^{1/2} n i_c^{1/2}$ value)

(1) In conjunction with Porous Plate Cell Capillary Pressure Test (per sample, per point)	Per sample	US\$	25.00
(2) Not in conjunction with Capillary Pressure Test (per sample, per point).	Per sample	US\$	60.00
(3) Cation Exchange Capacity, wet chemistry methode	Per sample	US\$	45.00

h) Waterflood Tests (Room Conditions) (Required data of chemical composition or ppm NaCl Equivalent of formation brine, and viscosity ratio of oil/brine)

Basic Flood (no incremental data)

(1) Fresh	Per sample	US\$	365.00
(2) Restored	Per sample	US\$	315.00
(3) Full Diameter	Per sample	US\$	975.00

i) Waterflood Susceptibility (incremental data) (Required data of chemical composition or ppm NaCl Equivalent of formation brine, and viscosity ratio of oil/brine)

(1) Fresh	Per sample	US\$	750.00
(2) Restored	Per sample	US\$	700.00
(3) Full Diameter	Per sample	US\$	1,680.00

j) Water/Oil Relative Permeability (Unsteady State) Required data of chemical composition or ppm NaCl Equivalent of formation brine

(1) Fresh	Per sample	US\$	750.00
(2) Restored	Per sample	US\$	700.00
(3) Full Diameter	Per sample	US\$	1,680.00

k) Water/Oil Relative Permeability (Steady State) Required data of chemical composition or ppm NaCl Equivalent of formation brine

(1) Fresh	Per sample	US\$	1,500.00
(2) Restored	Per sample	US\$	1,250.00

l) Residual Gas Determination Required data of chemical composition or ppm NaCl Equivalent of formation brine, and viscosity ratio of oil/brine

Imbibition Displacement	Per sample	US\$	365.00
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m) Gas-Oil Relative Permeability (Gas Saturation Increasing)

(1) Without Connate Water	Per sample	US\$	650.00
(2) With Connate Water	Per sample	US\$	700.00

	(3) Gas-Water (Gas saturation increasing)	Per sample	US\$	650.00
	(4) Water-Gas (Water saturation increasing)	Per sample	US\$	650.00
n)	Wet Ability Tests Required data of chemical composition or ppm NaCl Equivalent of formation brine			
	(1) Imbibition of oil and water at room conditions (per test)	Per sample	US\$	400.00
	(2) Imbibition and Dynamic Displacement (Amott Method, per test)	Per sample	US\$	600.00
	(3) Aging in Crude oil at Reservoir Temperature	Per sample	US\$	750.00
o)	Over Burden Permeability and Porosity			
(1)	Air Permeability (per overburden pressure)	Per sample	US\$	90.00
	(2) Porosity (Helium Porosimeter-Boyle's Law per Overburden pressure).	Per sample	US\$	90.00
	(3) Permeability and Porosity (per overburden pressure)	Per sample	US\$	150.00
p)	Over Burden Permeability and Porosity Pore Volume Rock Compressibility			
		Per sample	US\$	500.00
q)	Acoustic Velocity Tests (at Reservoir Pressure)			
	(1) Compressional Wave Velocity (Vp)	Per sample	US\$	200.00
	(2) Shear Wave Velocity (Vs)	Per sample	US\$	200.00
	(3) Young's Modulus	Per sample	US\$	50.00
	(4) Poisson's Ratio	Per sample	US\$	50.00
r)	Triaxial Compressive Strength Tests (at Reservoir Temperature)			
	(1) Complete Stress and Strain Curve (axial and lateral at one confining pressure) including Uniaxial Compressive Strength (UCS)	Per pekerjaan	US\$	1,600.00
	(2) Elastic Moduli (static), complete	Per pekerjaan	US\$	200.00
	(3) Mohr Envelope (does not include tests)	Per pekerjaan	US\$	200.00
s)	Other Tests			
	(1) Direct Shear	Per sample	US\$	200.00
	(2) Point Load Index	Per sample	US\$	100.00
	(3) Indirect Tensile (Brazilian)	Per sample	US\$	150.00
	(4) Abrasivity	Per sample	US\$	120.00

	(5) Three Point Bend	Per sample	US\$	110.00
	(6) Hollow Cylinder Stress (whole core)	Per sample	US\$	700.00
	(7) Scratching Test (Cerchar Test)	Per Feet	US\$	40.00
3)	T.CT-Scanning Services			
	a) Scanning on Whole Core			
	(1) Whole core sample, including 2 transverse and 2 axial scans	Per sample	US\$	125.00
	(2) Additional transverse or axial scan	Per sample	US\$	30.00
	b) Scanning on Plug Sample			
	(1) Plug sample, including 2 transverse and 2 axial scans	Per sample	US\$	60.00
	(2) Additional transverse or axial scan	Per sample	US\$	20.00
	c) Relative Permeability Measurement (Unsteady State)			
	(1) Kw/Ko measurement with T.CT-scan. (2 transverse and 2 axis scans)	Per sample	US\$	1,500.00
	(2) Additional transverse or axial scan	Per sample	US\$	40.00
	d) Data Presentation and Storage			
	(1) Paper print of T.CT-scan	Per lembar	US\$	12.00
	(2) Digitize and extract T.CT-scan image	Per lembar	US\$	8.00
	(3) Scans saved onto CD-ROM, Per CD	Per lembar	US\$	60.00
4)	Other Services			
	a) Basic Reservoir Description (Routine core-based)			
	(1) Core plugs-based study (minimum charge is for 10 plugs)	Per plug	US\$	40.00
	(2) Mini permeametry/porosimetry-based study (minimum charge is for 10 feet)	Per Feet	US\$	70.00
	(3) Combination of core plugs and mini permeametry/porosimetry	Per plug	US\$	25.00
	(4) Permeametry Porosimetry data	Per Feet	US\$	35.00
	b) Advance Reservoir Description			
	Integrated core-based reservoir description (minimum charge is for 7 dis)	Per hari	US\$	600.00
b.	Reservoir Fluid Studies			
	1) Black Oil Reservoir Fluid Study (Subsurface Sample)			

a) Pressure-Volume Relation of reservoir fluid at reservoir temperature, including saturation pressure determination, compressibility of oil above saturation pressure and two-phase volume below saturation pressure	Per sample	US\$	950.00
b) Differential Vaporization of reservoir fluid at reservoir temperature, and presentation of gas solubility and oil shrinkage data	Per sample	US\$	915.00
c) Determination of specific gravity and compressibility factor of liberated gas at all points on Differential Vaporization and determination of density of the liquid phase	Per sample	US\$	550.00
d) Viscosity of reservoir fluid at reservoir temperature and pressure from above reservoir pressure to atmospheric pressure	Per sample	US\$	775.00
e) Separator test at four single-stage separator pressure (including 0 psig) at specified temperature to determine the effects of separator pressure on solution Gas Oil Ratio, Formation Volume Factor and Stock Tank Oil Gravity	Per sample	US\$	1,225.00
f) Compositional analysis of separator gases from the above Separators Test (four compositions)	Per sample	US\$	725.00
g) Compositional analysis of reservoir fluid through heptanes plus including supplemental determinations for nitrogen, carbon dioxide and hydrogen sulfide by Flash Chromatography technique. Molecular weight and density of heptanes plus fraction are included.	Per sample	US\$	475.00
h) Special Requests:			
(1) Atmospheric pressure separator test at laboratory temperature to determine of Oil Shrinkage Factor, Stock Tank Oil Gravity and GOR.	Per sample	US\$	300.00
(2) Multi-stage separator test including determination of separator volume factors at each stage of separation at specified separator temperature.	Per sample	US\$	550.00
(3) Determination of saturation pressure of subsurface sample at reservoir temperature.	Per sample	US\$	300.00

2) Black Oil Reservoir Fluid Study (Recombination of Separator Gas and Oil)

a) Standard validity test of separator fluid, determination of saturation pressure of separator oil at separator temperature, and opening gas bottle pressure at laboratory temperature.	Per sample	US\$	150.00
b) Compositional analysis of separator oil and gas up to heptanes plus fraction, including determination of nitrogen and carbon dioxide fractions as well as calculation of recombined fluid composition.	Per sample	US\$	775.00
c) Recombination of separator fluid at specified GOR.	Per sample	US\$	600.00
d) Identical to T.RF-110 through T.RF-160	Per sample	US\$	5,140.00
e) Special Requests:			
(1) Advanced Quality Check of samples received in laboratory using Hoffmann's method (or similar method)	Per sample	US\$	480.00
(2) Adjustment of recombined fluid to a specified GOR or saturation pressure.	Per sample	US\$	400.00
(3) Additional charge for extension in service of T.RF-210 to undecanes plus fraction	Per sample	US\$	350.00
(4) Compositional analysis of separator oil to heptanes plus fraction including molecular weight and density of heptanes plus fraction.	Per sample	US\$	400.00
(5) Compositional analysis of separator oil to undecanes plus fraction including molecular weight and density of heptanes and undecanes plus fraction.	Per sample	US\$	550.00

3) Gas-Condensate Reservoir Fluid Study
(Recombination of Separator Gas and Liquid)

a) Standard validity test of separator fluid, determination of saturation pressure of separator liquid at separator temperature, and opening gas bottle pressure at laboratory temperature	Per sample	US\$	150.00
b) Compositional analysis of separator gas and liquid up to heptanes plus fraction, including determination of nitrogen and carbon dioxide as well as calculation of recombined fluid composition	Per sample	US\$	775.00
c) Recombination of separator fluid at specified GOR	Per sample	US\$	600.00

d) Constant Composition Expansion study of reservoir fluid, including Dew Point Pressure determination and Pressure Volume Relation of recombined fluid at reservoir temperature	Per sample	US\$	950.00
e) Constant Composition Expansion study of reservoir fluid, including Dew Point Pressure determination and Pressure Volume Relation of recombined fluid at reservoir temperature	Per sample	US\$	950.00
f) Retrograde liquid accumulation in reservoir determined at pressure investigated in test above.	Per sample	US\$	585.00
g) Special Requests			
(1) Adjustment of recombined fluid to a specified GLR or Dew Point Pressure.	Per sample	US\$	400.00
(2) Additional charge for extension to undecanes plus fraction	Per sample	US\$	350.00
(3) Compositional analysis of separator condensate to heptanes plus fraction including molecular weight and density of heptanes plus fraction	Per sample	US\$	400.00
(4) Compositional analysis of separator condensate to undecanes plus fraction including molecular weight and density of heptanes and undecanes plus fraction	Per sample	US\$	550.00
(5) Compositional analysis of separator oil to eicosanes plus fraction including molecular weight and density of heptanes and eicosanes plus fraction.	Per sample	US\$	750.00
(6) Atmospheric pressure separator test at laboratory temperature to determine oil shrinkage factor, stock tank oil gravity and GOR	Per sample	US\$	300.00
(7) Retrograde liquid accumulation in reservoir during Constant Composition Expansion Test	Per sample	US\$	585.00
4) Volatile Oil Reservoir Fluid Study			
a) Validity test of separator fluid, determination of saturation pressure of separator oil at separator temperature, and opening gas bottle pressure at laboratory temperature	Per sample	US\$	150.00
b) Compositional analysis of separator gas and liquid up to heptanes plus fraction, including determination of nitrogen and carbon dioxide fractions as well as calculation of recombined fluid composition	Per sample	US\$	775.00
c) Recombination of separator fluid at specified GOR	Per sample	US\$	600.00

d) Determination Saturation Pressure and Pressure-Volume Relations of recombined fluid at reservoir temperature	Per sample	US\$	950.00
e) Constant Volume Depletion Study at reservoir temperature to determine the gas phase composition, gas volume produced and deviation factors at several pressure from saturation pressure to abandonment pressure. Includes composition of equilibrium liquid phase at final depletion pressure	Per sample	US\$	4,500.00
f) Liquid shrinkage versus pressure using Constant Volume Depletion techniques as above	Per sample	US\$	600.00
g) Viscosity of liquid phase at reservoir temperature at several pressures from above reservoir pressure to atmospheric pressure	Per sample	US\$	775.00
h) Special Requests:			
(1) Adjustment of recombined fluid to a specified GOR or saturation pressure.	Per sample	US\$	400.00
(2) Additional charge for extension in service of T.RF-420 to undecanes plus fraction	Per sample	US\$	350.00
(3) Compositional analysis of separator oil up to heptanes plus fraction including molecular weight and density of heptanes plus fraction	Per sample	US\$	400.00
5) Compositional Analysis of Gas, Oil and Analysis of Formation Water Samples			
a) Chromatographic Analysis of Gas sample, including determination of Nitrogen, Carbon Dioxide and Hydrogen Sulfide			
(1) Methane through heptanes plus fraction	Per sample	US\$	180.00
(2) Methane through undecanes plus fraction	Per sample	US\$	250.00
(3) Methane through eicosanes plus fraction	Per sample	US\$	300.00
(4) Gas gravity (measured)	Per sample	US\$	50.00
b) Atmospheric Oil Compositional Analysis			
(1) Methane through heptanes plus fraction	Per sample	US\$	165.00
(2) Methane through undecanes plus fraction	Per sample	US\$	300.00
(3) Methane through eicosanes plus fraction	Per sample	US\$	350.00
c) Pressurized Oil Compositional Analysis			

(1) Methane through heptanes plus fraction, including determination of N2, CO2, molecular weight and density of plus fraction	Per sample	US\$	400.00
(2) Methane through undecanes plus fraction, including determination of N2, CO2, molecular weight and density of plus fraction	Per sample	US\$	550.00
(3) Methane through eicosanes plus fraction, including determination of N2, CO2, molecular weight and density of plus fraction	Per sample	US\$	750.00
d) Formation Water Analysis			
(1) Complete chemical analysis of formation water analysis or mud filtrate sample (including total dissolved solids, dissolved solid (10 ions), pH, hydrogen sulfide, specific gravity, calculated resistivity and presentation of Stiff Diagram)	Per sample	US\$	180.00
(2) Chloride and Total dissolved solids	Per sample	US\$	40.00
(3) Resistivity at room temperature (measured)	Per sample	US\$	25.00
(4) Nitrate	Per sample	US\$	20.00
(5) Calcium, Chromium, Copper, Magnesium, Manganese, Molybdiun, Potassium	Per unsur	US\$	20.00
(6) Barium, Strontium, Lithium	Per unsur	US\$	20.00
(7) Vanadium, Nickel	Per unsur	US\$	20.00
(8) Lead	Per unsur	US\$	50.00
e) Reservoir Fluid Sampling			
(1) Bottom Hole Sampling:			
(a) two men-job, 1(one) Engineer plus 1 (one) Ass. Engineer Personnel, and field sample handling: Engineer	Per hari	US\$	350.00
(b) Ass. Engineer.	Per hari	US\$	350.00
(c) Determination of surface bubble point pressure and transfer to high pressure shipping bottle, per sample	Per sample	US\$	300.00
(2) Rental Charge of Bottom Hole Sampling Unit, including spare, transfer head, high-pressure mercury pump	Per bulan	US\$	1,350.00
(3) Rental Charge of Bottom Hole Sampling Unit, including spare, transfer head, high-pressure mercury pump	Per hari	US\$	135.00
(4) Surface Sampling, one man-job	Per hari	US\$	450.00

f) Sample Bottle Rental Fee				
(1) Mild Steel, XLPG, 20 litre, 480 psi working pressure for gas sample	Per bulan	US\$	75.00	
(2) Mild Steel, XLPG, 20 litre, 480 psi working pressure for gas sample	Per hari	US\$	5.00	
(3) Stainless Steel, Hook, 500 cc, 1800 psi working pressure for gas sample.	Per bulan	US\$	75.00	
(4) Stainless Steel, Hook, 500 cc, 1800 psi working pressure for gas sample.	Per hari	US\$	5.00	
(5) Aluminium alloy, 20 litre, 2000 psi working pressure for gas sample	Per bulan	US\$	90.00	
(6) Aluminium alloy, 20 litre, 2000 psi working pressure for gas sample	Per hari	US\$	5.00	
(7) Stainless Steel, 700 cc 10.000 psi working pressure for oil sample	Per bulan	US\$	90.00	
(8) Stainless Steel, 700 cc 10.000 psi working pressure for oil sample	Per hari	US\$	5.00	

c. Enhanced Oil Recovery Study

1) Miscible Gas / CO2 Tests

a) Oil Characterization Test

(1) Fundamental tests : crude and gas chemical compositional analysis, density and viscosity (screening test)	Per paket	US\$	1,500.00	
(2) Miscibility correlative studies	Per sample	US\$	500.00	
(3) Minimum Miscibility Pressure determination (using slim tube)	Per sample	US\$	1,250.00	

b) Secondary Oil Recovery

(1) Plug sample	Per sample	US\$	4,000.00	
(2) One-Feet long composite sample	Per sample	US\$	5,500.00	
(3) One-meter long sample	Per sample	US\$	10,000.00	

c) Tertiary Oil Recovery

(1) Plug sample	Per sample	US\$	7,000.00	
(2) One-Feet long composite sample	Per sample	US\$	8,000.00	
(3) One-meter long sample	Per sample	US\$	10,000.00	

2) Chemical Flooding Test

a) Oil Characterization

(1) Fundamental tests: crude and gas chemical compositional analysis, density and viscosity (screening test)	Per paket	US\$	1,500.00
(2) Water analysis: chemical composition, ten ions, specific gravity, pH, viscosity, and hardness test	Per sample	US\$	1,000.00
(3) Interfacial tension Test (for surfactant)	Per sample	US\$	400.00
b) Polymer Rheology Evaluation			
(1) Viscosity vs. shear rate	Per sample	US\$	190.00
(2) Screen Factor	Per sample	US\$	50.00
(3) Filtration Test	Per sample	US\$	190.00
(4) Polymer thermal stability test	Per sample	US\$	3,500.00
c) Polymer Infectivity Tests			
(1) Fresh water sensitivity test	Per sample	US\$	1,750.00
(2) Basic polymer core test	Per sample	US\$	2,500.00
(3) Polymer retention test (RF and RRF)	Per sample	US\$	3,750.00
(4) Adsorption test, static method	Per sample	US\$	150.00
(5) Adsorption test, dynamic method	Per sample	US\$	1,250.00
(6) Multistep polymer core test	Per sample	US\$	5,500.00
(7) Polymer Shear Test (6 rates)	Per sample	US\$	4,000.00
d) Chemical Oil-Recovery Tests			
(1) Secondary - plug sample	Per sample	US\$	3,750.00
(2) Secondary - One-Foot long composite, sand pack sample	Per sample	US\$	5,000.00
(3) Tertiary $i_c/2$ plug sample	Per sample	US\$	5,250.00
(4) Tertiary $i_c/2$ One-Foot long composite, sand pack sample	Per sample	US\$	7,000.00

d. Drilling

1) Oil-Well and Mud Materials

a) API Specification $i_c/2$ 10A Test: Well Cement Material	Per sample	US\$	690.00
b) Free Water Contents	Per sample	US\$	50.00
c) Soundness (Autoclave Expansion)	Per sample	US\$	100.00
d) Compressive Strength Test, 8 hrs. Cured at atmospheric pressure	Per sample	US\$	150.00
e) Permeability Test, 24 hrs. Cured at Atmospheric Condition	Per sample	US\$	175.00

f)	Additional curing time at atmospheric pressure per Hari	Per sample	US\$	2.00
g)	Compressive Strength Test, 24 hrs. Cured under Reservoir Condition.	Per sample	US\$	325.00
h)	Permeability Test, 24 hrs. Cured under Reservoir Condition	Per sample	US\$	350.00
i)	Additional curing time under reservoir condition per Hari	Per sample	US\$	7.00
j)	Fineness by Turbidimeter	Per sample	US\$	100.00
k)	Thickening Time Test by HP-HT Consistometer	Per sample	US\$	175.00
l)	Thickening Time Test by Atmospheric Consistometer	Per sample	US\$	100.00
m)	Rheology Test on Cement Slurry at Atm. Press. / Room temp.	Per sample	US\$	60.00
n)	Rheology Test on Cement Slurry at temp. Up to 200°F	Per sample	US\$	120.00
o)	Initial Setting Time Test	Per sample	US\$	100.00
p)	API Fluid Loss Test	Per sample	US\$	55.00
q)	HP-HT Fluid Loss Test of Cement Slurry	Per sample	US\$	150.00
r)	Chemical Analysis of Cement	Per sample	US\$	140.00
s)	Compressive Strength Test, test specimens supplied by Client	Per sample	US\$	20.00
t)	Permeability Test, test specimens supplied by client	Per sample	US\$	50.00
2)	Fly Ash			
a)	API Specification 10 Test of Fly Ash	Per sample	US\$	300.00
b)	Pozzolanic Activity Index with Lime (ASTM C-618 and C-311)	Per sample	US\$	150.00
c)	Chemical Analysis of Fly Ash	Per sample	US\$	135.00
3)	Bentonite Materials			
a)	API Specification Test of Bentonite	Per sample	US\$	160.00
b)	Chemical Analysis of Bentonite	Per sample	US\$	105.00
c)	Yield Clay Analysis	Per sample	US\$	250.00
d)	Bentonite - CLS Dispersed Yield Analysis	Per sample	US\$	75.00
e)	Bentonite Performance Test (API Spec. 13I)	Per sample	US\$	340.00
f)	Modified Sea Water Mud Test	Per sample	US\$	60.00
g)	Low Salinity Mud Test	Per sample	US\$	60.00
h)	Lime Treated Mud Test	Per sample	US\$	200.00

i)	Low Solids Non Dispersed Mud Test	Per sample	US\$	60.00
j)	Fresh Water Lignosulfonate Mud Test	Per sample	US\$	75.00
k)	Hot Rolling (16 hrs. aging) and Rheology Test	Per sample	US\$	200.00
l)	Cation Exchange Capacity Test (CEC)	Per sample	US\$	60.00
m)	Bentonite Performance Test, mixed with Cement (API Spec 10).	Per sample	US\$	370.00

4) DRILLING FLUIDS

a)	API Mud Check for WBM, excluding HT-HP Fluid Loss Test.	Per sample	US\$	135.00
b)	API Mud Check for WBM, including HT-HP Fluid Loss Test.	Per sample	US\$	195.00
c)	API Mud Check for Oil Base Muds	Per sample	US\$	225.00
d)	Rheological Test at Room Temperature	Per sample	US\$	60.00
e)	Rheology Test at temperature up to 200°F	Per sample	US\$	60.00
f)	Rheology Test at HPHT	Per sample	US\$	175.00
g)	Filtration Test, API	Per sample	US\$	35.00
h)	Filtration Test, HPHT	Per sample	US\$	75.00
i)	Viscosity, Marsh Funnel	Per sample	US\$	30.00
j)	Density, Mud Balance	Per sample	US\$	20.00
k)	Alkalinity Test of Mud, Pm	Per sample	US\$	20.00
l)	Alkalinity Test of Filtrate, Pf	Per sample	US\$	35.00
m)	Lime Content	Per sample	US\$	20.00
n)	Chloride Content	Per sample	US\$	20.00
o)	Total Hardness as Ca	Per sample	US\$	20.00
p)	Calcium Sulfate Content	Per sample	US\$	25.00
q)	Formaldehyde Determination	Per sample	US\$	27.00
r)	Potassium Determination	Per sample	US\$	22.00
s)	Sand Content	Per sample	US\$	17.00
t)	Liquid and Solids Content Test, Retort	Per sample	US\$	75.00
u)	Methylene Blue Test of Mud	Per sample	US\$	50.00
v)	Heavy Metal Analysis in Drilling Fluid: Cd, Cu Pb, Zn and Hg, including Oil Content	Per sample	US\$	141.00
w)	Additional Total Metal Analysis per Unsur	Per unsur	US\$	18.00
x)	Toxicity Characteristic Leaching Procedure (TCLP) analysis per Unsur.	Per unsur	US\$	25.00

y)	Mud Toxicity by using LC-50/96 hours (U.S. EPA Methods).	Per sample	US\$	850.00
5)	Weighting Materials			
a)	API Specification-13A Test of Barite	Per sample	US\$	125.00
b)	Laser Particle Size Analysis for D50 Fines	Per sample	US\$	75.00
c)	Performance Test of Barite (API RP 13I)	Per sample	US\$	295.00
d)	Performance Test of Barite by adding Gypsum (OCMA DFCP-3).	Per sample	US\$	75.00
e)	Abbrassiveness of Barite (API RP13I)	Per sample	US\$	175.00
f)	Total Metals Analysis in Barite per Unsurt	Per sample	US\$	18.00
g)	Leach able Test per Unsurt	Per sample	US\$	25.00
h)	Purity analysis of Barite	Per sample	US\$	100.00
i)	API Specification-13A Test of Hematite Powder	Per sample	US\$	140.00
j)	Purity Analysis of Hematite	Per sample	US\$	100.00
6)	Filtration Control Agents RP131			
a)	Initial Performance Test	Per sample	US\$	225.00
b)	Performance Test After Heat Aging	Per sample	US\$	350.00
c)	Saturated Salt Mud Test	Per sample	US\$	75.00
d)	High Hardness Content Saturated Salt Mud Test	Per sample	US\$	75.00
e)	10% KCl Mud Test	Per sample	US\$	90.00
7)	Performance Analysis of:			
a)	Gravel Pack Sand (API RP 58) with photo	Per sample	US\$	310.00
b)	Gravel Pack Sand (API RP 58) without photo	Per sample	US\$	215.00
c)	Fracturing Sand (API RP 56)	Per sample	US\$	350.00
d)	Starch (API Spec 13A)	Per sample	US\$	180.00
e)	CMC - HV (API Spec 13A)	Per sample	US\$	250.00
f)	CMC - LV (API Spec. 13A)	Per sample	US\$	200.00
g)	HEC	Per sample	US\$	250.00
h)	Tannin/Lignin (OCMA)	Per sample	US\$	145.00
i)	Lignite (4 temp. of hot roll, viscosity and filtration)	Per sample	US\$	1,270.00
j)	Polyanionic Cellulose (PAC)	Per sample	US\$	250.00
k)	Lignosulfonate mix with bentonite at variable concentration, Rheology and filtration	Per sample	US\$	200.00
8)	Additive Materials			
a)	Purity Analysis of Potassium Chloride	Per sample	US\$	100.00
b)	Purity Analysis of Sodium Chloride	Per sample	US\$	100.00

c)	Purity Analysis of Calcium Chloride	Per sample	US\$	100.00
d)	Purity Analysis of Potassium Nitrate	Per sample	US\$	100.00
e)	Purity Analysis of Soda Ash	Per sample	US\$	100.00
f)	Purity Analysis of Caustic Soda	Per sample	US\$	100.00
g)	Purity Analysis of Sodium Bicarbonate	Per sample	US\$	100.00
h)	Purity Analysis of Hydrate Lime	Per sample	US\$	100.00
i)	Purity Analysis of Silica Flour	Per sample	US\$	110.00
j)	Chemical Analysis of Base Oils used in Drilling Fluids (RP13I).	Per sample	US\$	185.00
k)	Evaluation of Lignite (D.I., Caustic Solubility, pH, Moisture and Retained on Sieve No. 20.	Per sample	US\$	270.00
9)	Clay Stabilizer Evaluation			
a)	Clay/Fine Stabilizer Effectiveness (Need Reservoir Core Where the Stabilizer being used and Formation Water)	Per sample	US\$	1,500.00
b)	Additional Information concerning Stabilizer Evaluation, Include SEM, XRD Analysis	Per sample	US\$	350.00
10)	Water and Corrosion			
a)	Water Quality Analysis (NACE Standard)	Per sample	US\$	250.00
b)	Scaling Tendency Analysis (CaCO ₃ , BaSO ₄ , SrSO ₄ , CaSO ₄)	Per sample	US\$	250.00
c)	Critical Velocity of Water Simulation Fluid	Per sample	US\$	750.00
d)	Compatibility Test of Water Aging and Rolling at Reservoir Temperature	Per sample	US\$	500.00
e)	Compatibility test of water, Aging at Room Temperature	Per sample	US\$	175.00
f)	Filter Test Using OSU F-II method	Per sample	US\$	500.00
g)	Particle Size Distribution using Automatic Particle Counter 1 - 60 μ m	Per sample	US\$	100.00
h)	Corrosion Coupon Analysis NACE RP 0775-87	Per sample	US\$	500.00
i)	Corrosion Inhibitor Quality Control Test	Per sample	US\$	241.00
j)	Scale Deposited Analysis	Per sample	US\$	172.00
k)	Additional trace metals of scale Deposited	Per sample	US\$	18.00
l)	Complete Water Analysis API RP 45	Per sample	US\$	180.00
m)	Analysis of Water as required by Kep Men KLH No.51/1995	Per sample	US\$	370.00
n)	Analysis of Non-Dissolved Solids in Water	Per sample	US\$	115.00
o)	Oily Matter in Waste Water	Per sample	US\$	87.00

p)	BOD	Per sample	US\$	60.00
q)	COD	Per sample	US\$	40.00
r)	Dissolved Oxygen	Per sample	US\$	35.00
s)	Phenol	Per sample	US\$	50.00
t)	Free Chlorine	Per sample	US\$	20.00
u)	Dissolved Sulfate	Per sample	US\$	20.00
v)	Dissolved Ammonia	Per sample	US\$	20.00
w)	Bicarbonate	Per sample	US\$	18.00
x)	Carbonate	Per sample	US\$	18.00
y)	Chloride	Per sample	US\$	20.00
z)	Sulfide	Per sample	US\$	18.00
aa)	Hydroxide	Per sample	US\$	18.00
bb)	Additional individual constituent analysis.	Per sample	US\$	18.00
11) Other Services				
a)	Acid Solubility Test	Per sample	US\$	85.00
b)	Acid-Crude Compatibility Test	Per sample	US\$	175.00
c)	Bulk Density of Powder	Per sample	US\$	20.00
d)	Crush Resistance of Sands	Per sample	US\$	40.00
e)	Dry Sieve Analysis, 6 Sieves	Per sample	US\$	60.00
f)	Moisture Content	Per sample	US\$	30.00
g)	Sand Shape Identification by using a SEM Photo	Per sample	US\$	100.00
h)	Sand Shape Identification by using a Comparator	Per sample	US\$	55.00
i)	pH Test	Per sample	US\$	10.00
j)	Specific Gravity	Per sample	US\$	35.00
k)	Turbidity Test in FTU	Per sample	US\$	75.00
l)	Wet Screen Analysis, 1 Sieve	Per sample	US\$	35.00
m)	Sampling of Drilling Materials (two men job)			
	(1) Sampling Operator Charges	Per hari	US\$	200.00
	(2) Assistant Sampling Operator Charges	Per hari	US\$	150.00
e. PRODUCTION				
1) Production Testing				
a)	Production Testing Analysis Consulting (8 hours/day at minimum)	Per jam	US\$	75.00
b)	Production Testing Operator	Per hari	US\$	400.00
c)	Production Testing Assistant	Per hari	US\$	250.00

d)	Digital Dynamometer	Per hari	US\$	750.00
e)	Digital Well Sounder (liquid tracking & PBU test)	Per hari	US\$	1,000.00
f)	Digital Wheel Analyser (Dynamometer, liquid tracking & PBU test, 3 days/wheel maximum, 10 wheel minimum)	Per sumur	US\$	2,000.00
g)	Extension	Per hari	US\$	400.00
h)	Stand by	Per hari	US\$	400.00
i)	Special Analysis for PBU test, dynagraph interpretation (including sucker rod pump design)	Per pekerjaan	US\$	100.00
2)	Wireline Assistance			
a)	Wireline Operator	Per hari	US\$	450.00
b)	Wireline Assistant	Per hari	US\$	250.00
3)	Equipment Rental Fee			
	Bottom Hole Sampler Set, including spare, transfer head High Pressure Mercury Pump of 10,000 psi working pressure:			
(1)	Single Mode Sampler	Per bulan	US\$	1,350.00
(2)	Single Mode Sampler	Per hari	US\$	135.00
(3)	Tandem Mode Sampler	Per bulan	US\$	1,750.00
(4)	Tandem Mode Sampler	Per hari	US\$	175.00
(5)	Charge per successful Sample	Per hari	US\$	200.00
(6)	Gas Gravity Apparatus	Per bulan	US\$	270.00
(7)	Gas Gravity Apparatus	Per hari	US\$	27.00
(8)	Portable Dead Weight Tester	Per bulan	US\$	750.00
(9)	Bottom Hole Pressure and Temperature Survey Equipment, complete with pressure, temperature and clock Unsurt	Per bulan	US\$	450.00
(10)	Bottom Hole Pressure and Temperature Survey Equipment, complete with pressure, temperature and clock Unsurt	Per hari	US\$	70.00
(11)	Bottom Hole Pressure Unsurt	Per bulan	US\$	175.00
(12)	Bottom Hole Pressure Unsurt	Per hari	US\$	20.00
(13)	Well Thermometer Maximum	Per bulan	US\$	100.00
(14)	Amerada Clock: 3, 12, 24, 48, and 72 hrs rattoo	Per bulan	US\$	100.00
(15)	Amerada Clock: 3, 12, 24, 48, and 72 hrs rattoo	Per hari	US\$	15.00
4)	Amerada Calibration			
	Calibration of Amerada Pressure Unsurt at specified temperature	Per unsur	US\$	100.00

3. PROSES

a. General Characteristic Of Crude Oil

(ASTM D-287)	1) $\bar{i}_{\frac{1}{2}}$ API Gravity at $60\bar{i}_{\frac{1}{2}}F$	Per sample	US\$	13.00
	2) Flash Point ABEL (IP-170)	Per sample	US\$	21.00
(UOP-163)	3) Hydrogen Sulfide, H ₂ S	Per sample	US\$	39.00
	4) Kinematic Viscosity at $100\bar{i}_{\frac{1}{2}}F$ (ASTM D-445)	Per sample	US\$	22.50
	5) Kinematic Viscosity at $122\bar{i}_{\frac{1}{2}}F$ (ASTM D-445)	Per sample	US\$	22.50
	6) Kinematic Viscosity at $140\bar{i}_{\frac{1}{2}}F$ (ASTM D-445)	Per sample	US\$	22.50
D-3227)	7) Mercaptane Sulfur (ASTM	Per sample	US\$	50.00
	8) Pour Point (ASTM D-97)	Per sample	US\$	22.50
	9) Reid Vapour Pressure at $100\bar{i}_{\frac{1}{2}}F$ (ASTM D-323)	Per sample	US\$	31.00
	10) Specific Gravity at $60/60\bar{i}_{\frac{1}{2}}F$ (ASTM D-1298)	Per sample	US\$	13.00
77 Mod.)	11) Salt Content (as NaCl) (IP-	Per sample	US\$	45.00
Mod.)	12) Total Sulfur (ASTM D-1551	Per sample	US\$	55.00
664)	13) T.A.N./S.A.N. (ASTM D-	Per sample	US\$	55.00
	14) Asphaltene Content (IP-143)	Per sample	US\$	65.00
	15) Ash Content (ASTM D-482)	Per sample	US\$	27.50
Spectrometry)	16) Aromatic Content (UV	Per sample	US\$	76.00
70T)	17) Basic Nitrogen (UOP 269-	Per sample	US\$	49.00
	18) C, H, N, O (Combustion)	Per sample	US\$	100.00
KUOP (UOP-375)	19) Characterization Factor,	Per sample	US\$	22.50
Wax (ASTM D-938)	20) Congealing Point of Pert.	Per sample	US\$	13.00
(ASTM D-189)	21) Conradson Carbon Residue	Per sample	US\$	37.50

22)	Light End Comp. Analysis (C1-C5) GC(IP-344/ASTM D-5134)	Per sample	US\$	180.00
23)	Sediment Content (ASTM D-473)	Per sample	US\$	65.00
24)	T.B.N. (ASTM D-2896)	Per sample	US\$	55.00
25)	Total Nitrogen Content (ASTM D-3228)	Per sample	US\$	49.00
26)	Vanadium and Nickel (ASTM D-5863 Mod.)	Per sample	US\$	30.00
27)	Wax Content (Alcohol-Ether)	Per sample	US\$	100.00
28)	Water and Sediment (ASTMD96)	Per sample	US\$	26.00
29)	Water Content (ASTM D-4006)	Per sample	US\$	30.00

b. Analysis Of Light Fractions (Mogas, Naphta, Solvent And Solar)

1)	$\bar{\rho}_L$ API Gravity at 60 $\bar{\rho}_L$ F (ASTM D-287)	Per sample	US\$	13.00
2)	Hydrogen Sulfide (UOP-163)	Per sample	US\$	39.00
3)	Mercaptane Sulfur (UOP $\bar{\rho}_L$ 163)	Per sample	US\$	50.00
4)	Octane Number	Per sample	US\$	50.00
5)	F1-RON Clear (ASTM D-2699)	Per sample	US\$	82.00
6)	F1-RON + 3cc TEL (ASTM D-2699)	Per sample	US\$	90.00
7)	F2-RON Clear (ASTM D-2700)	Per sample	US\$	82.00
8)	F2-RON + 3cc TEL (ASTM D-2700)	Per sample	US\$	90.00
9)	Refractive Index (Refractometer)	Per sample	US\$	13.00
10)	Reid Vapour Pressure at 100 $\bar{\rho}_L$ F (ASTM D-323)	Per sample	US\$	31.00
11)	Specific Gravity at 60/60 $\bar{\rho}_L$ F (ASTM D-1289)	Per sample	US\$	13.00
12)	Total Sulfur, Lamp Method (ASTM D-1266)	Per sample	US\$	55.00
13)	Doctor Test (IP-130)	Per sample	US\$	16.00

381)	14)	Existent Gum (ASTM D-	Per sample	US\$	37.50
	15)	TEL Content (IP-74 Mod.)	Per sample	US\$	37.50
2547)	16)	Lead Content (ASTM D-	Per sample	US\$	75.00
122i;½F (ASTM D-130)	17)	Copper Strip Corr. 3hrs. at	Per sample	US\$	27.50
	18)	Distillation (ASTM D-86)	Per sample	US\$	32.50
156)	19)	Colour Saybolt (ASTM D-	Per sample	US\$	13.00
1019)	20)	Aromatic Content (ASTM D-	Per sample	US\$	39.00
664)	21)	T.A.N./S.A.N. (ASTM D-	Per sample	US\$	55.00
	22)	Aniline Point (ASTM D-611)	Per sample	US\$	37.50
	23)	Flash Point, ABEL (IP-170)	Per sample	US\$	21.00
(ASTM D-611)	24)	Anilline Gravity Product	Per sample	US\$	13.00
(ASTM D-287)	25)	Anilline Gravity Product	Per sample	US\$	50.00
(ASTM D-525)	26)	Oxidation Stability Test	Per sample	US\$	65.00
3228)	27)	Nitrogen Content (ASTM D-	Per sample	US\$	49.00
(ASTM D-2159)	28)	Naphthene by Refr.Intercept	Per sample	US\$	76.00
	29)	Hydrocarbon type in Pert. Product (Paraffines, Naphthenes, Aromatic, Olefine)	Per sample	US\$	82.50
	30)	Hydrocarbon type in Pert. Av. Anilline Product (Paraffines , Naphthenes, Aromatics, Olefines)	Per sample	US\$	86.00
	31)	Fungas Contamination	Per sample	US\$	25.00
	32)	Total Bacteria	Per sample	US\$	25.00
(SRB)	33)	Sulfate Reducing Bacteria	Per sample	US\$	40.00
	34)	Odour	Per sample	US\$	8.00
	35)	Basic Nitrogen (UOP-269)	Per sample	US\$	49.00

c. Analysis Of Medium Fractions (Kerosine, Avtur And Gasoil)

1) Specific Gravity at 60/60i½F (ASTM D-1298)	Per sample	US\$	13.00
2) i½API Gravity at 60i½F (ASTM D-287)	Per sample	US\$	13.00
3) Refractive Index (Refractometer)	Per sample	US\$	22.50
4) Freezing Point (ASTM D-2386)	Per sample	US\$	22.50
5) Smoke Point (IP-57)	Per sample	US\$	22.50
6) Flash Point ABEL (IP-170)	Per sample	US\$	21.00
7) Flash Point PM.CC (ASTM-D93)	Per sample	US\$	21.00
8) Total Sulfur, Lamp Method (ASTM D-1266)	Per sample	US\$	55.00
9) Total Sulfur, Quartz Method (ASTM D-1551 Mod.)	Per sample	US\$	55.00
10) Aromatic Content (ASTM D-1319)	Per sample	US\$	39.00
11) Aniline Point (ASTM D-611)	Per sample	US\$	37.50
12) DoctorTest (IP-130)	Per sample	US\$	16.00
13) Mercaptane Sulfur (UOP-163)	Per sample	US\$	50.00
14) Copper Strip Corrosion (ASTM D-130)	Per sample	US\$	27.50
15) Silver Strip Corrosion (IP-227)	Per sample	US\$	32.50
16) Kinematic Viscosity at <85i½F (ASTM D-445)	Per sample	US\$	36.00
17) Kinematic Viscosity at >85i½F (ASTM D-445)	Per sample	US\$	22.50
18) Neutralization Value, TAN/SAN (ASTM D-664)	Per sample	US\$	55.00
19) CloudPoint (ASTM D-2500)	Per sample	US\$	22.50
20) Pour Point (ASTM D-97)	Per sample	US\$	22.50
21) Diesel Index (IP-21)	Per sample	US\$	50.50
22) Calculated Cetane Index (ASTM D-976)	Per sample	US\$	45.50
23) Cetane Number	Per sample	US\$	90.00
24) Olefinic plus aromatic hydrocarbon (ASTM D-1019)	Per sample	US\$	27.50
25) Appearance	Per sample	US\$	8.00
26) Conradson Carbon Residue, 120 Vol. Bottom Residue, %wt (ASTM D-189)	Per sample	US\$	37.50
27) Ash Content (ASTM D-482)	Per sample	US\$	27.50
28) Water Content (ASTM D-95)	Per sample	US\$	19.00
29) Colour Saybolt (ASTM D-156)	Per sample	US\$	13.00
30) Colour ASTM (ASTM D-1500)	Per sample	US\$	13.00
31) Distillation (ASTM D-86)	Per sample	US\$	32.50
32) Aniline Gravity Product (ASTM D-611)	Per sample	US\$	13.00
33) Aniline Gravity Product (ASTM D-287)	Per sample	US\$	50.00
34) Sediment Content (ASTM D-473)	Per sample	US\$	65.00

35)	Water Reaction (ASTM D-1094)	Per sample	US\$	13.00
36)	Colour Lovibond (IP-17)	Per sample	US\$	13.00
37)	Bromine Number (ASTM D-159/IP-130)	Per sample	US\$	18.00
38)	Water Content, by Karl Fischer (ASTM D-4377)	Per sample	US\$	40.00
39)	Odour	Per sample	US\$	8.00
40)	Existent Gum (steam jet) (ASTM D-381)	Per sample	US\$	37.50
41)	Heat of Combustion (net and gross) (ASTM D-240)	Per sample	US\$	91.00
42)	TEL Content (IP-74 Mod.)	Per sample	US\$	32.50
43)	Water & Sediment (ASTM D-1796)	Per sample	US\$	26.00
d.	Methyl Tertiary Butyl Ethanol (MTBE)			
1)	Purity of MTBE (% wt of MTBE, Methanol + Butane, TBA) (Gas Chromatography)	Per sample	US\$	180.00
2)	Density at 15/4 (IP-190)	Per sample	US\$	22.50
3)	Water Content (ASTM D-4377)	Per sample	US\$	40.00
e.	Methanol			
1)	Purity of Methanol % wt (ASTM E-346)	Per sample	US\$	60.00
2)	Aceton and Aldehyde, wt% (ASTM E-346)	Per sample	US\$	32.50
3)	Aceton, wt% (ASTM D-1612)	Per sample	US\$	22.50
4)	Acidity as Acetic Acid, wt% (ASTM D-1613)	Per sample	US\$	50.00
5)	Appearance	Per sample	US\$	8.00
6)	Carbonisable Substance, APHA (ASTM E-346)	Per sample	US\$	22.50
7)	Color, APHA (ASTM D-1209)	Per sample	US\$	20.00
8)	Distillation Range (ASTM D-1078)	Per sample	US\$	32.50
9)	Ethanol (Gas Chromatography)	Per sample	US\$	60.00
10)	Hydrocarbons (ASTM E-1722)	Per sample	US\$	76.00
11)	Non Volatile Content, gr/100mL (ASTM D-1353)	Per sample	US\$	35.00
12)	Odour (ASTM D-1296)	Per sample	US\$	8.00
13)	Permanganate Time (ASTM D-1363)	Per sample	US\$	20.00
14)	Specific Gravity, at 20/20°C (ASTM D-891)	Per sample	US\$	13.00
15)	Total Iron Content (AAS)	Per sample	US\$	15.00
16)	Water Content (ASTM D-1364)	Per sample	US\$	40.00
17)	Chloride as Cl (MOHR)	Per sample	US\$	15.00
f.	Lubricating Oil			
1)	Specific Gravity at 60/60°C (ASTM D-1298)	Per sample	US\$	13.00

2)	i _c ½API Gravity at 60i _c ½F (ASTM D-287)	Per sample	US\$	13.00
3)	Colour ASTM (ASTM D-1500)	Per sample	US\$	13.00
4)	Kinematic Viscosity at 100i _c ½F (ASTM D-445)	Per sample	US\$	22.50
5)	Kinematic Viscosity at 210i _c ½F (ASTM D-445)	Per sample	US\$	22.50
6)	Viscosity Index (V.I) (IP-10)	Per sample	US\$	58.00
7)	Viscosity at Low Temp. (CCS) (ASTM D-5293)	Per sample	US\$	55.00
8)	Viscosity at High Temp.(HTHS) (ASTM D-4683)	Per sample	US\$	68.00
9)	Cloud Point (ASTM D-2500)	Per sample	US\$	22.50
10)	Pour Point (ASTM D-97)	Per sample	US\$	22.50
11)	Flash Point P.M.C.C. (ASTM D-93)	Per sample	US\$	21.00
12)	Flash Point & Fire Point, C.O.C. (ASTM D-92)	Per sample	US\$	25.00
13)	Aniline Point (ASTM D-611)	Per sample	US\$	37.50
14)	Total Base Number (T.B.N.) (ASTM D-2896)	Per sample	US\$	55.00
15)	T.A.N./S.A.N. (ASTM D-664)	Per sample	US\$	55.00
16)	Conradson Carbon Residue (ASTM D-189)	Per sample	US\$	37.50
17)	Ash Content (ASTM D-482)	Per sample	US\$	27.50
18)	Water Content (ASTM D-95)	Per sample	US\$	19.00
19)	Dilution of gasoline i _c ½ Engine Crankcase Oils (ASTM D-322)	Per sample	US\$	19.00
20)	Diluent Content of Crankcase Oils (SMS-93)	Per sample	US\$	19.00
21)	Sulfated Ash Content (ASTM D-874)	Per sample	US\$	37.50
22)	In Soluble Content in Used Lube Oil (ASTM D-893)	Per sample	US\$	110.00
23)	Foaming Tendency (ASTM D-892)	Per sample	US\$	55.00
24)	Sulfur Content (ASTM D-1551 Mod.)	Per sample	US\$	55.00
25)	Oxidation Characteristic (1000hrs) (ASTM D-943)	Per sample	US\$	2,440.00
26)	Corrosive Sulfur	Per sample	US\$	30.00
27)	Resistivity (Potentiometry)	Per sample	US\$	10.00
28)	Electric Strength (Potentiometry)	Per sample	US\$	45.00
29)	Calcium (AAS) (ASTM D-5863 Mod.)	Per sample	US\$	15.00
30)	Barium (AAS) (ASTM D-5863 Mod.)	Per sample	US\$	15.00
31)	Magnesium (AAS) (ASTM D-5863 Mod.)	Per sample	US\$	15.00
32)	Zinc (AAS) (ASTM D-5863 Mod.)	Per sample	US\$	15.00
33)	IR Spectro (IR Spectrometry)	Per sample	US\$	30.00
34)	Phosphate (Vis-Spect.)	Per sample	US\$	30.00
35)	Oil Content (ConcaweI/72 Mod. + GC)	Per sample	US\$	76.00

g. Lubricating Grease

217)	1) Cone Penetration (ASTM D-	Per sample	US\$	31.00
D-1403)	2) Worked Penetration (ASTM	Per sample	US\$	37.50
566)	3) Dropping Point (ASTM D-	Per sample	US\$	22.50
	4) Water Content (ASTM D-95)	Per sample	US\$	19.00
	5) Ash Content (ASTM D-482)	Per sample	US\$	27.50
	6) Neutralization Value (TAN/ SAN) (ASTM D-664)	Per sample	US\$	55.00
	7) Analysis of Lubricating Grease (ASTM D-1228)	Per sample	US\$	127.50
Mod.)	8) Oil Content (ConcaweI/72	Per sample	US\$	76.00

h. Paraffine Wax

60/60i ₂ F (ASTM D-1298)	1) Specific Gravity, at	Per sample	US\$	13.00
1500)	2) Colour ASTM (ASTM D-	Per sample	US\$	13.00
	3) Melting Point (ASTM D-87)	Per sample	US\$	27.50
938)	4) Congealing Point (ASTM D-	Per sample	US\$	13.00
	5) Penetration (ASTM D-1321)	Per sample	US\$	27.50
	6) Oil Content (ASTM D-721)	Per sample	US\$	60.00
92)	7) Flash Point, COC (ASTM D-	Per sample	US\$	25.00
(Refractometry)	8) Refractive Index	Per sample	US\$	13.00
3228)	9) Nitrogen Content (ASTM D-	Per sample	US\$	49.00
	10) Sulfur Content (ASTM D-1551 Mod.)	Per sample	US\$	55.00
	11) Conradson Carbon Residue (ASTM D-189)	Per sample	US\$	37.50

i. Bitumen And Asphalt

(IP-190)	1) Density or Relative Density	Per sample	US\$	22.50
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	2)	Penetration (ASTM D-5)	Per sample	US\$	27.50
	3)	Loss on Heating (ASTM D-	Per sample	US\$	36.00
6)					
	4)	Ductility (ASTM D-113)	Per sample	US\$	32.50
	5)	Flash Point and Fire Point, C.	Per sample	US\$	25.00
O.C. (ASTM D-92)					
	6)	Softening Point(R&B)	Per sample	US\$	32.50
(ASTM D-36)					
	7)	Solubility in CS ₂ (ASTM D-	Per sample	US\$	55.00
4)					
	8)	Asphalten Content (IP-143)	Per sample	US\$	65.00
j.		Industrial Fuel Oil			
	1)	Specific Gravity at	Per sample	US\$	13.00
60/60					
	2)	Kinematic Viscosity at	Per sample	US\$	22.50
40					
	3)	Asphalten Content (IP-143)	Per sample	US\$	65.00
	4)	Sediment by Extraction	Per sample	US\$	65.00
(ASTM D-473)					
	5)	Conradson Carbon Residue	Per sample	US\$	32.50
(ASTM D-189)					
	6)	Flash Point (ASTM D-93)	Per sample	US\$	21.00
k.		High Speed Diesel Fuel Oil (Hsd)			
	1)	Specific Gravity at	Per sample	US\$	13.00
60/60					
	2)	Kinematic Viscosity at	Per sample	US\$	22.50
100					
	3)	Colour ASTM (ASTM D-	Per sample	US\$	13.00
1500)					
	4)	Cetane Number (ASTM D-	Per sample	US\$	90.00
613)					
	5)	Calculated Cetane Index	Per sample	US\$	45.50
(ASTM D-976)					
	6)	Cloud Point (ASTM D-2500)	Per sample	US\$	22.50
	7)	Pour Point (ASTM D-97)	Per sample	US\$	22.50
	8)	Sulfur Content, %wt (ASTM	Per sample	US\$	55.00
D-1551 Mod.)					

(ASTM D-130)	9) Copper Strip Corrosion	Per sample	US\$	27.50
(on 10% vol. Bottom), % wt (ASTM D-189)	10) Conradson Carbon Residue	Per sample	US\$	37.50
D-95)	11) Water Content, %wt (ASTM	Per sample	US\$	19.00
(ASTM D-473)	12) Sediment Content, %wt	Per sample	US\$	65.00
D-130)	13) Ash Content, %wt (ASTM	Per sample	US\$	27.50
	14) Neutralization Value (TAN/ SAN) (ASTM D-664)	Per sample	US\$	55.00
	15) Flash Point P.M.C.C, $i_{\frac{1}{2}}F$	Per sample	US\$	21.00
	16) Distillation and Recovery at $300i_{\frac{1}{2}}C$ (ASTM D-86)	Per sample	US\$	32.50

1. Water Analysis

Analysis) (API-Method)	1) Oil Field Water (Complete	Per sample	US\$	151.00
	2) Crude Oil-Water Emulsion	Per sample	US\$	156.00
Waste Water (ASTM D-1340)	3) Oily Matter in Industrial	Per sample	US\$	76.00
Water	4) Industrial Water, Drinking	Per sample	US\$	132.50
P.N.only)	5) Bacteriological Analysis (M.	Per sample	US\$	30.00
Analysis:	6) Individual Constituent/			
a) Chlorine and Total Dissolved Solids		Per sample	US\$	36.00
b) Loss on Ignition at $900i_{\frac{1}{2}}C$		Per sample	US\$	15.00
c) Resistivity (Potentiometry)		Per sample	US\$	26.00
d) Hydrogen Sulfide		Per sample	US\$	22.50
e) pH		Per sample	US\$	8.00
f) Specific Gravity		Per sample	US\$	13.00
g) Sodium, Na (AAS) (ASTM D-4191)		Per sample	US\$	11.00
h) Calcium, Ca (AAS) (ASTM D-511)		Per sample	US\$	11.00
i) Magnesium, Mg (AAS) (ASTM D-511)		Per sample	US\$	11.00
j) Iron, Fe (AAS) (ASTM D-1068)		Per sample	US\$	11.00
k) EDTA Titration (Titrimetry)		Per sample	US\$	25.00

l)	Barium, Ba (AAS) (ASTM D-4382)	Per sample	US\$	11.00
m)	Arsenic, As (AAS) (ASTM D-2972)	Per sample	US\$	11.00
n)	Chloride	Per sample	US\$	8.00
o)	Bicarbonate (Titrimetry)	Per sample	US\$	8.00
p)	Carbonate (Titrimetry)	Per sample	US\$	8.00
q)	Sulfide	Per sample	US\$	8.00
r)	Hydroxide (Titrimetry)	Per sample	US\$	8.00
s)	Sulfate (Gravimetry)	Per sample	US\$	15.00
t)	Nitrate (Spectrometry)	Per sample	US\$	15.00
u)	Silica (Spectrometry) (ASTM D-4517)	Per sample	US\$	19.00
v)	Biochemical Oxygen Demand (BOD) (API/APHA)	Per sample	US\$	100.00
w)	Chemical Oxygen Demand (C.O.D.) (API/APHA)	Per sample	US\$	50.00
x)	Dissolved Oxygen (D.O.) (BS/APHA)	Per sample	US\$	30.00
y)	Phenol (Spectrometry)	Per sample	US\$	30.00
z)	Amonium (Spectrometry)	Per sample	US\$	15.00
aa)	Per chlorate	Per sample	US\$	15.00
bb)	Sulfur Trioxide (Titrimetry)	Per sample	US\$	15.00
cc)	Insoluble Water (Gravimetry)	Per sample	US\$	15.00
	7) Argentum/Silver/Ag (AAS) (ASTM D-3866)	Per sample	US\$	11.00
	8) Ammonia, NH ₃	Per sample	US\$	30.00
	9) Phosphates, PO ₄ (ASTM D-1340)	Per sample	US\$	30.00
	10) Floride (Spectrometry)	Per sample	US\$	30.00
	11) Boron (Spectrometry)	Per sample	US\$	30.00
	12) Strontium (AAS) (ASTM D-3352)	Per sample	US\$	11.00
	13) Tin, Sn (AAS) (ASTM D-3920)	Per sample	US\$	11.00
	14) Copper, Cu (AAS) (ASTM D-1688)	Per sample	US\$	11.00
	15) Zinc, Zn (AAS) (ASTM D-1691)	Per sample	US\$	11.00
	16) Lead, Pb (AAS) (ASTM D-3559)	Per sample	US\$	11.00
	17) Iron, Fe (AAS) (ASTM D-1068)	Per sample	US\$	11.00

	14)	Fluoride (Spectrometry)	Per sample	US\$	30.00
	15)	Cesium, Cs (AAS)	Per sample	US\$	11.00
n.	Oil Field Water				
	1)	PH (Potentiometry)	Per sample	US\$	8.00
	2)	Total Dissolved Solid (evap.) (Gravimetry or Calculation	Per sample	US\$	35.00
	3)	Resistivity (Conductivity)	Per sample	US\$	15.00
	4)	Chloride (Mohr)	Per sample	US\$	15.00
	5)	Bicarbonate (Titrimetry)	Per sample	US\$	8.00
	6)	Sulfate (Gravimetry)	Per sample	US\$	15.00
	7)	Carbonate (Titrimetry)	Per sample	US\$	8.00
	8)	Hydroxide (Titrimetry)	Per sample	US\$	8.00
	9)	Sodium, Na (Calculation)	Per sample	US\$	8.00
	10)	Calcium (AAS) (ASTM D- 511)	Per sample	US\$	11.00
	11)	Magnesium, Mg (AAS) (ASTM D-511)	Per sample	US\$	11.00
	12)	Iron, Fe (AAS) (ASTM D- 1068)	Per sample	US\$	11.00
	13)	Barium, Ba (AAS) (ASTM D-4382)	Per sample	US\$	11.00
	14)	Hydrogen Sulfide (API- RP45)	Per sample	US\$	55.00
o.	Waste Water				
	1)	Ph (Potentiometry)	Per sample	US\$	8.00
	2)	Temperature	Per sample	US\$	8.00
	3)	Oil Content & Grease (ConcaweI/72)	Per sample	US\$	76.00
	4)	Phenol (Standard Method)	Per sample	US\$	30.00
	5)	Biochemical Oxygen Demand(BOD) (API/APHA)	Per sample	US\$	100.00
	6)	Chemical Oxygen Demand (C.O.D.) (API/APHA)	Per sample	US\$	50.00
	7)	Dissolved Oxygen (D.O.) (BS/APHA)	Per sample	US\$	30.00
	8)	Total Dissolved Solid (Gravimetry)	Per sample	US\$	35.00
	9)	Total Suspended Solid (Gravimetry)	Per sample	US\$	30.00

(Spectrometry)	10)	Nitrite (NO ₂ -N)	Per sample	US\$	15.00
	11)	Nitrat, NO ₃ (ASTM D-3867)	Per sample	US\$	15.00
(ASTM D-3223)	12)	Mercury, Hg (CVAAS)	Per sample	US\$	20.00
3559)	13)	Lead, Pb (AAS) (ASTM D-	Per sample	US\$	15.00
1691)	14)	Zinc, Zn (AAS) (ASTM D-	Per sample	US\$	11.00
1886)	15)	Nickel, Ni (AAS) (ASTM D-	Per sample	US\$	11.00
D-1688)	16)	Copper, Cu (AAS) (ASTM	Per sample	US\$	11.00
(ASTM D-3557)	17)	Cadmium, Cd (AAS)	Per sample	US\$	11.00
3558)	18)	Cobalt, Co (AAS) (ASTM D-	Per sample	US\$	11.00
D-858)	19)	Mangan, Mn (AAS) (ASTM	Per sample	US\$	11.00
(ASTM D-1687)	20)	Chromium, Cr (AAS)	Per sample	US\$	11.00
2972)	21)	Arsen, As (AAS) (ASTM D-	Per sample	US\$	11.00
	22)	Silica, SiO ₂ (Spectrometry)	Per sample	US\$	15.00
	23)	Sulfide, S	Per sample	US\$	15.00
	24)	Cyanide (Spectrometry)	Per sample	US\$	15.00
515)	25)	Phosphate, PO ₄ ³⁻ (ASTM D-	Per sample	US\$	30.00
	26)	Amonia, NH ₃ (Spectrometry)	Per sample	US\$	15.00
D-4382)	27)	Barium, Ba (AAS) (ASTM	Per sample	US\$	11.00
D-3859)	28)	Selenium, Se (AAS)(ASTM	Per sample	US\$	11.00
3920)	29)	Tin, Sn (AAS) (ASTM D-	Per sample	US\$	11.00
1068)	30)	Iron, Fe (AAS) (ASTM D-	Per sample	US\$	11.00
(Spectrometry)	31)	Methyl Blue Active	Per sample	US\$	30.00

	32)	Free Chlorine (Spectrometry)	Per sample	US\$	15.00
p.		Water And Sediment			
	1)	Polycyclic Aromatic Hydrocarbon (PAH) (Spectrofluorometry)	Per sample	US\$	100.00
	2)	Volatile Aromatic (Spectrofluorometry)	Per sample	US\$	76.00
	3)	Total Hydrocarbon/Total Petroleum Hydrocarbon (TPH) (ConcaweI/72)	Per sample	US\$	76.00
	4)	Phenols (UV/Vis. Spectrometry)	Per sample	US\$	30.00
	5)	Naphtenic Acids	Per sample	US\$	30.00
q.		Dispersant / Surfactant / Detergent			
	1)	Oil Content (CONCAWE)	Per sample	US\$	76.00
	2)	Heavy Metals (AAS) (ASTM D-5863)	Per Metal	US\$	15.00
	3)	Effectivity (Spectrometry)	Per sample	US\$	25.00
	4)	Biodegradation Test (Spectrometry)	Per sample	US\$	100.00
	5)	Ash Content (Gravimetry)	Per sample	US\$	21.00
	6)	Standard EPA Toxicity Test	Per sample	US\$	1,500.00
	7)	Modified EPA Toxicity Test (LC50)	Per sample	US\$	750.00
r.		Mud			
	1)	Oil Content (ConcaweI/72)	Per sample	US\$	76.00
	2)	Water Content (Gravimetry)	Per sample	US\$	20.00
	3)	Mercury, Hg (CVAAS)	Per sample	US\$	20.00
	4)	Copper, Cu (AAS) (ASTM D-3974)	Per sample	US\$	15.00
	5)	Cadmium, Cd (AAS) (ASTM D-3974)	Per sample	US\$	15.00
	6)	Chromium, Cr (AAS) (ASTM D-3974)	Per sample	US\$	15.00
	7)	Zinc, Zn (AAS)	Per sample	US\$	15.00
	8)	Particle Size Distribution	Per sample	US\$	250.00
s.		Cement			
	1)	Total Alkali (AAS)	Per sample	US\$	25.00
	2)	Loss on Ignition (Gravimetry)	Per sample	US\$	15.00

	3) Insoluble Matter	Per sample	US\$	20.00
(Gravimetry)				
	4) SiliconOxide, SiO ₂	Per sample	US\$	20.00
(Gravimetry)				
	5) Alumunium Oxide, Al ₂ O ₃	Per sample	US\$	15.00
(AAS)	(ASTM D-3974)			
	6) Ferric Oxide, Fe ₂ O ₃ (AAS)	Per sample	US\$	15.00
(ASTM D-3974)				
	7) Calcium Oxide, CaO (AAS)	Per sample	US\$	15.00
(ASTM D-3974)				
	8) Magnesium Oxide, MgO	Per sample	US\$	15.00
(AAS) (ASTM D-3974)				
	9) SulfurTrioxide, SO ₃	Per sample	US\$	15.00
(Titrimetry)				
t. Catalyst				
	1) Wet Screen Analysis (API	Per sample	US\$	35.00
Standard 13A)				
	2) Density App. Bulk	Per sample	US\$	35.00
Compacted Bulk (UOP 294-66)				
	3) Pore Volume	Per sample	US\$	100.00
	4) Specific Gravity	Per sample	US\$	13.00
	5) Porosity	Per sample	US\$	150.00
	6) Surface Area	Per sample	US\$	250.00
	7) IR Spectra / FTIR	Per sample	US\$	30.00
Spectrometry				
u. Tcpl On Mud, Sludge, Asphalt, Spent Catalyst, Solid Waste Etc.				
	1) Metal in Original Sample (US EPA SW-846 Method 1311)			
	a) Arsen, As (AAS)	Per sample	US\$	15.00
	b) Barium, Ba (AAS)	Per sample	US\$	15.00
	c) Cadmium, Cd (AAS)	Per sample	US\$	15.00
	d) Copper, Cu (AAS)	Per sample	US\$	15.00
	e) Chromium, Cr (AAS)	Per sample	US\$	15.00
	f) Nickel, Ni (AAS)	Per sample	US\$	15.00
	g) Lead, Pb (AAS)	Per sample	US\$	15.00
	h) Zinc, Zn (AAS)	Per sample	US\$	15.00
	i) Mercury, Hg (AAS)	Per sample	US\$	15.00

	j) Silver, Ag (AAS)	Per sample	US\$	15.00
	2) Metal in Extract, TCLP			
	a) Arsen, As (AAS)	Per sample	US\$	15.00
	b) Barium, Ba (AAS)	Per sample	US\$	15.00
	c) Cadmium, Cd (AAS)	Per sample	US\$	15.00
	d) Copper, Cu (AAS)	Per sample	US\$	15.00
	e) Chromium, Cr (AAS)	Per sample	US\$	15.00
	f) Nickel, Ni (AAS)	Per sample	US\$	15.00
	g) Lead, Pb (AAS)	Per sample	US\$	15.00
	h) Zinc, Zn (AAS)	Per sample	US\$	15.00
	i) Mercury, Hg (AAS)	Per sample	US\$	15.00
	j) Silver, Ag (AAS)	Per sample	US\$	15.00
	v. Barite			
	1) Specific Gravity	Per sample	US\$	22.50
2)	Wet Screen Analysis			
	a) Residue on US Sieve 200	Per sample	US\$	30.00
	b) Residue on US Sieve 325	Per sample	US\$	30.00
	3) Alkaline Earth Ca	Per sample	US\$	15.00
w.	Bentonite			
	1) Suspension Properties	Per sample	US\$	30.00
	2) Wet Screen Analysis	Per sample	US\$	30.00
	3) Moisture	Per sample	US\$	15.00
x.	Crude Oil Evaluation			
	1) Basic Analysis of Crude Oil (Include. General Characteristic, Hempel Dist. And Classification)	Per sample	US\$	2,500.00
	2) Type A Rapid Analysis of Crude Oil	Per sample	US\$	2,500.00
	3) Type B Simplified Analysis of Crude Oil	Per sample	US\$	5,800.00
	4) Type C Detailed Analysis of Crude Oil	Per sample	US\$	25,000.00
	5) Others			
	a) True Boiling Point (TBP) Distillation	Per sample	US\$	1,800.00
	b) Hempell Distillation	Per sample	US\$	700.00
	c) Dehydration of Crude Oil by Hetero-azeotropic Distillation	Per sample	US\$	50.00
	d) Dehydration of Crude Oil by Demulsifier Treatment	Per sample	US\$	35.00
	e) Crude Oil Blending	Per blending	US\$	30.00
y.	Finger Prints Of Crude Oils			

1)	Pristane / Phytane Ratio (Gas Chromatography)	Per sample	US\$	200.00
2)	Determination of Functional Group (IR Spectrometry)	Per sample	US\$	76.00
3)	Vanadium / Nickel Ratio (AAS)	Per sample	US\$	30.00
4)	Sulfur Content (ASTM D-1551 Mod.)	Per sample	US\$	55.00
5)	Specific Gravity (ASTM D-1298)	Per sample	US\$	13.00
6)	Aromatic and Paraffinic Fraction (Gravimetry)	Per sample	US\$	76.00
7)	Heavy Residual Fraction (by Calculation)	Per sample	US\$	8.00
Z.	Gas Chromatography Analysis			
1)	Routine Gas Analysis C ₁ -C ₇ + H ₂ S + N ₂ , CO, O ₂ , H ₂)	Per sample	US\$	180.00
2)	Gas Gravity (Measured) (IP-59/C)	Per sample	US\$	99.00
3)	Heating Value	Per sample	US\$	27.50
4)	Moisture/ Dew Point (Gravimetry)	Per sample	US\$	25.00
5)	Mercaptane Sulfur (ASTM D-2385)	Per sample	US\$	55.00
6)	Hydrogen Sulfide (ASTM D-2385)	Per sample	US\$	55.00
7)	Carbonyl Sulfide (UOP-212)	Per sample	US\$	55.00
8)	Impurities of Gas (Argon, Oxygen)	Per sample	US\$	100.00
9)	Crude Rum/ Methanol (N-Propanol, i-Butanol, i-Amyl alcohol)	Per sample	US\$	59.00
10)	Compositional Analysis for Crude Oil:			
a)	C1 - C12	Per sample	US\$	300.00
b)	C1 to C22	Per sample	US\$	350.00
c)	C1 to C30	Per sample	US\$	400.00
d)	Compositional Analysis for Saturated Fraction C10 - C40	Per sample	US\$	200.00
e)	Carbon Tetra Chloride	Per sample	US\$	50.00
aa.	Atomic Absorption Spectrophotometry Analysis			
	1) Sample Preparation by Extraction and Ashing (Such as Fe, Co, Ni, Cu, Cr, Al, Ba, V in Heavy Petroleum Productor Minerals) per Unsurt	Per unsur	US\$	18.00
	2) Sample Preparation by Extraction (Such as Fe, Co, Ni, Cu, Cr, Al, Ba, V in Light Petroleum Product and Water/Aqua Solution) per Unsurt	Per unsur	US\$	15.00
	3) Sample Preparation by Extraction (only for Pb in Light Petroleum Product)	Per sample	US\$	54.00

	4) Without sample preparation or water sample	Per sample	US\$	11.00
bb. Atomic Emission Spectrophotometry Analysis				
	1) Alkaline Metals (Such as Na,K,Li,etc.) per Unsur	Per sample	US\$	9.00
	2) I.C.P.S.(Induced Couplet Plasma) (such as Ba, Li, Sr, etc.) per Unsur	Per sample	US\$	20.00
cc. Liquid Chromatography Analysis				
	1) Complete Analysis of hydrocarbon	Per sample	US\$	135.00
	2) Hydrocarbon Saturated Only	Per sample	US\$	100.00
	3) Hydrocarbon Aromatic Only	Per sample	US\$	125.00
	4) Hydrocarbon Heavy Product Only	Per sample	US\$	125.00
dd. Infra Red Spectrophotometry Analysis				
	1) Running	Per sample	US\$	30.00
	2) Oil Content	Per sample	US\$	76.00
	3) Ethylene Oxide	Per sample	US\$	50.00
	4) Paraffine + Naphthene + Aromat	Per sample	US\$	100.00
ee. Ultraviolet/Visible Spectrophotometry Analysis				
	1) Mono-, Di- and Poly-aromatic, Total	Per sample	US\$	135.00
	2) Phosphate	Per sample	US\$	30.00
	3) Metals (such as V, Ni), per Unsur	Per sample	US\$	15.00
	4) Chrom Hexavalent	Per sample	US\$	25.00
	5) Methylene Blue Active	Per sample	US\$	25.00
	6) Toluene	Per sample	US\$	30.00
	7) Diolefine Index	Per sample	US\$	30.00
	8) Ultra Violet Radiation	Per sample	US\$	30.00
	9) Chlorophyl	Per sample	US\$	25.00
	10) Fluoride	Per sample	US\$	30.00
	11) Bromide	Per sample	US\$	30.00
	12) Ammonium	Per sample	US\$	30.00
	13) Polyaromatic	Per sample	US\$	125.00
	14) Spectra Synchronous	Per sample	US\$	50.00
	15) Oil Content	Per sample	US\$	76.00
ff. Biotechnology Analysis				

1)	Sulfate Reducing Bacteria (ATCC-7757)	Per sample	US\$	40.00
2)	Sulfur Oxidizing Bacteria (SOB) (Plate Count)	Per sample	US\$	15.00
3)	Total Plate Count (Plate Count)	Per sample	US\$	10.00
4)	Identification and Determination of:		US\$	
a)	Bacteria (Microscopy & Biochemistry)	Per sample	US\$	25.00
b)	Fungi (Microscopy & Visual)	Per sample	US\$	12.00
	5) Biodegradation Crude Oil (Composition by Gas Chromatography)	Per sample	US\$	100.00
	6) Biodegradation Surfactant (Spectroscopy)	Per sample	US\$	30.00
	7) Scale Inhibitor (Boil by Autoclave)	Per sample	US\$	60.00
	8) Coliform Inhibitor Corrosion (Coupon Test)	Per sample	US\$	50.00
	9) Coliform Group (MPN)	Per sample	US\$	20.00
	10) Salinity Shell Water Detector (Water Content Test)	Per sample	US\$	40.00
	11) Viscosity (Viscometer)	Per sample	US\$	17.50
	12) C, H, N (Unsurtary Analyzer)	Per sample	US\$	100.00
	13) BiocorrosionTest (Corrosometer)	Per sample	US\$	150.00
	14) LC ₅₀ (Toxicity)	Per sample	US\$	750.00
	15) Corrosion Rate	Per sample	US\$	27.50
	16) Salmonella (Incubation)	Per sample	US\$	22.50
	17) Benthos (Microscopy)	Per sample	US\$	17.50
	18) Plankton (Microscopy)	Per sample	US\$	22.50
	19) Salinity (Titrimetry)	Per sample	US\$	15.00
	20) Analysis of Legionella (Population, Identification and Determination)	Per sample	US\$	180.00
gg. Sampling				
1)	Personal Charge (One-Man-Job) inside Java (excluded board and lodging)	Per hari	US\$	300.00
2)	Personal Charge (One-Man-Job) Outside Java (excluded board and lodging)	Per hari	US\$	400.00
hh. Others Properties				
1)	Total Solids	Per sample	US\$	27.50
2)	Silica	Per sample	US\$	19.00
3)	Cleaning Ability for (Carbon, Dust, Grease, Oil)	Per sample	US\$	20.00

4) Effect to Insulator (Plastic, Rubber, Varnish, Removal Point)	Per sample	US\$	25.00
5) Residue (Moisture/Water)	Per sample	US\$	25.00
6) Rheology Properties	Per sample	US\$	85.00
7) Aromatic Content	Per sample	US\$	39.00
8) Chlorine Content (Titrimetry)	Per sample	US\$	45.00
9) Sieve Analysis	Per sample	US\$	15.00
10) Residue (API Spec.13A)	Per sample	US\$	30.00
11) Bio degradability	Per sample	US\$	100.00
12) Analysis of Polymer (Polymer Concentration)	Per sample	US\$	90.00

4. APLIKASI

a. Gasoline

1) Copper Strip Corrosion (3 hrs/100i _g ¹ / ₂ C) (ASTM D 130)	Per sample	US\$	27.50
2) Distillation (ASTM D-86)	Per sample	US\$	32.50
3) Doctor Test (IP 130)	Per sample	US\$	16.00
4) Existent Gum (ASTM D-381)	Per sample	US\$	37.50
5) Lead Content (ASTM D-3341)	Per sample	US\$	75.00
6) Mercaptane Sulphur (ASTM D-3327)	Per sample	US\$	50.00
7) Octane Number			
a) F1 - RON Clear (ASTM D-2699)	Per sample	US\$	82.00
b) F1 - RON + 3 cc TEL (ASTM D-2700)	Per sample	US\$	90.00
c) F2 - MON Clear (ASTM D-2700)	Per sample	US\$	82.00
d) F2 - MON + 3 cc TEL (ASTM D-2700)	Per sample	US\$	90.00
8) Reid Vapour Pressure at 100i _g ¹ / ₂ F (ASTM D-323)	Per sample	US\$	31.00
9) Specific Gravity at 60/60i _g ¹ / ₂ F (ASTM D-1298)	Per sample	US\$	13.00
10) Aromatic Content (ASTM D-1319)	Per sample	US\$	39.00
11) Sulfur Content (ASTM D-1266)	Per sample	US\$	55.00

b. Diesel fuel

1) Ash Content (ASTM D-482)	Per sample	US\$	27.50
2) Cetane Number (ASTM D-613)	Per sample	US\$	90.00
3) Calculated Cetane Index (ASTM D-976)	Per sample	US\$	50.50
4) Color ASTM (ASTM D-1500)	Per sample	US\$	13.00

5)	Conradson Carbon Residue (ASTM D-189)	Per sample	US\$	21.00
6)	Copper Strio Corrosion (3 hrs/100i½C) (ASTM D-130)	Per sample	US\$	37.50
7)	Distillation (ASTM D-89)	Per sample	US\$	32.50
8)	Flash Point P.M.C.C. (ASTM D-93)	Per sample	US\$	21.00
9)	Pour Point (ASTM D-97)	Per sample	US\$	22.50
10)	Sediment Content (ASTM D-473)	Per sample	US\$	65.00
11)	Specific Gravity, at 60/60i½F (ASTM D-1298)	Per sample	US\$	13.00
12)	Sulfur Content (ASTM D-1551 Mod.)	Per sample	US\$	55.00
13)	Strong Acid Number (ASTM D-974)	Per sample	US\$	55.00
14)	Viscosity Kinematic at 100i½F (ASTM D-445)	Per sample	US\$	22.50
15)	Water Content (ASTM D-95)	Per sample	US\$	19.00
16)	Diesel Oil Lubricity (HFRR) (ASTM D-6079)	Per sample	US\$	175.00
c. Chassis Dynamometer Test				
1)	Consumption Test	Per sample	US\$	150.00
2)	Power Test	Per sample	US\$	150.00
3)	Emission Test	Per sample	US\$	150.00
d. Multi Cylinder Test (Isuzu Panther Engine 1994)				
1)	Endurance Test, 250 hrs (8 week) (Include. Gasoline and Diesel Fuel Characteristic/ Specification Test, Performance Test), 8 weeks	Per sample	US\$	3,500.00
2)	Performance Test	Per sample	US\$	450.00
e. Lubricant				
	1) Specific Gravity 15/4i½C (ASTM D-1298)	Per sample	US\$	13.00
	2) Kinematic Viscosity at 40i½C (ASTM D-445)	Per sample	US\$	22.50
	3) Kinematic Viscosity at 100i½C (ASTM D-445)	Per sample	US\$	22.50
	4) Viscosity Index (V.I.) (ASTM D-2270)	Per sample	US\$	58.00
	5) Viscosity at Low Temperature (CCS) (ASTM D-5293)	Per sample	US\$	55.00
	6) Viscosity at High Temperature (HTHS) (ASTM D-4683)	Per sample	US\$	68.00

92)	7)	Flash Point COC (ASTM D-	Per sample	US\$	25.00
D-93)	8)	Flash Point P.M.C.C (ASTM	Per sample	US\$	21.00
	9)	Pour Point (ASTM D-97)	Per sample	US\$	22.50
(ASTM D-2896)	10)	Total Base Number (TBN)	Per sample	US\$	55.00
SAN) (ASTM	11)	Total Acid Number (TAN /	Per sample	US\$	55.00
(AAS/ASTM	12)	Metal Content (per metal)	Per sample	US\$	15.00
D-892)	13)	Foaming Tendency (ASTM	Per sample	US\$	55.00
566)	14)	Dropping Point (ASTM D-	Per sample	US\$	22.50
217)	15)	Cone Penetration (ASTM D-	Per sample	US\$	31.00
D-1403)	16)	Worked Penetration (ASTM	Per sample	US\$	37.50
	17)	Color (ASTM D-1500)	Per sample	US\$	13.00
(ASTM D-874)	18)	Sulfated Ash Content	Per sample	US\$	37.50
1551 Mod.)	19)	Sulfur Content (ASTM D-	Per sample	US\$	55.00
3228)	20)	Phosphor Content (X-Ray)	Per sample	US\$	39.50
	21)	Nitrogen Content (ASTM D-	Per sample	US\$	55.00
(Concawe I/72 Mod. + GC)	22)	Oil Mineral Content	Per sample	US\$	91.50
hrs/100i;½C) (ASTM D-130)	23)	Copper Strip Corrosion (3	Per sample	US\$	27.50
	24)	Dielectric Breakdown	Per sample	US\$	41.50
Voltage (ASTM D-877)	25)	Characteristic of Corrosion	Per sample	US\$	9,250.00
	26)	Shear Stability (ASTM D-	Per sample	US\$	300.00
2603)	27)	Extreme Pressure (Four Ball)	Per sample	US\$	300.00
(ASTM D-2783	28)	Extreme Pressure (FZG)	Per sample	US\$	1,250.00
(CEC-L-07-A-71)					

5. TEKNOGAS

a. NATURAL GAS

1) Gas Composition (GPS-2261)

C ₁ i ₆ ½ C ₆ ⁺ , CO ₂ , N ₂ plus physical properties	Per sample	US\$	180.00
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2) Gas Composition (GPS-2261)

a) Hg	Per sample	US\$	55.00
b) e	Per sample	US\$	54.00
c) Pb	Per sample	US\$	54.00
d) Zn	Per sample	US\$	54.00
e) Na	Per sample	US\$	55.00

3) Sulphur Contents:

a) H ₂ S (ASTM D 2385)	Per sample	US\$	55.00
b) RSH (ASTM D 2385)	Per sample	US\$	55.00
c) COS (UOP 212)	Per sample	US\$	55.00

4) HC Composition of C7-C14 (GPA 2261)	Per sample	US\$	180.00
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5) Water Content (ASTM D 1142)	Per sample	US\$	100.00
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6) Ambient Gas (Drager Tube), (H ₂ S, CO ₂ , CO, NH ₃ , SO ₂ , Water Vapour, Chlorine, Mercaptane, Benzene, Ozone)	Per senyawa	US\$	55.00
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b. ISOTOP

1) Carbon Isotope of Natural Gas (GC-IRMS):	Per senyawa	US\$	100.00
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(CH₄, C₂H₆, C₃H₈, i-C₄H₁₀, n-C₄H₁₀, CO₂)

2) Isotope of Solid/Liquid/Powder (EA-IRMS):	Per senyawa	US\$	50.00
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(Carbon, Nitrogen, Oxygen)

3) Isotope of Water (Duel Inlet-IRMS)	Per senyawa	US\$	50.00
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(Deuterium, Oxygen)

c. LPG

1) HC Composition & Physical Properties (GC)	Per sample	US\$	180.00
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2) Total Sulphur	Per sample	US\$	110.00
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3) Water Content	Per sample	US\$	100.00
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4) Copper Strip Corrosion	Per sample	US\$	55.00
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5)	Weathering Test	Per sample	US\$	26.00
6)	Vapour Pressure	Per sample	US\$	62.00
7)	Specific Gravity	Per sample	US\$	26.00
8)	Volatility	Per sample	US\$	45.00
9)	Residue in LPG	Per sample	US\$	40.00
d.	GAS SAMPLING	Per hari	US\$	400.00
e.	OTHER INSTRUMENTATION			
1)	Determination of functional group on HC sample (FTIR). (gas, liquid, solid)	Per sample	US\$	25.00
2)	Determination of molecular markers and molecular structure identification from Petroleum Geology/Geochemistry (GC-MSDS)	Per sample	US\$	180.00
3)	Determination of Chemical Coordination (complex compounds) Aromatic & aliphatic in oil/liquid samples (UV-VIS)	Per sample	US\$	30.00
f.	CORROSION TEST LABORATORY			
1)	Laboratorium Jasa Pengujian			
a)	Salt spray (fog) testing for simulates plant environment corrosion condition for several material using salt solution, 96 hours period of test, 1-5 coupon (s) each test (ASTM B 117)	Per uji	US\$	971.00
b)	Modified salt spray (fog) testing for simulates plant environmental corrosion condition for several material using substitute ocean water, 96 hours period of test, 1-5 coupon(s) each test (ASTM G 85 & ASTM D 1141)	Per uji	US\$	980.00
c)	Copper accelerated septic acid-salt spray (fog) testing (CASS Testing), 96 hours period of test, 1-5 coupon(s) each test (ASTM B 386)	Per uji	US\$	979.00
d)	Laboratory corrosion testing of metal in any mediums/fluids using immersion method (Kettle Test), using synthetic brine water bubbled with CO ₂ gas; 7 days period of test; corrosion rates provided by both of LPR/ER probes and weight lose method (NACE TM 169 & ASTM G 31)	Per uji	US\$	2,587.00
e)	Chemical compatibility test for inhibitor	Per uji	US\$	134.00
f)	Emulsion tendency test for inhibitor	Per uji	US\$	182.00

g) Foaming tendency & stability test for inhibitor	Per uji	US\$	119.00
h) Rack gunking test for inhibitor	Per uji	US\$	191.00
i) Jet impingement test for inhibitor	Per uji	US\$	1,766.00
j) Thermal stability test for inhibitor	Per uji	US\$	1,747.00
k) Corrosion coupon processing from fields (NACE RP 775)	Per uji	US\$	180.00

2) Inspeksi Lapangan dan Monitoring

a) Inspection of pipe/vessel/tank coating holiHaris (NACE RP 188)	Per hari	US\$	375.00
b) Measurement of coating thickness of metal or non metal surfaces (ASTM D 1186)	Per hari	US\$	370.00
c) Inspection of existing pipe/vessel/tank coating defects	Per hari	US\$	376.00
d) Inspection of wall thickness (tank/vessel/pipe) using B-scanning System TMI i _g 1/2 150 (API 653)	Per hari	US\$	996.00
e) Inspection of wall thickness (tank/vessel/pipe) using T SCOPE DL (API 653)	Per hari	US\$	654.00
f) Flaw detection of metal using EPOCH III (API 653)	Per hari	US\$	706.00
g) Routine cathodic protection reading on Test Post (NACE RP 169)	Per hari	US\$	370.00
h) Close Potential Logging (CPL) for cathodic protection (NACE RP 792)	Per hari	US\$	687.00
i) Interference testing of cathodic protection system (NACE RP 169)	Per hari	US\$	384.00
j) Insulating joint inspection of pipe lines (NACE RP 286)	Per hari	US\$	98.00
k) Field measurement of soil resistivity (ASTM G 57)	Per hari	US\$	376.00
l) Soil pH measurement (ASTM G 51)	Per hari	US\$	401.00
m) Soil salinity, conductivity and temperature measurement	Per hari	US\$	372.00
n) Potential soil gradient measurement	Per hari	US\$	384.00
o) Field corrosion rate measurement with Corrosometer	Per titik	US\$	98.00
p) Pipes and cables location	Per hari	US\$	377.00

g. Laboratorium Uji Silinder

1) Cylinder test for NGV's (AS 2337.1/AS 2030.1)	Per uji	US\$	25.00
2) Plastometer(ISO R 1133/ASTM D 1238/SII-0573-81)	Per uji	US\$	25.00
3) Tensile (ASTM D 638M/SII-0431-81/ISO-1167/ISO/DIS 6259)	Per uji	US\$	25.00
4) Hot Stage Microscope (ASTM D 789 / ASTM D 2117)	Per uji	US\$	25.00
5) Hot Bench	Per uji	US\$	25.00
6) Volatility (ISO 4437)	Per uji	US\$	55.00
7) Heat Reversion (ISO 2505/1, ISO 2502/2)	Per uji	US\$	55.00
8) Hardness	Per uji	US\$	35.00
9) Diaphragm Flow Meter (NIST 38126)	Per uji	US\$	35.00
10) Wet Test Meter (ASTM E95 / D 1071-78a)	Per uji	US\$	25.00
11) Dead Weight Tester (NIST 38126)	Per uji	US\$	25.00

B. Pusat Penelitian Dan Pengembangan Teknologi Mineral Dan Batubara

1. ANALISIS DAN PENGUJIAN MINERAL

a. JASA PREPARASI

1) Batuan Sedimen	Per sample	Rp	50.000,00
2) Batuan Beku	Per sample	Rp	50.000,00
3) Batuan Metamorf	Per sample	Rp	50.000,00

b. JASA ANALISIS KIMIA

1) BATU GAMPING

a) CaO total (Kompleksometri/Volumetri)	Per sample	Rp	20.000,00
b) CaO bebas (Volumetri)	Per sample	Rp	30.000,00
c) MgO (Kompleksometri/Volumetri)	Per sample	Rp	20.000,00
d) MgO (AAS)	Per sample	Rp	15.000,00
e) LOI (Gravimetri)	Per sample	Rp	12.000,00
f) Bagian tidak larut dalam Asam/HCl (Gravimetri)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
i) Al ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
j) K ₂ O (AAS)	Per sample	Rp	12.000,00
k) Na ₂ O (AAS)	Per sample	Rp	12.000,00
l) P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	20.000,00
m) SO ₃ (Turbidimetri)	Per sample	Rp	20.000,00
n) SO ₃ (Gravimetri)	Per sample	Rp	25.000,00
o) Cl ⁻ (Volumetri)	Per sample	Rp	20.000,00
p) H ₂ O ⁻	Per sample	Rp	10.000,00

2) KALSIT

a) CaO total (Kompleksometri/Volumetri)	Per sample	Rp	20.000,00
b) CaO bebas (Volumetri)	Per sample	Rp	30.000,00
c) MgO (Kompleksometri/Volumetri)	Per sample	Rp	20.000,00
d) MgO (AAS)	Per sample	Rp	15.000,00
e) LOI (Gravimetri)	Per sample	Rp	12.000,00
f) Bagian tidak larut dalam Asam / HCl (Gravimetri)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
i) Al ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
j) K ₂ O (AAS)	Per sample	Rp	12.000,00
k) Na ₂ O (AAS)	Per sample	Rp	12.000,00
l) P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	20.000,00
m) SO ₃ (Turbidimetri)	Per sample	Rp	20.000,00
n) SO ₃ (Gravimetri)	Per sample	Rp	25.000,00
o) Cl ⁻ (Volumetri)	Per sample	Rp	20.000,00
p) H ₂ O ⁻	Per sample	Rp	10.000,00

3) DOLOMIT

a) CaO total (Kompleksometri/Volumetri)	Per sample	Rp	20.000,00
b) MgO (Kompleksometri/Volumetri)	Per sample	Rp	30.000,00
c) CaO bebas (Volumetri)	Per sample	Rp	20.000,00
d) MgO (AAS)	Per sample	Rp	15.000,00
e) LOI (Gravimetri)	Per sample	Rp	12.000,00
f) Bagian tidak larut dalam Asam/HCl (Gravimetri)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
i) Al ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
j) K ₂ O (AAS)	Per sample	Rp	12.000,00
k) Na ₂ O (AAS)	Per sample	Rp	12.000,00
l) P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	20.000,00
m) SO ₃ (Turbidimetri)	Per sample	Rp	20.000,00
n) SO ₃ (Gravimetri)	Per sample	Rp	25.000,00
o) Cl ⁻ (Volumetri)	Per sample	Rp	20.000,00
p) H ₂ O ⁻	Per sample	Rp	10.000,00

4) KAPUR TOHOR

a) CaO total (Kompleksometri/Volumetri)	Per sample	Rp	20.000,00
b) MgO (Kompleksometri/Volumetri)	Per sample	Rp	30.000,00
c) CaO bebas (Volumetri)	Per sample	Rp	20.000,00
d) MgO (AAS)	Per sample	Rp	15.000,00
e) LOI (Gravimetri)	Per sample	Rp	12.000,00
f) Bagian tidak larut dalam Asam/HCl (Gravimetri)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
i) Al ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
j) K ₂ O (AAS)	Per sample	Rp	12.000,00
k) Na ₂ O (AAS)	Per sample	Rp	12.000,00
l) P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	20.000,00
m) SO ₃ (Turbidimetri)	Per sample	Rp	20.000,00
n) SO ₃ (Gravimetri)	Per sample	Rp	25.000,00
o) Cl ⁻ (Volumetri)	Per sample	Rp	20.000,00
p) H ₂ O ⁻	Per sample	Rp	10.000,00

5) MARMER

a) CaO total (Kompleksometri/Volumetri)	Per sample	Rp	20.000,00
b) MgO (Kompleksometri/Volumetri)	Per sample	Rp	30.000,00
c) CaO bebas (Volumetri)	Per sample	Rp	20.000,00
d) MgO (AAS)	Per sample	Rp	15.000,00
e) LOI (Gravimetri)	Per sample	Rp	12.000,00
f) Bagian tidak larut dalam Asam/HCl (Gravimetri)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
i) Al ₂ O ₃ (AAS)	Per sample	Rp	20.000,00

j) K ₂ O (AAS)	Per sample	Rp	12.000,00
k) Na ₂ O (AAS)	Per sample	Rp	12.000,00
l) P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	20.000,00
m) SO ₃ (Turbidimetri)	Per sample	Rp	20.000,00
n) SO ₃ (Gravimetri)	Per sample	Rp	25.000,00
o) CL ⁻ (Volumetri)	Per sample	Rp	20.000,00
p) H ₂ O ⁻	Per sample	Rp	10.000,00
6) LEMPUNG			
a) SiO ₂ (AAS)	Per sample	Rp	20.000,00
b) AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e) AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f) TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g) CaO (AAS)	Per sample	Rp	15.000,00
h) MgO (AAS)	Per sample	Rp	15.000,00
i) K ₂ O (AAS)	Per sample	Rp	12.000,00
j) Na ₂ O (AAS)	Per sample	Rp	12.000,00
k) MnO (AAS)	Per sample	Rp	12.000,00
l) H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m) H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n) LOI (Gravimetri)	Per sample	Rp	12.000,00
7) KAOLIN			
a) SiO ₂ (AAS)	Per sample	Rp	20.000,00
b) AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e) AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f) TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g) CaO (AAS)	Per sample	Rp	15.000,00
h) MgO (AAS)	Per sample	Rp	15.000,00
i) K ₂ O (AAS)	Per sample	Rp	12.000,00
j) Na ₂ O (AAS)	Per sample	Rp	12.000,00
k) MnO (AAS)	Per sample	Rp	12.000,00
l) H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m) H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n) LOI (Gravimetri)	Per sample	Rp	12.000,00
8) BENTONIT			
a) SiO ₂ (AAS)	Per sample	Rp	20.000,00
b) AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e) AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00

f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
9) ZEOLIT				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
10) BALL CLAY				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
11) FELSPAR				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00

e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
12) TUFA				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
13) TRASS				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
14) PERLIT				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00

d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
15) MIKA				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
16) DIATOME				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
17) PUMICE				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00

c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
18) BATU APUNG DAN TANAH				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
19) ABU BATU BARA				
a)	SiO ₂ (AAS)	Per sample	Rp	20.000,00
b)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
e)	AL ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	MnO (AAS)	Per sample	Rp	12.000,00
l)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
m)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
n)	LOI (Gravimetri)	Per sample	Rp	12.000,00
20) GALENA				
a)	Au (Fire assay-AAS)	Per sample	Rp	45.000,00
b)	Ag (Fire assay-AAS)	Per sample	Rp	45.000,00

c)	Au + Ag (Fire assay-AAS)	Per sample	Rp	60.000,00
d)	Pb (AAS)	Per sample	Rp	10.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	Zn (AAS)	Per sample	Rp	10.000,00
g)	Fe (AAS)	Per sample	Rp	12.000,00
h)	Mn (AAS)	Per sample	Rp	12.000,00
i)	Cd (AAS)	Per sample	Rp	12.000,00
j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	As (Spektrofotometri)	Per sample	Rp	30.000,00
l)	Sb (AAS)	Per sample	Rp	20.000,00
m)	Bi (AAS)	Per sample	Rp	20.000,00
n)	Pt (Fire assay-AAS)	Per sample	Rp	40.000,00
o)	Pd (Fire assay-AAS)	Per sample	Rp	40.000,00
p)	Fe (Volumetri)	Per sample	Rp	20.000,00
21) PIRIT				
a)	Au (Fire assay-AAS)	Per sample	Rp	45.000,00
b)	Ag (Fire assay-AAS)	Per sample	Rp	45.000,00
c)	Au + Ag (Fire assay-AAS)	Per sample	Rp	60.000,00
d)	Pb (AAS)	Per sample	Rp	10.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	Zn (AAS)	Per sample	Rp	10.000,00
g)	Fe (AAS)	Per sample	Rp	12.000,00
h)	Mn (AAS)	Per sample	Rp	12.000,00
i)	Cd (AAS)	Per sample	Rp	12.000,00
j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	As (Spektrofotometri)	Per sample	Rp	30.000,00
l)	Sb (AAS)	Per sample	Rp	20.000,00
m)	Bi (AAS)	Per sample	Rp	20.000,00
n)	Pt (Fire assay-AAS)	Per sample	Rp	40.000,00
o)	Pd (Fire assay-AAS)	Per sample	Rp	40.000,00
p)	Fe (Volumetri)	Per sample	Rp	20.000,00
22) KALKOPIRIT				
a)	Au (Fire assay-AAS)	Per sample	Rp	45.000,00
b)	Ag (Fire assay-AAS)	Per sample	Rp	45.000,00
c)	Au + Ag (Fire assay-AAS)	Per sample	Rp	60.000,00
d)	Pb (AAS)	Per sample	Rp	10.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	Zn (AAS)	Per sample	Rp	10.000,00
g)	Fe (AAS)	Per sample	Rp	12.000,00
h)	Mn (AAS)	Per sample	Rp	12.000,00
i)	Cd (AAS)	Per sample	Rp	12.000,00
j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	As (Spektrofotometri)	Per sample	Rp	30.000,00
l)	Sb (AAS)	Per sample	Rp	20.000,00
m)	Bi (AAS)	Per sample	Rp	20.000,00
n)	Pt (Fire assay-AAS)	Per sample	Rp	40.000,00
o)	Pd (Fire assay-AAS)	Per sample	Rp	40.000,00
p)	Fe (Volumetri)	Per sample	Rp	20.000,00
23) SPALERIT				
a)	Au (Fire assay-AAS)	Per sample	Rp	45.000,00

b)	Ag (Fire assay-AAS)	Per sample	Rp	45.000,00
c)	Au + Ag (Fire assay-AAS)	Per sample	Rp	60.000,00
d)	Pb (AAS)	Per sample	Rp	10.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	Zn (AAS)	Per sample	Rp	10.000,00
g)	Fe (AAS)	Per sample	Rp	12.000,00
h)	Mn (AAS)	Per sample	Rp	12.000,00
i)	Cd (AAS)	Per sample	Rp	12.000,00
j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	As (Spektrofotometri)	Per sample	Rp	30.000,00
l)	Sb (AAS)	Per sample	Rp	20.000,00
m)	Bi (AAS)	Per sample	Rp	20.000,00
n)	Pt (Fire assay-AAS)	Per sample	Rp	40.000,00
o)	Pd (Fire assay-AAS)	Per sample	Rp	40.000,00
p)	Fe (Volumetri)	Per sample	Rp	20.000,00

24) ANTIMON

a)	Au (Fire assay-AAS)	Per sample	Rp	45.000,00
b)	Ag (Fire assay-AAS)	Per sample	Rp	45.000,00
c)	Au + Ag (Fire assay-AAS)	Per sample	Rp	60.000,00
d)	Pb (AAS)	Per sample	Rp	10.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	Zn (AAS)	Per sample	Rp	10.000,00
g)	Fe (AAS)	Per sample	Rp	12.000,00
h)	Mn (AAS)	Per sample	Rp	12.000,00
i)	Cd (AAS)	Per sample	Rp	12.000,00
j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	As (Spektrofotometri)	Per sample	Rp	30.000,00
l)	Sb (AAS)	Per sample	Rp	20.000,00
m)	Bi (AAS)	Per sample	Rp	20.000,00
n)	Pt (Fire assay-AAS)	Per sample	Rp	40.000,00
o)	Pd (Fire assay-AAS)	Per sample	Rp	40.000,00
p)	Fe (Volumetri)	Per sample	Rp	20.000,00

25) EMAS

a)	Au (Fire assay-AAS)	Per sample	Rp	45.000,00
b)	Ag (Fire assay-AAS)	Per sample	Rp	45.000,00
c)	Au + Ag (Fire assay-AAS)	Per sample	Rp	60.000,00
d)	Pb (AAS)	Per sample	Rp	10.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	Zn (AAS)	Per sample	Rp	10.000,00
g)	Fe (AAS)	Per sample	Rp	12.000,00
h)	Mn (AAS)	Per sample	Rp	12.000,00
i)	Cd (AAS)	Per sample	Rp	12.000,00
j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	As (Spektrofotometri)	Per sample	Rp	30.000,00
l)	Sb (AAS)	Per sample	Rp	20.000,00
m)	Bi (AAS)	Per sample	Rp	20.000,00
n)	Pt (Fire assay-AAS)	Per sample	Rp	40.000,00
o)	Pd (Fire assay-AAS)	Per sample	Rp	40.000,00
p)	Fe (Volumetri)	Per sample	Rp	20.000,00

26) PERAK

a)	Au (Fire assay-AAS)	Per sample	Rp	45.000,00
b)	Ag (Fire assay-AAS)	Per sample	Rp	45.000,00
c)	Au + Ag (Fire assay-AAS)	Per sample	Rp	60.000,00
d)	Pb (AAS)	Per sample	Rp	10.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	Zn (AAS)	Per sample	Rp	10.000,00
g)	Fe (AAS)	Per sample	Rp	12.000,00
h)	Mn (AAS)	Per sample	Rp	12.000,00
i)	Cd (AAS)	Per sample	Rp	12.000,00
j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	As (Spektrofotometri)	Per sample	Rp	30.000,00
l)	Sb (AAS)	Per sample	Rp	20.000,00
m)	Bi (AAS)	Per sample	Rp	20.000,00
n)	Pt (Fire assay-AAS)	Per sample	Rp	40.000,00
o)	Pd (Fire assay-AAS)	Per sample	Rp	40.000,00
p)	Fe (Volumetri)	Per sample	Rp	20.000,00
27) PASIR KUARSA				
a)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
b)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
c)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
d)	Cr ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
e)	ZrO ₂ (AAS)	Per sample	Rp	50.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
l)	LOI (Gravimetri)	Per sample	Rp	12.000,00
m)	Sn (AAS)	Per sample	Rp	30.000,00
28) BATU KUARSA				
a)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
b)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
c)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
d)	Cr ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
e)	ZrO ₂ (AAS)	Per sample	Rp	50.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
l)	LOI (Gravimetri)	Per sample	Rp	12.000,00
m)	Sn (AAS)	Per sample	Rp	30.000,00
29) PASIR ZIRCON				
a)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00

b)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
c)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
d)	Cr ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
e)	ZrO ₂ (AAS)	Per sample	Rp	50.000,00
f)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
g)	CaO (AAS)	Per sample	Rp	15.000,00
h)	MgO (AAS)	Per sample	Rp	15.000,00
i)	K ₂ O (AAS)	Per sample	Rp	12.000,00
j)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
k)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
l)	LOI (Gravimetri)	Per sample	Rp	12.000,00
m)	Sn (AAS)	Per sample	Rp	30.000,00

30) BIJIH BESI

a)	Fe total (Volumetri)	Per sample	Rp	20.000,00
b)	FeO (Volumetri)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
d)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
e)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
f)	SO ₃ (Gravimetri)	Per sample	Rp	30.000,00
g)	S tot (Gravimetri)	Per sample	Rp	30.000,00
h)	V (AAS)	Per sample	Rp	30.000,00
i)	Cr ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
j)	Ni (AAS)	Per sample	Rp	15.000,00
k)	Co (AAS)	Per sample	Rp	15.000,00
l)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
m)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
n)	CaO (AAS)	Per sample	Rp	15.000,00
o)	MgO (AAS)	Per sample	Rp	15.000,00
p)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00

31) PASIR BESI

a)	Fe total (Volumetri)	Per sample	Rp	20.000,00
b)	FeO (Volumetri)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
d)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
e)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
f)	SO ₃ (Gravimetri)	Per sample	Rp	30.000,00
g)	S tot (Gravimetri)	Per sample	Rp	30.000,00
h)	V (AAS)	Per sample	Rp	30.000,00
i)	Cr ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
j)	Ni (AAS)	Per sample	Rp	15.000,00
k)	Co (AAS)	Per sample	Rp	15.000,00
l)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
m)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
n)	CaO (AAS)	Per sample	Rp	15.000,00
o)	MgO (AAS)	Per sample	Rp	15.000,00

p)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
32) LATERIT				
a)	Fe total (Volumetri)	Per sample	Rp	20.000,00
b)	FeO (Volumetri)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
d)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
e)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
f)	SO ₃ (Gravimetri)	Per sample	Rp	30.000,00
g)	S tot (Gravimetri)	Per sample	Rp	30.000,00
h)	V (AAS)	Per sample	Rp	30.000,00
i)	Cr ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
j)	Ni (AAS)	Per sample	Rp	15.000,00
k)	Co (AAS)	Per sample	Rp	15.000,00
l)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
m)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
n)	CaO (AAS)	Per sample	Rp	15.000,00
o)	MgO (AAS)	Per sample	Rp	15.000,00
p)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
33) PELAT BESI				
a)	Fe total (Volumetri)	Per sample	Rp	20.000,00
b)	FeO (Volumetri)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (Volumetri)	Per sample	Rp	20.000,00
d)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
e)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
f)	SO ₃ (Gravimetri)	Per sample	Rp	30.000,00
g)	S tot (Gravimetri)	Per sample	Rp	30.000,00
h)	V (AAS)	Per sample	Rp	30.000,00
i)	Cr ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
j)	Ni (AAS)	Per sample	Rp	15.000,00
k)	Co (AAS)	Per sample	Rp	15.000,00
l)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
m)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
n)	CaO (AAS)	Per sample	Rp	15.000,00
o)	MgO (AAS)	Per sample	Rp	15.000,00
p)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
34) BATUAN FOSFAT				
a)	P ₂ O ₅ total (Spektrofotometri)	Per sample	Rp	30.000,00
b)	P ₂ O ₅ CAS (Spektrofotometri)	Per sample	Rp	30.000,00
c)	CaO (Volumetri)	Per sample	Rp	20.000,00
d)	CaO (AAS)	Per sample	Rp	15.000,00
e)	MgO (AAS)	Per sample	Rp	15.000,00
f)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
g)	Al ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
h)	LOI (Gravimetri)	Per sample	Rp	12.000,00
i)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
j)	F (Spektrofotometri)	Per sample	Rp	30.000,00

k)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
l)	MnO (AAS)	Per sample	Rp	12.000,00
35) BIJIH MANGAN				
a)	Mn total (Volumetri)	Per sample	Rp	20.000,00
b)	MnO ₂ (Volumetri)	Per sample	Rp	20.000,00
c)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
d)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	25.000,00
e)	Cu (AAS)	Per sample	Rp	10.000,00
f)	CaO (AAS)	Per sample	Rp	15.000,00
g)	MgO (AAS)	Per sample	Rp	15.000,00
h)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
i)	BaO (AAS)	Per sample	Rp	15.000,00
j)	SO ₃ (Gravimetri)	Per sample	Rp	20.000,00
k)	Al ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
l)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
36) BIJIH BAUKSIT				
a)	SiO ₂ total (Gravimetri)	Per sample	Rp	25.000,00
b)	SiO rektif (Gravimetri)	Per sample	Rp	25.000,00
c)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
d)	AL ₂ O ₃ (Gravimetri)	Per sample	Rp	20.000,00
e)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
f)	Fe ₂ O ₃ (Volumetri)	Per sample	Rp	15.000,00
g)	FeO (Volumetri)	Per sample	Rp	20.000,00
h)	TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
i)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
j)	CaO (AAS)	Per sample	Rp	15.000,00
k)	MgO (AAS)	Per sample	Rp	15.000,00
l)	K ₂ O (AAS)	Per sample	Rp	12.000,00
m)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
n)	H ₂ O ⁺ (Gravimetri)	Per sample	Rp	12.000,00
o)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
p)	LOI (Gravimetri)	Per sample	Rp	12.000,00
37) BARIT				
a)	BaO (Gravimetri)	Per sample	Rp	30.000,00
b)	BaO (AAS)	Per sample	Rp	20.000,00
c)	SO ₃ (Gravimetri)	Per sample	Rp	30.000,00
d)	CaO (AAS)	Per sample	Rp	15.000,00
e)	MgO (AAS)	Per sample	Rp	15.000,00
f)	SrO (AAS)	Per sample	Rp	15.000,00
g)	SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
i)	AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
j)	LOI (Gravimetri)	Per sample	Rp	12.000,00
k)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00

38) BARIUM KARBONAT

a) BaO (Gravimetri)	Per sample	Rp	30.000,00
b) BaO (AAS)	Per sample	Rp	20.000,00
c) SO ₃ (Gravimetri)	Per sample	Rp	30.000,00
d) CaO (AAS)	Per sample	Rp	15.000,00
e) MgO (AAS)	Per sample	Rp	15.000,00
f) SrO (AAS)	Per sample	Rp	15.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
i) AL ₂ O ₃ (AAS)	Per sample	Rp	20.000,00
j) LOI (Gravimetri)	Per sample	Rp	12.000,00
k) H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00

39) BIJIH TIMAH

a) Sn (Volumetri)	Per sample	Rp	30.000,00
b) Sn (AAS)	Per sample	Rp	30.000,00
c) Sb (AAS)	Per sample	Rp	20.000,00
d) As (Spektrofotometri)	Per sample	Rp	30.000,00
e) Bi (AAS)	Per sample	Rp	30.000,00
f) Fe total (AAS)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Cu (AAS)	Per sample	Rp	10.000,00
i) Pb (AAS)	Per sample	Rp	10.000,00
j) S total (Gravimetri)	Per sample	Rp	30.000,00
k) P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
l) CaO (AAS)	Per sample	Rp	15.000,00

40) ANTIMON

a) Sn (Volumetri)	Per sample	Rp	30.000,00
b) Sn (AAS)	Per sample	Rp	30.000,00
c) Sb (AAS)	Per sample	Rp	20.000,00
d) As (Spektrofotometri)	Per sample	Rp	30.000,00
e) Bi (AAS)	Per sample	Rp	30.000,00
f) Fe total (AAS)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Cu (AAS)	Per sample	Rp	10.000,00
i) Pb (AAS)	Per sample	Rp	10.000,00
j) S total (Gravimetri)	Per sample	Rp	30.000,00
k) P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
l) CaO (AAS)	Per sample	Rp	15.000,00

41) BISMUT

a) Sn (Volumetri)	Per sample	Rp	30.000,00
b) Sn (AAS)	Per sample	Rp	30.000,00
c) Sb (AAS)	Per sample	Rp	20.000,00
d) As (Spektrofotometri)	Per sample	Rp	30.000,00
e) Bi (AAS)	Per sample	Rp	30.000,00
f) Fe total (AAS)	Per sample	Rp	12.000,00
g) SiO ₂ (Gravimetri)	Per sample	Rp	25.000,00
h) Cu (AAS)	Per sample	Rp	10.000,00
i) Pb (AAS)	Per sample	Rp	10.000,00

j)	S total (Gravimetri)	Per sample	Rp	30.000,00
k)	P ₂ O ₅ (Spektrofotometri)	Per sample	Rp	30.000,00
l)	CaO (AAS)	Per sample	Rp	15.000,00
42) GIPSUM				
a)	CaO (Volumetri)	Per sample	Rp	30.000,00
b)	CaO (AAS)	Per sample	Rp	20.000,00
c)	MgO (AAS)	Per sample	Rp	15.000,00
d)	SO ₃ (Gravimetri)	Per sample	Rp	30.000,00
e)	Fe ₂ O ₃ (AAS)	Per sample	Rp	12.000,00
f)	AL ₂ O ₃ (AAS)	Per sample	Rp	15.000,00
g)	BaO (AAS)	Per sample	Rp	15.000,00
h)	K ₂ O (AAS)	Per sample	Rp	12.000,00
i)	Na ₂ O (AAS)	Per sample	Rp	12.000,00
j)	H ₂ O (Gravimetri)	Per sample	Rp	10.000,00
43) AIR SUMUR				
a)	PH (PH-meter)	Per sample	Rp	8.000,00
b)	Temperatur (TCS meter)	Per sample	Rp	10.000,00
c)	DHL (Conductivitimeter)	Per sample	Rp	8.000,00
d)	TDS (Gravimetri)	Per sample	Rp	8.000,00
e)	TSS (Gravimetri)	Per sample	Rp	12.000,00
f)	Salinitas (Salinitimeter)	Per sample	Rp	4.000,00
g)	Kekeruhan (Turbidimetri)	Per sample	Rp	5.000,00
h)	Warna (Spektrofotometri)	Per sample	Rp	10.000,00
i)	Asiditas (Volumetri)	Per sample	Rp	10.000,00
j)	Alkalinitas (Volumetri)	Per sample	Rp	10.000,00
k)	Kesadahan ↵ D (Volumetri)	Per sample	Rp	10.000,00
l)	CL (Volumetri)	Per sample	Rp	12.000,00
m)	SO ₄ (Turbidimetri)	Per sample	Rp	15.000,00
n)	N-NO ₂ (Spektrofotometri)	Per sample	Rp	15.000,00
o)	N-NO ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
p)	H ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
q)	N-total (Keydal-Spektrofotometri)	Per sample	Rp	30.000,00
r)	P-total (Spektrofotometri)	Per sample	Rp	30.000,00
s)	P-PO ₄ (Spektrofotometri)	Per sample	Rp	15.000,00
t)	DO (Volumetri)	Per sample	Rp	20.000,00
u)	BOD (Volumetri)	Per sample	Rp	30.000,00
v)	COD (Volumetri)	Per sample	Rp	20.000,00
w)	Residu total (Gravimetri)	Per sample	Rp	20.000,00
x)	HCO ₃ (Volumetri)	Per sample	Rp	10.000,00
y)	Fenol (Spektrofotometri)	Per sample	Rp	25.000,00
z)	Lemak (Spektrofotometri)	Per sample	Rp	25.000,00
aa)	Hg (Merkury analyser)	Per sample	Rp	30.000,00
bb)	As (Spektrofotometri)	Per sample	Rp	30.000,00
cc)	Pb, Cu, Zn, Fe, Mn, Ni, Cd, Ca, Mg, K, Na (AAS)	Per sample	Rp	10.000,00
dd)	Al (AAS)	Per sample	Rp	20.000,00
ee)	H ₂ S	Per sample	Rp	10.000,00
ff)	CN bebas	Per sample	Rp	20.000,00

gg)	CN total	Per sample	Rp	30.000,00
hh)	CO (Kobalt) masing-masing	Per sample	Rp	20.000,00
ii)	Selenium	Per sample	Rp	15.000,00
jj)	Baron (B)	Per sample	Rp	15.000,00
kk)	Crom (Cr)	Per sample	Rp	20.000,00
ll)	SiO ₂	Per sample	Rp	30.000,00
mm)	F (Fluor)	Per sample	Rp	10.000,00
nn)	Jasa AAS	Per sample	Rp	10.000,00
oo)	Preparasi	Per sample	Rp	5.000,00
44) AIR BOR				
a)	PH (PH-meter)	Per sample	Rp	8.000,00
b)	Temperatur (TCS meter)	Per sample	Rp	10.000,00
c)	DHL (Conductivitimeter)	Per sample	Rp	8.000,00
d)	TDS (Gravimetri)	Per sample	Rp	8.000,00
e)	TSS (Gravimetri)	Per sample	Rp	12.000,00
f)	Salinitas (Salinitimeter)	Per sample	Rp	4.000,00
g)	Kekeruhan (Turbidimetri)	Per sample	Rp	5.000,00
h)	Warna (Spektrofotometri)	Per sample	Rp	10.000,00
i)	Asiditas (Volumetri)	Per sample	Rp	10.000,00
j)	Alkalinitas (Volumetri)	Per sample	Rp	10.000,00
k)	Kesadahan \downarrow D (Volumetri)	Per sample	Rp	10.000,00
l)	CL (Volumetri)	Per sample	Rp	12.000,00
m)	SO ₄ (Turbidimetri)	Per sample	Rp	15.000,00
n)	N-NO ₂ (Spektrofotometri)	Per sample	Rp	15.000,00
o)	N-NO ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
p)	N-NH ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
q)	N-total (Keydal-Spektrofotometri)	Per sample	Rp	30.000,00
r)	P-total (Spektrofotometri)	Per sample	Rp	30.000,00
s)	P-PO ₄ (Spektrofotometri)	Per sample	Rp	15.000,00
t)	DO (Volumetri)	Per sample	Rp	20.000,00
u)	BOD (Volumetri)	Per sample	Rp	30.000,00
v)	COD (Volumetri)	Per sample	Rp	20.000,00
w)	Residu total (Gravimetri)	Per sample	Rp	20.000,00
x)	HCO ₃ (Volumetri)	Per sample	Rp	10.000,00
y)	Fenol (Spektrofotometri)	Per sample	Rp	25.000,00
z)	Lemak (Spektrofotometri)	Per sample	Rp	25.000,00
aa)	Hg (Merkury analyser)	Per sample	Rp	30.000,00
bb)	As (Spektrofotometri)	Per sample	Rp	30.000,00
cc)	Pb, Cu, Zn, Fe, Mn, Ni, Cd, Ca, Mg, K, Na (AAS)	Per sample	Rp	10.000,00
dd)	Al (AAS)	Per sample	Rp	20.000,00
ee)	H ₂ S	Per sample	Rp	10.000,00
ff)	CN bebas	Per sample	Rp	20.000,00
gg)	CN total	Per sample	Rp	30.000,00
hh)	CO (Kobalt) masing-masing	Per sample	Rp	20.000,00
ii)	Selenium	Per sample	Rp	15.000,00
jj)	Baron (B)	Per sample	Rp	15.000,00
kk)	Crom (Cr)	Per sample	Rp	20.000,00
ll)	SiO ₂	Per sample	Rp	30.000,00
mm)	F (Fluor)	Per sample	Rp	10.000,00

nn)	Jasa AAS	Per sample	Rp	10.000,00
oo)	Preparasi	Per sample	Rp	5.000,00
45) AIR SUNGAI				
a)	PH (PH-meter)	Per sample	Rp	8.000,00
b)	Temperatur (TCS meter)	Per sample	Rp	10.000,00
c)	DHL (Conductivitimeter)	Per sample	Rp	8.000,00
d)	TDS (Gravimetri)	Per sample	Rp	8.000,00
e)	TSS (Gravimetri)	Per sample	Rp	12.000,00
f)	Salinitas (Salinitimeter)	Per sample	Rp	4.000,00
g)	Kekeruhan (Turbidimetri)	Per sample	Rp	5.000,00
h)	Warna (Spektrofotometri)	Per sample	Rp	10.000,00
i)	Asiditas (Volumetri)	Per sample	Rp	10.000,00
j)	Alkalinitas (Volumetri)	Per sample	Rp	10.000,00
k)	Kesadahan \downarrow D (Volumetri)	Per sample	Rp	10.000,00
l)	CL (Volumetri)	Per sample	Rp	12.000,00
m)	SO ₄ (Turbidimetri)	Per sample	Rp	15.000,00
n)	N-NO ₂ (Spektrofotometri)	Per sample	Rp	15.000,00
o)	N-NO ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
p)	N-NH ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
q)	N-total (Keydal-Spektrofotometri)	Per sample	Rp	30.000,00
r)	P-total (Spektrofotometri)	Per sample	Rp	30.000,00
s)	P-PO ₄ (Spektrofotometri)	Per sample	Rp	15.000,00
t)	DO (Volumetri)	Per sample	Rp	20.000,00
u)	BOD (Volumetri)	Per sample	Rp	30.000,00
v)	COD (Volumetri)	Per sample	Rp	20.000,00
w)	Residu total (Gravimetri)	Per sample	Rp	20.000,00
x)	HCO ₃ (Volumetri)	Per sample	Rp	10.000,00
y)	Fenol (Spektrofotometri)	Per sample	Rp	25.000,00
z)	Lemak (Spektrofotometri)	Per sample	Rp	25.000,00
aa)	Hg (Merkury analyser)	Per sample	Rp	30.000,00
bb)	As (Spektrofotometri)	Per sample	Rp	30.000,00
cc)	Pb, Cu, Zn, Fe, Mn, Ni, Cd, Ca, Mg, K, Na AAS)	Per sample	Rp	10.000,00
dd)	Al (AAS)	Per sample	Rp	20.000,00
ee)	H ₂ S	Per sample	Rp	10.000,00
ff)	CN bebas	Per sample	Rp	20.000,00
gg)	CN total	Per sample	Rp	30.000,00
hh)	CO (Kobalt) masing-masing	Per sample	Rp	20.000,00
ii)	Selenium	Per sample	Rp	15.000,00
jj)	Baron (B)	Per sample	Rp	15.000,00
kk)	Crom (Cr)	Per sample	Rp	20.000,00
ll)	SiO ₂	Per sample	Rp	30.000,00
mm)	F (Fluor)	Per sample	Rp	10.000,00
nn)	Jasa AAS	Per sample	Rp	10.000,00
oo)	Preparasi	Per sample	Rp	5.000,00
46) AIR LIMBAH				
a)	PH (PH-meter)	Per sample	Rp	8.000,00
b)	Temperatur (TCS meter)	Per sample	Rp	10.000,00
c)	DHL (Conductivitimeter)	Per sample	Rp	8.000,00

d)	TDS (Gravimetri)	Per sample	Rp	8.000,00
e)	TSS (Gravimetri)	Per sample	Rp	12.000,00
f)	Salinitas (Salinitimeter)	Per sample	Rp	4.000,00
g)	Kekeruhan (Turbidimetri)	Per sample	Rp	5.000,00
h)	Warna (Spektrofotometri)	Per sample	Rp	10.000,00
i)	Asiditas (Volumetri)	Per sample	Rp	10.000,00
j)	Alkalinitas (Volumetri)	Per sample	Rp	10.000,00
k)	Kesadahan ↵ D (Volumetri)	Per sample	Rp	10.000,00
l)	CL (Volumetri)	Per sample	Rp	12.000,00
m)	SO ₄ (Turbidimetri)	Per sample	Rp	15.000,00
n)	N-NO ₂ (Spektrofotometri)	Per sample	Rp	15.000,00
o)	N-NO ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
p)	N-NH ₃ (Spektrofotometri)	Per sample	Rp	15.000,00
q)	N-total (Keydal-Spektrofotometri)	Per sample	Rp	30.000,00
r)	P-total (Spektrofotometri)	Per sample	Rp	30.000,00
s)	P-PO ₄ (Spektrofotometri)	Per sample	Rp	15.000,00
t)	DO (Volumetri)	Per sample	Rp	20.000,00
u)	BOD (Volumetri)	Per sample	Rp	30.000,00
v)	COD (Volumetri)	Per sample	Rp	20.000,00
w)	Residu total (Gravimetri)	Per sample	Rp	20.000,00
x)	HCO ₃ (Volumetri)	Per sample	Rp	10.000,00
y)	Fenol (Spektrofotometri)	Per sample	Rp	25.000,00
z)	Lemak (Spektrofotometri)	Per sample	Rp	25.000,00
aa)	Hg (Merkury analyser)	Per sample	Rp	30.000,00
bb)	As (Spektrofotometri)	Per sample	Rp	30.000,00
cc)	Pb, Cu, Zn, Fe, Mn, Ni, Cd, Ca, Mg, K, Na (AAS)	Per sample	Rp	10.000,00
dd)	Al (AAS)	Per sample	Rp	20.000,00
ee)	H ₂ S	Per sample	Rp	10.000,00
ff)	CN bebas	Per sample	Rp	20.000,00
gg)	CN total	Per sample	Rp	30.000,00
hh)	CO (Kobalt) masing-masing	Per sample	Rp	20.000,00
ii)	Selenium	Per sample	Rp	15.000,00
jj)	Baron (B)	Per sample	Rp	15.000,00
kk)	Crom (Cr)	Per sample	Rp	20.000,00
ll)	SiO ₂	Per sample	Rp	30.000,00
mm)	F (Fluor)	Per sample	Rp	10.000,00
nn)	Jasa AAS	Per sample	Rp	10.000,00
oo)	Preparasi	Per sample	Rp	5.000,00

47) KESUBURAN TANAH

a)	PH.H ₂ O (PH-meter)	Per sample	Rp	6.000,00
b)	PH.Kcl (PH-meter)	Per sample	Rp	8.000,00
c)	H ₂ O ⁻ (Gravimetri)	Per sample	Rp	10.000,00
d)	C-Organik (Volumetri)	Per sample	Rp	20.000,00
e)	P-HCL (Spektrofotometri)	Per sample	Rp	20.000,00
f)	N-total (Keydal-Spektrofotometri)	Per sample	Rp	30.000,00
g)	P-total (Spektrofotometri)	Per sample	Rp	30.000,00
h)	K-dalam HCL (AAS)	Per sample	Rp	10.000,00
i)	K-dalam sitrat (AAS)	Per sample	Rp	10.000,00
j)	KTK (Volumetri)	Per sample	Rp	30.000,00

k) Kebutuhan basa (Volumetri)	Per sample	Rp	20.000,00
l) Hg (Mercury analyser)	Per sample	Rp	30.000,00
m) As (Spektrofotometri)	Per sample	Rp	30.000,00
n) TiO ₂ (Spektrofotometri)	Per sample	Rp	20.000,00
o) Pb, Cu, Zn, Fe, Mn, Ki, Cr, AL, TiO ₂ (AAS)	Per sample	Rp	10.000,00

c. JASA ANALISIS FISIK

MINERAL

a) Preparasi	Per sample	Rp	12.000,00
b) Berat jenis (BJ) (Piknometer)	Per sample	Rp	12.000,00
c) Bobot isi (Densitometer)	Per sample	Rp	12.000,00
d) Bulk Density	Per sample	Rp	12.000,00
e) App/True Density	Per sample	Rp	12.000,00
f) Kadar air (Gravimetri)	Per sample	Rp	10.000,00
g) Daya serap terhadap minyak/ air (Gravimetri)	Per sample	Rp	10.000,00
h) Porositas (Gravimetri)	Per sample	Rp	10.000,00
i) Luas permukaan (Volumetri)	Per sample	Rp	20.000,00
j) KTK (Volumetri)	Per sample	Rp	40.000,00
k) Kekentalan/Viscositas (Vistometer)	Per sample	Rp	15.000,00
l) PH 10% padatan (PH meter)	Per sample	Rp	10.000,00
m) Whiteness (Instrumen)	Per sample	Rp	15.000,00
n) Uji Bleaching Power (BP) (Spektrofotometri)	Per sample	Rp	40.000,00
o) Uji Lumpur Bor	Per sample	Rp	80.000,00
p) Ukuran < 400 (Particle Size)	Per sample	Rp	100.000,00
q) Aktivasi bentonit (analyzer)	Per sample	Rp	40.000,00

d. JASA ANALISIS MINERALOGI

1) Analisis Komposisi Mineral (X-RD)	Per sample	Rp	70.000,00
2) Analisis Komposisi Mineral (Petrografi -Mineragrafi)	Per sample	Rp	70.000,00
3) Sayatan tipis (Poles)	Per sample	Rp	40.000,00
4) Sayatan Poles (Poles)	Per sample	Rp	40.000,00
5) Foto mikroskop (Mikroskop)	Per buah	Rp	15.000,00
6) Poles Batu Aji (Poles)	Per cm ² 1/2	Rp	700,00
7) Kekerasan Struktur Mikro (Mikroskop)	Per sample	Rp	50.000,00
8) Distribusi besar butiran (Mikroskop)	Per sample	Rp	150.000,00

e. JASA RESIDU

Kadar Air	Per sample	Rp	35.000,00
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f. JASA INTERPRETASI/PENDAPAT

	Per konsultasi	Rp	50.000,00
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2. ANALISIS DAN PENGUJIAN BATUBARA

JASA ANALISIS

1) Preparasi Contoh (ISO 1988 ASTM D.2013)	Per sample	Rp	25.000,00
2) Proksimat/Proximate			
a) Air Lembab/Air Dried Moisture(ISO 331 ASTM D.3173)	Per sample	Rp	10.000,00
b) Abu/Ash (ISO 1171 ASTM D.3174)	Per sample	Rp	15.000,00
c) Zat terbang/Volatile Matter (ISO 562 ASTM D.3175)	Per sample	Rp	25.000,00
3) Ultimat/Ultimate			

a)	Karbon Total/Total Carbon (ISO 625 ASTM D.3178)	Per sample	Rp	75.000,00
b)	Hidrogen Total/Total Hydrogen (ISO 625 ASTM D.3178)	Per sample	Rp	75.000,00
c)	Nitrogen/Nitrogen (ISO 332 ASTM D.3179)	Per sample	Rp	75.000,00
d)	Belerang Total/Total Sulpur (ISO 351 & ASTM D.3177 & ISO 334 ASTM D.4239)	Per sample	Rp	75.000,00
e)	Karbon Dioksida/Carbon Dioksida (ASTM D.1756)	Per sample	Rp	75.000,00
4)	Khlor / Chlorine (ISO 587 ASTM D.2361)	Per sample	Rp	75.000,00
5)	Posfor / Phosphor (ASTM D.2795)	Per sample	Rp	50.000,00
6)	Nilai Kalor / Calorific Value (ISO 1928 ASTM D.2015)	Per sample	Rp	50.000,00
7)	Bentuk Belerang / Form of Sulphur (ISO 157 ASTM D.2492)			
a)	Belerang Sulfat / Sulfate Sulphur	Per sample	Rp	75.000,00
b)	Belerang Pirit / Pyrite Sulphur	Per sample	Rp	50.000,00
8)	Titik Leleh Abu / Ash Fusibility Temperatures (Oxidising / Reducing) (ISO 540 ASTM D.1857)	Per sample	Rp	200.000,00
9)	Sifat Ketergerusan (HGI)/Hardgrove Grindability Index (ISO 5074 ASTM D.409)	Per sample	Rp	75.000,00
10)	Tipe Kokas (Gray King Coke Type)	Per sample	Rp	50.000,00
11)	Nilai Muai Bebas (FSI) / Free Swelling Index (ISO 501 ASTM D.720)	Per sample	Rp	20.000,00
12)	Berat Jenis Sesungguhnya (TSG) /True Spesific Gravity (ISO 1014 ASTM D.167	Per sample	Rp	20.000,00
13)	Porositas / Porosity (ISO 1014 ASTM D.167)	Per sample	Rp	20.000,00
14)	Bulk Density (ISO 567 ASTM D.)	Per sample	Rp	25.000,00
15)	Drop Shatter Test (ISO 616 ASTM D.440)	Per sample	Rp	50.000,00
16)	Analisa Ayak / Size Analysis (Per fraksi) (ISO 1953 ASTM D. 410)	Per sample	Rp	25.000,00
17)	Petrografi / Petrography (Vitrine, Inertinite, Exinite)	Per sample	Rp	250.000,00
18)	Komposisi Abu / Ash Analysis (SiO ₂ , Al ₂ O ₃ , Fe ₂ O ₃ , CaO, MgO, K ₂ O, Na ₂ O, TiO ₂ , P ₂ O ₅ , MnO ₂ , SO ₃)	Per sample	Rp	200.000,00

3. ANALISIS DAN PENGUJIAN MEKANIKA BATUAN

a. JASA REPARASI

1)	Coring	Per sample	Rp	50.000,00
2)	Pemotongan	Per sample	Rp	50.000,00
3)	Poles	Per sample	Rp	50.000,00
4)	Pembuatan Split	Per sample	Rp	50.000,00

b. JASA ANALISIS SIFAT FISIK

1)	Kadar air	Per sample	Rp	20.000,00
2)	Berat isi	Per sample	Rp	20.000,00
3)	Berat jenis	Per sample	Rp	20.000,00
4)	Daya serap air	Per sample	Rp	20.000,00
5)	Kekerasan	Per sample	Rp	50.000,00
6)	Slake durability	Per sample	Rp	60.000,00

c. JASA ANALISIS SIFAT MEKANIK

1)	Kuat Tekan	Per sample	Rp	120.000,00
2)	Kuat Tarik	Per sample	Rp	60.000,00
3)	Triaxial	Per sample	Rp	150.000,00
4)	Kuat geser Residu	Per sample	Rp	175.000,00

5) Titik load	Per sample	Rp	65.000,00
6) Ultrasonic/dynamic poisson's ratio	Per sample	Rp	65.000,00

d. JASA ANALISIS AGREGAT

1) Daya aus gesek dengan bejana Los Angeles	Per sample	Rp	120.000,00
2) Daya aus tekan dengan bejana Rudeloff	Per sample	Rp	120.000,00
3) Soundnes dgn larutan natrium sulfat (Na ₂ SO ₄)	Per sample	Rp	120.000,00

4. ANALISIS DAN PENGUJIAN MEKANIKA TANAH

a. JASA PREPARASI

1) Pencampuran	Per sample	Rp	40.000,00
2) Pembagian	Per sample	Rp	40.000,00
3) Penggerusan	Per sample	Rp	40.000,00
4) Pencetakan	Per sample	Rp	40.000,00

b. JASA ANALISIS SIFAT FISIK

1) Kadar air	Per sample	Rp	20.000,00
2) Berat isi	Per sample	Rp	20.000,00
3) Berat jenis	Per sample	Rp	20.000,00
4) Analisa ayak	Per sample	Rp	40.000,00
5) Hydrometer	Per sample	Rp	45.000,00
6) Atterberg	Per sample	Rp	40.000,00

c. JASA ANALISIS SIFAT MEKANIK

1) Kuat tekan	Per sample	Rp	40.000,00
2) Kuat geser	Per sample	Rp	75.000,00
3) Konsolidasi	Per sample	Rp	100.000,00
4) Permeabilitas	Per sample	Rp	100.000,00
5) Triaxial UU	Per sample	Rp	100.000,00
6) Triaxial CU	Per sample	Rp	200.000,00
7) Compact Std.	Per sample	Rp	100.000,00
8) Compact Mdf.	Per sample	Rp	150.000,00
9) CBR langsung	Per sample	Rp	120.000,00
10) CBR direndam	Per sample	Rp	180.000,00
11) Soundir	Per sample	Rp	300.000,00

5. ANALISIS DAN PENGUJIAN PENGOLAHAN MINERAL

JASA ANALISIS

1) Pengeringan udara/oven	Per kilo gram	Rp	2.000,00
2) Crushing	Per kilo gram	Rp	3.000,00
3) Blending	Per kilo gram	Rp	3.000,00
4) Sampling/splitting	Per kilo gram	Rp	3.000,00
5) Gerus (10 mesh - 35 mesh)	Per kilo gram	Rp	6.000,00
6) Analisa ayak	Per fraksi	Rp	6.000,00
7) Uji liberasi	Per fraksi	Rp	15.000,00
8) Uji giling	Per kilo gram/uji	Rp	25.000,00
9) Uji ketergilingan/Bond index	Per sample	Rp	500.000,00
10) Uji tabling	Per uji	Rp	25.000,00
11) Uji jigging	Per uji	Rp	25.000,00
12) Uji humprey spiral	Per uji	Rp	25.000,00
13) Uji magnetik	Per uji	Rp	15.000,00
14) Uji elektronik	Per uji	Rp	15.000,00

15) Uji pencucian	Per kilo gram	Rp	6.000,00
16) Uji Sluicing	Per uji	Rp	25.000,00
17) Uji flotasi	Per uji	Rp	50.000,00
18) Uji pelarutan mineral industri	Per gram	Rp	6.000,00
19) Kristalisasi	Per gram	Rp	7.000,00
20) Penguapan	Per liter	Rp	15.000,00
21) Uji peletasi	Per kilo gram	Rp	40.000,00
22) Uji pasir cetak	Per sample	Rp	250.000,00
23) Uji pemanggangan/oksidasi	Per sample	Rp	300.000,00
24) Uji tumbler	Per sample	Rp	25.000,00
25) Uji desintegrasi reduksi	Per sample	Rp	3.000.000,00
26) Uji reduksi	Per sample	Rp	3.000.000,00
27) Uji swelling reduksi	Per sample	Rp	3.000.000,00
28) Uji peleburan ferrous	Per kilo gram	Rp	200.000,00
29) Uji peleburan non-ferrous	Per kilo gram	Rp	200.000,00
30) Pembuatan paduan	Per kilo gram	Rp	200.000,00
31) Amalgamasi	Per kilo gram	Rp	100.000,00
32) Sianidasi	Per sample	Rp	100.000,00
33) Pelarutan dengan reagen lain	Per sample	Rp	80.000,00
34) Carbon in pulp	Per sample	Rp	80.000,00
35) Bioleaching	Per sample	Rp	120.000,00
36) Uji elektroplating nikel	Per cm ² ½	Rp	10.000,00
37) Uji elektroplating krom	Per cm ² ½	Rp	10.000,00
38) Uji elektroplating tembaga	Per cm	Rp	9.000,00
39) Elektrowining	Per gram	Rp	10.000,00

C. PUSAT PENELITIAN DAN PENGEMBANGAN GEOLOGI

1. JASA LABORATORIUM GEOLOGI DAN GEOFISIKA

a. Geokronologi (Geochronology)

1) Kalium Argon (Potassium Argon)

a) Pemisahan Mineral (Mineral Separation)	Per sample	US\$	90.00
b) Preparasi (Preparation)	Per sample	US\$	110.00
c) Penentuan Umur (Age Determination)	Per sample	US\$	160.00

2) Jejak Belah (Fission Track)

a) Pemisahan Mineral (Mineral Separation)	Per sample	US\$	40.00
b) Preparasi (Preparation)	Per sample	US\$	60.00
c) Penentuan Umur (Age Determination)	Per sample	US\$	140.00

3) Radiokarbon (Radiocarbon)

a) Preparasi (Preparation)	Per sample	US\$	80.00
b) Penentuan Umur (Age Determination)	Per sample	US\$	160.00

b. PETROLOGI DAN MINERALOGI (PETROLOGY AND MINERALOGY)

1) Preparasi Percontoh (Sample Preparation)

a) Sayatan Tipis Standar (Standard Thin Section)	Per sample	US\$	10.00
b) Impregnation, Blue-dyed epoxy & Carbonate Stain	Per sample	US\$	15.00
c) Sayatan Tipis Poles (Polished Thin Section)	Per sample	US\$	20.00
d) Pelat Inklusi Fluida (Fluid Inclusion Plate)	Per sample	US\$	25.00

e) Pembuatan Butir Terpoles (Polished Mount)	Per sample	US\$	10.00
2) Analisis contoh (Sample Analysis)			
a) Analisis Petrografi (Petrographic Analysis)	Per sample	US\$	25.00
b) Pemerian Umum (Basic Description)	Per sample	US\$	55.00
c) Pemerian Detail (Detailed Description)	Per sample	US\$	55.00
d) Analisis Mineragrafi (Mineragraphic Analysis)	Per sample	US\$	110.00
e) Petrologi dan Mineragrafi (Combined Petrologic and Mineragraphic Analyses)	Per sample	US\$	125.00
f) Analisis Inklusi Fluida (Fluid Inclusion)	Per sample	US\$	140.00
3) Analisis SEM (Scanning Electron Microscope)	Per sample	US\$	150.00
4) Fotomikrografi (Photomicrograph) Sayatan Tipis			
a) Hitam dan Putih (Black and White)			
(1) Cetakan Pertama (First Print)	Per copy	US\$	10.00
(2) Cetakan Ekstra (Extra copies)	Per copy	US\$	2.00
b) Berwarna (Colour)			
(1) Cetakan Pertama (First Print)	Per copy	US\$	15.00
(2) Cetakan Ekstra (Extra copies)	Per copy	US\$	3.00
c) Sedimentologi (Sedimentology)			
(1) Analisis Besar Butir (Grain Size Analysis)	Per sample	US\$	100.00
(2) Analisis Mineral Berat (Heavy Mineral Analysis)	Per sample	US\$	180.00
c. Paleontologi (Paleontology)			
1) Mikropaleontologi (Micropaleontology)			
a) Analisis Foraminifera (Foraminiferal Analysis)	Per sample	US\$	60.00
b) Analisis Nanoplankton (Calcareous Nannoplankton)	Per sample	US\$	65.00
c) Mikrograf Pemayar Elektron (Scanning Electron Micrograph) fosil mikro	Per sample	US\$	25.00
2) Palinologi (Palynology)			
a) Analisis Kualitatif (Qualitative Palynology)	Per sample	US\$	100.00
b) Analisis Kuantitatif (Quantitative Palynology)	Per sample	US\$	125.00
c) Paleontologi Invertebrata (Invertebrate Paleontology)			
(1) Moluska (Moluscs)	Per sample	US\$	50.00
(2) Brachiopoda (Brachiopods)	Per sample	US\$	50.00
d) Paleontologi Vertebrata (Vertebrate Paleontology)			
(1) Fosil hominid dan non hominid	Per sample	US\$	50.00
(2) Replika specimen hominid	Per sample	US\$	500.00
d. GEOKIMIA (geochemistry)			
1) Analisis Geokimia $\frac{1}{2}$ Batuan (Major and Trace Unsurs), dengan AAS dan Konvensional			
a) SiO ₂	Per sample	US\$	2.00
b) Al ₂ O ₃	Per sample	US\$	2.00
c) Fe ₂ O ₃	Per sample	US\$	2.00
d) FeO	Per sample	US\$	2.00
e) MnO	Per sample	US\$	2.00
f) CaO	Per sample	US\$	2.00
g) MgO	Per sample	US\$	2.00

h) TiO ₂	Per sample	US\$	2.00
i) Na _a O	Per sample	US\$	2.00
j) K ₂ O	Per sample	US\$	2.00
k) P ₂ O ₅	Per sample	US\$	2.00
l) SO ₃	Per sample	US\$	2.00
m) H ₂ O ⁻	Per sample	US\$	1.00
n) H ₂ O ⁺	Per sample	US\$	2.00
o) HD	Per sample	US\$	1.00
p) Ba	Per sample	US\$	2.00
q) Sr	Per sample	US\$	2.00
r) Cr	Per sample	US\$	2.00
s) Co	Per sample	US\$	1.00
t) Ni	Per sample	US\$	1.00
u) Cu	Per sample	US\$	1.00
v) Pb	Per sample	US\$	1.00
w) Zn	Per sample	US\$	1.00
x) Ag	Per sample	US\$	1.00
y) Au	Per sample	US\$	2.50
z) Hg	Per sample	US\$	1.00
aa) As	Per sample	US\$	2.00
bb) Sb	Per sample	US\$	1.00
cc) Li	Per sample	US\$	1.00
dd) Cs	Per sample	US\$	1.00
ee) Cd	Per sample	US\$	1.00

2) Analisis Geokimia 1/2 Air (Geochemical Analysis-Waters)

a) Analisis Percontoh Air			
(1) Kekerusuhan (Turbidity)	Per sample	US\$	1.00
(2) Warna (Colour)	Per sample	US\$	1.00
(3) Bau (Odour)	Per sample	US\$	1.00
(4) Daya Hantar Listrik (Conductivity)	Per sample	US\$	1.00
(5) PH (derajat keasaman)	Per sample	US\$	1.00
(6) Kesadahan (jumlah CaCO ₃)	Per sample	US\$	1.50
(7) Kalsium (Ca ²⁺)	Per sample	US\$	1.00
(8) Magnesium (Mg ²⁺)	Per sample	US\$	1.00
(9) Besi (Fe ³⁺)	Per sample	US\$	2.00
(10) Mangan (Mn ²⁺)	Per sample	US\$	2.00
(11) Kalium (K ⁺)	Per sample	US\$	1.00
(12) Natrium (Na ⁺)	Per sample	US\$	1.00
(13) Litium (Li ²⁺)	Per sample	US\$	1.00
(14) Karbonat (CO ₃ ²⁺)	Per sample	US\$	1.00
(15) Bikarbonat (CO ₃ ⁻)	Per sample	US\$	1.00
(16) Karbon dioksida (CO ₂)	Per sample	US\$	1.00
(17) Klorida (Cl)	Per sample	US\$	2.50
(18) Sulfat (SO ₄ ²⁺)	Per sample	US\$	1.00
(19) Nitrogen-Nitrit (N-NO ₂ ²⁻)	Per sample	US\$	1.00
(20) Nitrogen-Nitrat (N-NO ₃ ²⁻)	Per sample	US\$	2.00
(21) Silika (SiO ₂)	Per sample	US\$	2.00

(22) Zat Organik (KMnO ₄)	Per sample	US\$	1.50
(23) Zat Padat Terlarut	Per sample	US\$	1.00
b) Analisis Logam Berat Percontoh Air			
(1) Tembaga (Cu)	Per sample	US\$	10.00
(2) Timbal (Pb)	Per sample	US\$	10.00
(3) Seng (Zn)	Per sample	US\$	10.00
(4) Krom (Cr)	Per sample	US\$	10.00
(5) Kobal (Co)	Per sample	US\$	10.00
(6) Nikel (Ni)	Per sample	US\$	10.00
(7) Aluminium (Al)	Per sample	US\$	3.00
(8) Selenium (Se)	Per sample	US\$	5.00
(9) Arsen (As)	Per sample	US\$	3.00
(10) Merkuri (Hg)	Per sample	US\$	2.00
(11) Cadmium (Cd)	Per sample	US\$	2.00
c) Analisis Logam Berat Percontoh Lumpur			
(1) Tembaga (Cu)	Per sample	US\$	2.00
(2) Timbal (Pb)	Per sample	US\$	2.00
(3) Seng (Zn)	Per sample	US\$	2.00
(4) Krom (Cr)	Per sample	US\$	3.00
(5) Kobal (Co)	Per sample	US\$	2.00
(6) Nikel (Ni)	Per sample	US\$	2.00
(7) Aluminium (Al)	Per sample	US\$	4.00
(8) Selenium (Se)	Per sample	US\$	7.00
(9) Arsen (As)	Per sample	US\$	45.00
e. GEOFISIKA (GEOPHYSICS)			
Fisika Batuan (Rock Physics)			
a) Density	Per sample	US\$	20.00
b) Porosity	Per sample	US\$	20.00
c) Seismic Wave Velocity	Per sample	US\$	40.00
d) Magnetic Susceptibility	Per sample	US\$	20.00

D. PUSAT PENELITIAN DAN PENGEMBANGAN GEOLOGI KELAUTAN

1. JASA LABORATORIUM

a. Sedimen Dasar Laut

1) Mineral

a) Grain Size (Sieving Analyses)	Per sample	Rp	50.000,00
b) Silt-clay content (Pipette Analyses)	Per sample	Rp	50.000,00
c) Heavy Mineral Analyses (Bromoform)	Per sample	Rp	70.000,00
d) Smear Slide Analyses (Petrography)	Per sample	Rp	20.000,00
e) Micropaleontology (Microscopic iden.)	Per sample	Rp	150.000,00
f) Major Unsurs (Geochemical analyses)	Per sample	Rp	900.000,00
g) Au/Ag Content (Fire Assay)	Per sample	Rp	181.000,00
h) Au/Ag Content (Atomic Adsorption Spectrometer (AAS))	Per sample	Rp	182.000,00
i) Pollen Analyses (Microscopic iden)	Per sample	Rp	181.000,00
j) Rare Earth Unsurs (Inductively Coupled Plasma (ICP))	Per sample	Rp	150.000,00
k) Minerals (Scanning Electron Microscope (SEM))	Per sample	Rp	150.000,00

l) Clay Minerals (XRD)	Per sample	Rp	100.000,00
m) Heavy Metal Analyses (Pollutant Unsurs) (Inductively Coupled Plasma (ICP))	Per sample	Rp	150.000,00
n) Coldstorage (sample preparation collecting and packing) (Coldstorage (0-3°C))	Per sample	Rp	400.000,00
2) GEOTEKNIK KELAUTAN			
a) Atterberglimit test (grainsize, water content, liquid, plastic and plasticity limit)(ASTM D4318)	Per sample	Rp	300.000,00
b) Spesific gravity (ASTM D70)	Per sample	Rp	75.000,00
c) Consolidation (ASTM D4767)	Per sample	Rp	150.000,00
d) Lab vane shear test (ASTM D4767)	Per sample	Rp	200.000,00
e) Triaxial test CU, UU, CD, ciclic (ASTM D4648)	Per sample	Rp	250.000,00
f) Calcium carbonate content (ASTM D4373)	Per sample	Rp	175.000,00
Moisture penetration resistance of fine grained soil (ASTM D1558)	Per sample	Rp	150.000,00
b. AIR LAUT DAN SEDIMEN SUSPENSI			
1) FISIKA $\frac{1}{2}$ KIMIA			
a) Salinity (Salinitimeter)	Per sample	Rp	50.000,00
b) Acidity (pH) (pH-meter)	Per sample	Rp	65.000,00
c) Chemical Oxygen Demand (COD) (Volumetry)	Per sample	Rp	80.000,00
d) Total Dissolved Solids (TDS) (Gravimetry)	Per sample	Rp	85.000,00
e) Suspended Solids (SS) (Gravimetry)	Per sample	Rp	75.000,00
f) Alkalinity (Volumetry)	Per sample	Rp	65.000,00
g) Dissolved Oxygen (DO ₂) (Volumetry)	Per sample	Rp	70.000,00
h) Chlorite (Cl ₂) (Volumetry)	Per sample	Rp	85.000,00
i) Carbon dioxide (CO ₂)	Per sample	Rp	90.000,00
j) Electric Conductivity	Per sample	Rp	85.000,00
k) Total N $\frac{1}{2}$ ions (Spectrophotometry)	Per sample	Rp	75.000,00
l) Sulphide ion (Trubidity)	Per sample	Rp	60.000,00
m) Ferrous/ferric ion	Per sample	Rp	60.000,00
n) Mn ion (AAS)	Per sample	Rp	90.000,00
o) Bacterium species (especially ferrous and sulphurous)	Per sample	Rp	95.000,00
p) Total Oxygen Content (TOC)	Per sample	Rp	85.000,00
2) SUSPENDED SEDIMENT			
a) Spesific Gravity (Piknometer)	Per sample	Rp	50.000,00
b) Sediment Content(Gravimetry)	Per sample	Rp	65.000,00

E. PUSAT PENELITIAN DAN PENGEMBANGAN TEKNOLOGI ENERGI DAN KETENAGALISTRIKAN

1. KETENAGALISTRIKAN			
a. JASA ANALISIS LABORATORIUM			
1) Minyak Trafo Pakai (4 parameter)	Per sample	US\$	40.00
2) Minyak Trafo Pakai (6 parameter)	Per sample	US\$	70.00
3) Minyak Trafo Baru (7 parameter)	Per sample	US\$	61.00
4) Minyak Trafo Baru (9 parameter)	Per sample	US\$	114.00
5) Minyak Isolasi Kabel (7 parameter)	Per sample	US\$	61.00
6) Minyak Isolasi Kabel (9 Parameter)	Per sample	US\$	111.00
7) Gas Terlarut Dalam Minyak (9 parameter)	Per sample	US\$	85.00
8) Gas Terlarut dalam Minyak (10 parameter)	Per sample	US\$	100.00
9) Minyak Pelumas Mesin (18 parameter)	Per sample	US\$	116.00
10) Minyak Pelumas Diesel (7 parameter)	Per sample	US\$	70.00

11) Minyak Pelumas Diesel (6 parameter)	Per sample	US\$	70.00
12) Mesin Pelumas Hidraulik (10 parameter)	Per sample	US\$	60.00
13) Minyak Pelumas Hidraulik (7 parameter)	Per sample	US\$	83.00
14) Minyak Pelumas Turbin (9 parameter)	Per sample	US\$	68.00
15) Minyak Pelumas Turbin (7 parameter)	Per sample	US\$	111.00
16) Minyak Lumas / BBM	Per sample	US\$	11.00
Kandungan Logam untuk 1 unsur			
17) Bahan Bakar Minyak HSD (12 parameter)	Per sample	US\$	110.00
18) BBM HSD / MFO (8 parameter)	Per sample	US\$	133.00
19) Bahan Bakar Minyak HSD (18 parameter)	Per sample	US\$	132.00
20) Minyak HSD untk Komissioning (PLTD) (3 parameter)	Per sample	US\$	70.00
21) Bahan Bakar MFO (18 parameter)	Per sample	US\$	120.00
22) Bahan Bakar MFO (19 parameter)	Per sample / 2 liter	US\$	138.00
23) Logam Bahan/Kawat Penghantar (3 parameter)	Per sample / 50 gram	US\$	56.00
24) Air Pendingin PLTD (4 parameter)	Per sample / 5 lt	US\$	89.00
25) Deposit Kerak (2 parameter)	Per sample / 50 gram	US\$	56.00
26) Grease / Gemuk Pelumas(Dropping Titik)	Per sample / 250 gram	US\$	33.00
27) Bahan Dasar Alumunium (Analisis Komposisi)	Per sample / 50 gram	US\$	26.00
28) Bahan Dasar Besi/Baja (tanpa C, P, S) (Analisis Komposisi)	Per sample / 50 gram	US\$	27.00
29) Bahan Dasar Paduan Tembaga (Analisis Komposisi)	Per sample / 50 gram	US\$	23.00
30) Bahan Dasar Galvanis (Analisis Komposisi)	Per sample / 50 gram	US\$	18.00
31) Bahan Tembaga (Analisis Komposisi)	Per sample / 50 gram	US\$	25.00
32) Lapisan Tembaga/Nikel pada Konektor (Analisis Komposisi)	Per sample / 50 gram	US\$	23.00
33) Lapisan Seng pada Baja (U Bold, Baut, Galvanis) (Analisis Komposisi)	Per sample / 50 gram	US\$	23.00
34) Kawat Penghantar Listrik Besi/Baja (tanpa C, P, S) (Analisis Komposisi)	Per sample / 50 gram	US\$	27.00
35) Kawat Penghantar Listrik Tembaga (Analisis Komposisi)	Per sample / 50 gram	US\$	25.00
36) Kawat Penghantar Listrik Alumunium (Analisis Komposisi)	Per sample / 50 gram	US\$	31.00
37) Air Boile	Per sample / 50 gram	US\$	27.00
38) Air Pendingin PLTD	Per sample / 5 lt	US\$	34.00
39) Deposit/Kerak	Per sample / 10 gram	US\$	37.00
40) Debu	Per sample	US\$	62.00

b. JASA KALIBARASI

1) METER ARUS

a) Ampere Meter (AC)

(1) S.d. kelas 0,2

Per unit US\$ 88.00

(2) kelas > 0,2

Per unit US\$ 33.00

(3) Multi Range

Per unit US\$ 59.00

b) Ampere Meter (DC)

(1) s.d. kelas 0,2

Per unit US\$ 34.00

(2) kelas > 0,2

Per unit US\$ 32.00

(3) Multi Range	Per unit	US\$	57.00
c) Current Transformator TR	Per unit	US\$	57.00
d) Current Transformator TM	Per unit	US\$	86.00
e) Transduser Arus	Per unit	US\$	44.00
f) Coulum Meter	Per unit	US\$	34.00
2) METER TEGANGAN			
a) AC Volt Meter (0 s/d 1000 V)			
(1) s.d. kelas 0,2	Per unit	US\$	37.00
(2) kelas > 0,2	Per unit	US\$	33.00
(3) Multi Range	Per unit	US\$	59.00
b) DC Volt Meter (1 sd 1000 V)			
(1) s.d. kelas 0,2	Per unit	US\$	34.00
(2) kelas > 0,2	Per unit	US\$	32.00
(3) Multi Range	Per unit	US\$	57.00
c) Transduser Tegangan	Per unit	US\$	45.00
d) Alat Uji Tegangan Tinggi AC (Delectric tester,sparktester/withstand/ voltage tester/resonant test set/breakdown voltage tester)			
(1) s.d. kelas 0,2	Per unit	US\$	84.00
(2) kelas > 0,2	Per unit	US\$	137.00
(3) Multi Range	Per unit	US\$	137.00
e) HV Resonance Test Set + Partial Discharge Detector	Per unit	US\$	219.00
f) Impuls Tester	Per unit	US\$	230.00
g) Oil Dielectric Tester	Per unit	US\$	97.00
h) Potensial Transformator TR	Per unit	US\$	66.00
i) Potensial Transformator TM	Per unit	US\$	100.00
j) Holiday Detector	Per unit	US\$	74.00
c. JASA BESARAN DAYA/ENERGI			
a) Watt/Var Meter Fasa Tunggal (Analog)			
(1) sd kelas 0,2	Per unit	US\$	42.00
(2) kelas > 0,2	Per unit	US\$	35.00
b) Watt/Var Meter Fasa Tiga (Analog)			
(1) sd kelas 0,2	Per unit	US\$	44.00
(2) kelas > 0,2	Per unit	US\$	35.00
c) Watt/Var Transduser Fasa Tunggal			
(1) sd kelas 0,2	Per unit	US\$	42.00
(2) kelas > 0,2	Per unit	US\$	35.00
d) Watt/Var Transduser Fasa Tiga			
(1) sd kelas 0,2	Per unit	US\$	54.00
(2) kelas > 0,2	Per unit	US\$	47.00
e) Watt/Var Hour Meter Fasa Tunggal			
(1) sd kelas 0	Per unit	US\$	68.00
(2) kelas > 0	Per unit	US\$	54.00
(3) kelas 2,0 (Double Register)	Per unit	US\$	63.00
f) Watt/Var Hour Meter Fasa Tiga			
(1) sd kelas 0	Per unit	US\$	68.00

(2) kelas > 0	Per unit	US\$	54.00
(3) kelas 2,0 (Double Register)	Per unit	US\$	63.00
g) Power Factor Meter			
(1) Jenis Portable	Per unit	US\$	42.00
(2) Jenis Panel	Per unit	US\$	36.00
h) Phase Shifter	Per unit	US\$	43.00
i) Phase Angel Meter	Per unit	US\$	43.00
j) Phase Detector	Per unit	US\$	31.00
d. METER TAHANAN			
1) Precision Double Bridge	Per unit	US\$	103.00
2) Portable Double Bridge	Per unit	US\$	103.00
3) Wheatstone Bridge	Per unit	US\$	74.00
4) Ground Resistance Tester atau Earth Tester	Per unit	US\$	58.00
5) Micro Ohm Meter	Per unit	US\$	70.00
6) Insulation Tester			
a) sd 1000 Volt	Per unit	US\$	47.00
b) 1000 Volt sd 5000 Volt	Per unit	US\$	49.00
7) Decade Resistor			
a) Jenis Box Presisi	Per unit	US\$	63.00
b) Jenis Standard Resistor	Per unit	US\$	44.00
e. MULTI FUNCTION METER			
1) Multimeter (AVO Meter)			
a) Jenis Presisi (Kelas 0,2)	Per unit	US\$	87.00
b) Jenis Hand Held	Per unit	US\$	64.00
2) AC Power Analyser / Power Meter			
a) Jenis Fasa Tunggal	Per unit	US\$	121.00
b) Jenis Fasa Tiga	Per unit	US\$	168.00
3) Meja Tera KWH Meter atau Energi Meter			
a) Jenis Fasa Tunggal	Per unit	US\$	144.00
b) Jenis Fasa Tiga	Per unit	US\$	229.00
4) Clamp On Multi Meter	Per unit	US\$	57.00
5) Oscilloscope	Per unit	US\$	68.00
6) DC Voltage/Current Standard	Per unit	US\$	57.00
7) Mesin Las	Per unit	US\$	57.00
8) AC Vortage & Current Source (Fasa Tunggal)	Per unit	US\$	57.00
9) AC Vortage & Current	Per unit	US\$	98.00
10) Recorder / Visigraph	Per unit	US\$	56.00
11) Relay Test Fasa Tunggal	Per unit	US\$	89.00
12) Relay Test Fasa Tiga Transformer Turn Ratio Tester / Torodial Turn	Per unit	US\$	169.00
13) Analyzer	Per unit	US\$	63.00
14) Weld Cheker	Per unit	US\$	57.00
f. METER FREKUENSI			
1) Frekuensi Meter			
a) Jenis Portable s.d. 100 Hz	Per unit	US\$	37.00
b) Jenis panel > 100 Hz s.d. 225 MHz	Per unit	US\$	39.00
2) Frekuensi Counter Generator Frekuensi			
a) Signal Generator sd 100 Hz	Per unit	US\$	37.00
b) 100 Hz sd 225 MHz	Per unit	US\$	39.00
g. METER WAKTU			

1)	Mili Second Counter	Per unit	US\$	37.00
2)	Counter	Per unit	US\$	37.00
h. METER TEKANAN				
1)	Pressure Gauge / Vacuum Gauge	Per unit	US\$	30.00
2)	Manometer	Per unit	US\$	36.00
3)	Pressure Gauge / Manometer / Pressure Recorder /Transmitter	Per unit	US\$	36.00
4)	Prosedure Calibrator	Per unit	US\$	34.00
i. METER SUHU				
1)	Thermometer Gelas < 0 deg C sd suhu ruang	Per unit	US\$	48.00
2)	Temperature Detector (Thermocouple/RTD/ Temperature Gauge / Phyrometer)	Per unit	US\$	58.00
3)	Digital Thermometer (tanpa Detector)	Per unit	US\$	36.00
4)	Themperature Recorder (tanpa detector)	Per unit	US\$	41.00
5)	Thermo Switch	Per unit	US\$	34.00
6)	Themperature Callibrator	Per unit	US\$	73.00
7)	Hygrometer	Per unit	US\$	96.00
j.	METER BISING/NOISE	Per unit	US\$	45.00
k. BESARAN PUTARAN				
1)	Tachometer	Per unit	US\$	28.00
2)	Dinamometer (Kuat Tarik)	Per unit	US\$	122.00
2. PENGUJIAN JENIS PERALATAN LISTRIK NON KABEL				
1)	Armature lampu Jalan	Per 3 set	US\$	1,778.00
2)	Panel APP Tipe I dan II	Per 3 unit	US\$	333.00
3)	Panel Tipe Khusus	Per unit	US\$	1,667.00
4)	Ammeter AC/Voltmeter Analog	Per 5 buah	US\$	990.00
5)	Ballast TL (Konvensional)	Per 3 buah	US\$	302.00
6)	Ballast Elektronik	Per buah	US\$	804.00
7)	Block Terminal	Per 10 buah	US\$	294.00
8)	Bypass Switches, TM	Per buah	US\$	219.00
9)	Battery Charger	Per unit	US\$	613.00
10)	Cable Ledder	Per 5 buah	US\$	302.00
11)	Digital Voltmeter AC	Per 5 buah	US\$	851.00
12)	Disconnecting Switch, MV	Per unit	US\$	14,886.00
13)	Fuse Cut out MV	Per 3 unit	US\$	1,416.00
14)	Fuse Switch, std IEC	Per 3 unit	US\$	3,042.00
15)	Pengaman lebur jenis Letupan Fuse Link / Link Clam	Per 15 buah	US\$	122.00
16)	Fuse Base (Rumah Pelebur)	Per 10 buah	US\$	354.00
17)	Pengujian jenis pada kaki pengaman pelebur (Fuse Base) untuk HRC Fuse	Per unit	US\$	1,111.00
18)	Fitting Flapond	Per 10 buah	US\$	253.00
19)	Gardu Metal (Metal Kiosk)	Per unit	US\$	334.00
20)	Ground Rod	Per 8 batang	US\$	262.00
21)	Genset > 150 kW sd 500 kW	Per unit	US\$	1,434.00
22)	Genset > 500 kW	Per unit	US\$	1,567.00
23)	Genset s.d 150 kW	Per unit	US\$	807.00
24)	Isolator Tegangan Menengah	Per 16 buah	US\$	1,046.00
25)	Isolator Tegangan Rendah	Per 16 buah	US\$	363.00
26)	Kapasitor	Per 78 buah	US\$	437.00
27)	Kontraktor	Per 6 buah	US\$	723.00
28)	KWH Meter Elektronik fasa Tiga	Per 9 buah	US\$	3,218.00

29) KWH Meter Elektronik fasa Tunggal	Per 9 buah	US\$	3,210.00
30) KWH Elektronik fasa Tiga	Per 7 buah	US\$	2,671.00
31) Watt meter fasa 3 i _c 1/2 4 Wire	Per 5 buah	US\$	1,491.00
32) Var meter fasa 3 i _c 1/2 4 Wire	Per 5 buah	US\$	1,491.00
33) Lampu Pijar Diuji Normal	Per 35 buah	US\$	366.00
34) Lampu Pijar Diuji Dipercepat	Per 35 buah	US\$	460.00
35) Lampu TL	Per 20 buah	US\$	506.00
36) Lampu HE	Per 25 buah	US\$	1,171.00
37) Load Break Switch (Saklar Pemutus Batas Tegangan Rendah pas. gan luar)	Per buah	US\$	2,288.00
38) MCB s.d 6 kA	Per 34 buah	US\$	2,889.00
39) MCB Icn > 6 kA	Per 34 buah	US\$	3,333.00
40) Pipa isolasi fleksibel bergelombang	Per 20 meter	US\$	184.00
41) Pipa Logam / PVC (JIS)	Per 5 batang	US\$	330.00
42) Pipa Logam / PVC (IEC)	Per 5 batang	US\$	171.00
43) Perangkat Hubung Bagi / Panel TR tanpa LBS	Per unit	US\$	1,667.00
44) Perangkat Hubung Bagi / Panel TR tanpa LBS	Per unit	US\$	2,389.00
45) Panel Hubung Bagi dan Kontrol berselubung logam Tegangan menengah Pasangan Luar/Dalam	Per unit	US\$	1,827.00
46) Panel Genset Tegangan Rendah	Per unit	US\$	1,161.00
47) Panel / Cubicle 20 kW RMU	Per unit	US\$	2,291.00
48) Power Panel	Per unit	US\$	1,205.00
49) Pemutus tenaga Tegangan Menengah (circuit breaker)	Per unit	US\$	1,592.00
50) Pipa Baja Galvanis untuk tiang atap	Per 3 unit	US\$	189.00
51) Pole Top Switch / LBS/ LGS (saklar pemutus beban tegangan menengah pemasangan luar)	Per unit	US\$	1,849.00
52) Rectangular Copper Wire	Per 30 meter	US\$	222.00
53) Starter lampu neon / TL	Per 10 buah	US\$	269.00
54) Relay Arus Lebih Analog	Per 3 buah	US\$	2,025.00
55) Relay Arus Lebih Digital	Per 3 buah	US\$	2,311.00
56) Relay Arus Lebih Digital + ReClose	Per 3 buah	US\$	2,725.00
57) Relay Arus Tambah Arah / Relay Daya Analog	Per 3 buah	US\$	2,311.00
58) Relay Arus Tambah Arah / Relay Daya Digital	Per 3 buah	US\$	2,597.00
59) Relay Jarak Analog	Per buah	US\$	2,997.00
60) Relay Jarak Digital	Per buah	US\$	3,653.00
61) Relay Jarak Digital + auto ReClose	Per buah	US\$	3,906.00
62) Relay Gangguan Tanah	Per 3 buah	US\$	2,803.00
63) ReClose	Per buah	US\$	939.00
3. PENGUJIAN JENIS KABEL			
a. KABEL TEGANGAN RENDAH			
1) Kabel berisolasi PVC (NYA)	Per 30 meter	US\$	279.00
2) Kabel berisolasi PVC (NYAF)	Per 30 meter	US\$	457.00
3) Kabel berisolasi dan Berselubung PVC (NYM)	Per 30 meter	US\$	339.00
4) Kawat Fleksibel Kembar 2 & 3 (NYZ / NYD)	Per 30 meter	US\$	397.00
5) Kabel Tanah Berisolasi dan Berselubung PVC (NYY / NYCY)	Per 30 meter	US\$	320.00
6) Kabel Tanah Berisolasi dan Berselubung PVC (NYMHY/NYSHY)	Per 30 meter	US\$	351.00
7) Kabel Tanah Berisolasi dan Berselubung PVC (NYFGDY / NYBY)	Per 30 meter	US\$	595.00
8) Kabel Pilih Udara Berisolasi XLPE (NFA2XT/NFA2X/NF2X)	Per 30 meter	US\$	434.00
9) Kabel NAYBY	Per 30 meter	US\$	397.00
10) Kabel N2XBY-IEC332-3	Per 70 meter	US\$	454.00
11) Kabel Duplex/Qua Duplex	Per 30 meter	US\$	475.00
b. KABEL KONTROL NYY			
1) 7 Inti	Per 30 meter	US\$	382.00
2) 12 Inti	Per 30 meter	US\$	475.00

3)	Kabel PLC	Per 30 meter	US\$	128.00
c. KABEL TEGANGAN MENENGAH				
1)	1 Inti	Per 25 meter	US\$	1,596.00
2)	3 Inti	Per 25 meter	US\$	2,047.00
3)	Pengujian Kedap Air	Per 8 meter	US\$	169.00
d. KABEL TEGANGAN TINGGI				
	Kabel Tegangan Tinggi XLPE	Per 25 meter	US\$	5,245.00
e. HANTARAN / KONDUKTOR				
1)	AAC	Per 30 meter	US\$	260.00
2)	AAAC	Per 30 meter	US\$	260.00
3)	ACSR	Per 30 meter	US\$	446.00
4)	OHC / AAC $i_c^{1/2}$ S	Per 30 meter	US\$	467.00
5)	BBC H / 0,5 H	Per 30 meter	US\$	196.00
6)	T. Alumunium	Per 30 meter	US\$	186.00
7)	Kabel NA3GSEBY	Per 6 meter	US\$	2,770.00
8)	Selubung Kabel PE (TM)	Per 30 meter	US\$	411.00
9)	Galvanis Steel Wire (GSW)	Per 30 meter	US\$	255.00
10)	Kabel Tegangan Tinggi NA2XC2Y, 36/70 kV, 1 x 800 mm	Per 30 meter	US\$	2,216.00
11)	Kabel NYY 61 x 2,5 mm	Per 30 meter	US\$	601.00
12)	Rectangular Copper Wire	Per 30 meter	US\$	244.00
13)	Hantaran Udara (AAC) 1000 SQMN	Per 30 meter	US\$	813.00
f. MATERIAL ISOLASI KABEL				
1)	Penguji Lekuk pada Material Isolasi Pada Suhu rendah (< 0 ⁰ C)	Per 10 buah	US\$	167.00
2)	Penguji Permulusan pada Material Isolasi Pada Suhu rendah (< 0 ⁰ C)	Per 10 buah	US\$	222.00
3)	Penguji Pukul Material Isolasi Pada Suhu rendah (< 0 ⁰ C)	Per 10 buah	US\$	167.00
4)	Pengujian Fire Hazard Pada Material isolasi dengan Glow	Per 10 buah	US\$	83.00
5)	Pengujian Fire Hazard Pada Material isolasi dengan Needle Flame	Per 10 buah	US\$	222.00
6)	Pengujian Flame Retardan pada material Isolasi	Per 10 buah	US\$	167.00
g. LAIN $i_c^{1/2}$ LAIN				
1)	Pengujian Material Mesin Diesel s.d 5 MW Analisis Getaran	Per set	US\$	2,533.00
2)	Pengujian Material Mesin Diesel s.d 5 MW Analisis Getaran	Per titik	US\$	10.00
4. MIKROHIDRO				
1)	Panel APP Tipe I; II	Per 3 unit	US\$	333.00
2)	Panel Tipe Khusus	Per unit	US\$	1,667.00
3)	Ammeter AC/ Volmeter Analog	Per 5 buah	US\$	990.00
4)	Blok Terminal	Per 10 buah	US\$	294.00
5)	By Pass Switches. TM	Per buah	US\$	219.00
6)	Disconnecting Switch MV	Per unit	US\$	14,886.00
7)	Fuse Cut Out MV	Per 3 unit	US\$	1,416.00
8)	Fuse Swith. Std IEC	Per 3 unit	US\$	3,042.00
9)	Pengaman Lebur jenis Letupan Fuse Link / Link Clam	Per 15 buah	US\$	122.00
10)	Fuse Base (Rumah Pelebur)	Per 10 buah	US\$	354.00
11)	Pengujian jenis pada kaki pengaman lebur untuk HRC fuse	Per unit	US\$	1,111.00
12)	Groun Rod	Per 8 batang	US\$	262.00
13)	Genset > 150 kW s/d 500 kW	Per unit	US\$	1,434.00
14)	Genset > 500 kW	Per unit	US\$	1,567.00
15)	Genset s/d 150 kW	Per unit	US\$	807.00
16)	Isalator Tegangan Menengah	Per 16 buah	US\$	1,046.00
17)	Isalator Tegangan Rendah	Per 16 buah	US\$	363.00

18) Kapasitor	Per 50 buah	US\$	437.00
19) Kontaktor	Per 6 buah	US\$	723.00
20) KWH Meter Elektronik Fasa Tiga	Per 9 buah	US\$	3,218.00
21) KWH Meter Elektronik Fasa Tunggal	Per 9 buah	US\$	3,210.00
22) KWH Electronics Pasa Tiga	Per 7 buah	US\$	2,671.00
23) Watt Meter Fasa 3 - 4 Wire	Per 5 buah	US\$	1,491.00
24) Var Meter Fasa 3 - 4 Wire	Per 5 buah	US\$	1,491.00
25) Load Break Switch (Saklar Pemutus Bebas Tegangan rendah)	Per buah	US\$	2,288.00
26) MCB s/d 6 kA	Per 34 buah	US\$	2,889.00
27) MCB Icn > 6 kA	Per 34 buah	US\$	3,333.00
28) Pipa Isolasi Fleksibel Bergelombang	Per 20 meter	US\$	184.00
29) Pipa Logam / PVC (JIS)	Per 5 batang	US\$	330.00
30) Pipa Logam / PVC (IEC)	Per 5 batang	US\$	330.00
31) Perangkat Hubung Bagi/Panel TR tanpa LBS	Per unit	US\$	1,667.00
32) Perangkat Hubung Bagi/Panel TR tanpa LBS	Per unit	US\$	2,389.00
33) Panel Hubung Bagi, Kontrol Selubung Logam Tegangan Menengah	Per unit	US\$	1,827.00
34) Panel genset Tegangan Rendah	Per unit	US\$	1,161.00
35) Panel / Cubicle 20 kW RMU	Per unit	US\$	2,291.00
36) Power Panel	Per unit	US\$	1,205.00
37) Pemutus Tenaga Tegangan Menengah (Circuit Breaker)	Per unit	US\$	1,592.00
38) Pole Top Switch/LBS/LGS (Sakelar Pemutus Beban)	Per unit	US\$	1,849.00
39) Rectangular Copper Wire	Per 30 meter	US\$	222.00
40) Sakelar Kombinasi	Per 10 buah	US\$	341.00
41) Stop Kontak (Kotak Kontak)	Per 10 buah	US\$	385.00
42) Tusuk Kontak	Per 10 buah	US\$	385.00
43) Sakelar Engkel	Per 10 buah	US\$	323.00
44) Sakelar Seri	Per 10 buah	US\$	367.00
45) Tutup Kotak APP Transparant TR /TM	Per 3 buah	US\$	154.00
46) Transformator distribusi Fasa Tiga s/d 160 kVA	Per unit	US\$	2,249.00
47) Transformator distribusi Fasa Tiga 200 s/d 630 kVA	Per unit	US\$	2,417.00
48) Transformator distribusi Fasa Tiga 800 s/d 1250 kVA	Per unit	US\$	2,610.00
49) Transformator Fasa Tunggal CSP / Non CSP	Per unit	US\$	1,733.00
50) Transformator Fasa Arus / Tegangan (TR)	Per 3 unit	US\$	876.00
51) Transformator Fasa Arus / Tegangan (TM)	Per 3 unit	US\$	1,645.00
52) Transformator Penaik/Penurun (Step Up/Down Transformator)	Per 3 unit	US\$	2,177.00
53) Transformator Tenaga s/d 5 MVA	Per unit	US\$	3,031.00
54) Terminal Kabel 20 kV Pasangan Luar 3 inti	Per 2 set	US\$	3,864.00
55) Terminal Kabel 20 kV Pasangan Luar 1 inti	Per 4 set	US\$	3,864.00
56) Terminal Kabel kV Pasangan dalam 3 Inti	Per 2 set	US\$	3,220.00
57) Terminal Kabel kV Pasangan dalam 3 Inti	Per 4 set	US\$	3,220.00
58) Relay Arus Lebih Analog	Per 3 buah	US\$	2,005.00
59) Relay Arus Lebih Digital	Per 3 buah	US\$	2,311.00
60) Relay Arus Lebih Digital + Auto Reclose	Per 3 buah	US\$	2,725.00
61) Relay Arus + Arah/ Relay Daya Analog	Per 3 buah	US\$	2,311.00
62) Relay Arus + Arah/ Relay Daya Digital	Per 3 buah	US\$	2,597.00
63) Relay Jarak Analog	Per buah	US\$	2,997.00
64) Relay Jarak Digital	Per buah	US\$	3,653.00
65) Relay Jarak Digital + Auto Reclose	Per buah	US\$	3,906.00
66) Relay Gangguan Tanah	Per 3 buah	US\$	2,803.00
67) Recloser	Per buah	US\$	939.00
68) Uji Balancing Turbin	Per buah	US\$	83.00

5. PANAS BUMI

a. LOW MOLECULAR WEIGH (<C₁₅) COMPOSITION

1)	Analysis of fluid inclusions using GC-MS (online MSSV GC-MS analysis for C ₃ -C ₁₄ composition)	Per sample	US\$	125.00
2)	Split injection of oil or condensate for comparison	Per sample	US\$	175.00
b. PETROGRAPHY OF IGNEOUS AND METAMORPHIC ROCK				
1)	Basic description identification and main mineralogy Only	Per sample	US\$	125.00
2)	Detailed description including paragenetic history of altered minerals.	Per sample	US\$	175.00
3)	Core description	Per meter	US\$	67.50
4)	Description of Ditch Cutting Per sample	Per feet	US\$	20.00
5)	Sieve Analysis (6 sieves)	Per sample	US\$	75.00
6)	Sieve Analysis (more than 6 sieves)	Per sample	US\$	110.00
7)	Environmental studies on sands and sandstone; ½ statistical parameters, size distribution curves, and environmental interpretation (cost depends on the number of sieves required).	Per sample	US\$	115.00
c. X-RAY DIFFRACTION				
1)	Semi- Quantitative Analysis of Bulk minerals	Per sample	US\$	125.00
2)	Semi- Quantitative Analysis of Clay minerals	Per sample	US\$	150.00
d. SCANNING ELECTRON MICROSCOPY				
1)	Geometry of pore system (including preparation of pore cast, and quantitative evaluation of size, shape and distribution of pores)	Per sample	US\$	375.00
2)	SEM of core, sidewall core and cutting to provide general information on reservoir quality (pore system character, cements or pore-filling clays) and the development of diagenetic mineral phase.	Per sample	US\$	175.00
e. ENERGY DISPERSIVE ANALYSIS BY X-RAY (EDAX)				
1)	Rapid minerals identification of selected grains and semi-quantitative chemical analysis by EDAX	Per sample	US\$	110.00
2)	Standard preparation	Per sample	US\$	15.00
3)	Blocking - in technique for ditch cutting Per samples	Per sample	US\$	13.00
4)	Impregnation by or green dyed resin under vacuum to illustrate porosity	Per sample	US\$	10.00
5)	Staining of Carbonate Minerals using Feigl's or Dickson solution, Titan Yellow or other methods.	Per sample	US\$	5.00
6)	Feldspar stain	Per sample	US\$	10.00
7)	Complete (Porosity, Horizontal permeability and fluid contents)	Per sample	US\$	60.00
8)	Porosity, by Helium Injection-Boyle's Law	Per sample	US\$	30.00
9)	Horizontal permeability	Per sample	US\$	30.00
10)	Klinkenberg Permeability	Per sample	US\$	60.00
11)	Slippage Factor Calculation	Per sample	US\$	10.00
12)	Vertical Permeability	Per sample	US\$	30.00
13)	Fluid Contents by Retort	Per sample	US\$	30.00
14)	Fluid Contents by Dean Stark	Per sample	US\$	30.00
15)	Grain Density (calculated)	Per sample	US\$	20.00
16)	Grain Density (measured)	Per sample	US\$	50.00
17)	By Hysol Resin	Per sample	US\$	22.00
18)	By Lead Jacket	Per sample	US\$	25.00
19)	By Plastic/Rubber Sleeve	Per sample	US\$	20.00
20)	Special Handling Required because Rock Type, Texture	Per orang/jam	US\$	30.00
f. SIDEWALL CORE ANALYSIS				
1)	Complete (Porosity, permeability and Fluid Contents).	Per sample	US\$	75.00
2)	Porosity (by Helium Injection-Boyle's Law)	Per sample	US\$	30.00
3)	Permeability (Horizontal only)	Per sample	US\$	30.00
4)	Grain Density (Calculated)	Per sample	US\$	20.00
5)	Grain Density (Measured)	Per sample	US\$	25.00

6)	Bulk (Saturated) Density, by Mercury Injection	Per sample	US\$	20.00
g.	FULL DIAMETER CORE ANALYSIS			
1)	Fluid Contents by conventional Retort	Per sample	US\$	30.00
2)	Porosity (Helium Injection-Boyle's Law)	Per sample	US\$	40.00
3)	Horizontal Permeability, 2 Direction Measurements	Per sample	US\$	60.00
4)	Vertical permeability	Per sample	US\$	440.00
5)	Fluid Content by Dean Strak Method	Per sample	US\$	110.00
6)	Grain Density (Calculated)	Per sample	US\$	225.00
h.	MISCELLANEOUS			
1)	Specific Gravity of Fluid	Per sample	US\$	30.00
2)	Viscosity of Fluid	Per sample	US\$	30.00
3)	Rent of Dip Tank for Preservation of Core	Per hari	US\$	50.00
i.	ON SITE CORE CATCHING			
1)	Engineers on Site Core Catching (two man job)	Per hari	US\$	450.00
2)	Core Gamma Surface Log	Per feet	US\$	15.00
3)	Spectral Core Gamma Surface Log	Per feet	US\$	15.00
j.	CORE SLABBING AND POLISHING			
1)	Standard Core Slabbing	Per cut/feet	US\$	6.00
2)	Each additional Cut	Per feet	US\$	4.00
3)	One Side Polish of Slabbing Core	Per feet	US\$	13.00
4)	Both Pararel Side Polish of Slabbed Core	Per feet/hour	US\$	20.00
5)	Special Handling for Core/material packaging	Per jam	US\$	17.00
k.	CORE PHOTOGRAPHS			
	1) Core Photograph (Black and White) per sample			
a)	1 st Print Paper 3,5i ¹ / ₂ X5i ¹ / ₂	Per sample	US\$	5.00
b)	Subsequent Prints	Per sample	US\$	3.00
2)	Core Photograph (Colour) per sample			
a)	1 st print Paper 3,5i ¹ / ₂ X5i ¹ / ₂	Per sample	US\$	10.00
b)	Subsequent Prints	Per sample	US\$	4.00
3)	Colour Photograph up to 12 feet of Core per frame			
a)	Paper Print 10i ¹ / ₂ X8i ¹ / ₂	Per frame	US\$	50.00
b)	Subsequent Print	Per frame	US\$	10.00
4)	Ultraviolet Light Core Pothograph up to 12 feet of Core per Frame			
a)	Paper Print 110i ¹ / ₂ X8i ¹ / ₂	Per frame	US\$	50.00
b)	Subsequent Print	Per frame	US\$	10.00
l.	POROUS-PLATE CELL			
1)	Air i ¹ / ₂ Water (2000 psi max)			
a)	Single point	Per sample	US\$	85.00
b)	Two points	Per sample	US\$	110.00
c)	Complete Curve (six points)	Per sample	US\$	200.00
2)	Water Steam			
a)	Single point	Per sample	US\$	85.00
b)	Two points	Per sample	US\$	120.00
c)	Complete Curve (six points)	Per sample	US\$	265.00
m.	MERCURY INJECTION			

1) Single point	Per sample	US\$	55.00
2) Two points	Per sample	US\$	70.00
3) Complete Curve (0-1,500 psig) Drainage	Per sample	US\$	400.00
4) Complete Curve (0-1,500 psig) Drainage $i_c^{1/2}$ Imbibition	Per sample	US\$	600.00
5) Complete Curve (0-60,000 psig) Drainage	Per sample	US\$	500.00
6) Complete Curve (0-60,000 psig) Drainage $i_c^{1/2}$ Imbibition	Per sample	US\$	700.00
7) Correlation of Connate Water as Function of both	Per sample	US\$	100.00
8) Height Above Water and Permeability (or Porosity)	Per sample	US\$	100.00
n. LIQUID PERMEABILITY TESTS (Require data of chemical composition or ppm NaCl Equivalent of formation brane).			
1) Specific Water permeability	Per sample	US\$	70.00
2) Water Permeability as a Function of Throughput of initial Liquid	Per sample	US\$	200.00
3) Each additional Liquid	Per sample	US\$	125.00
4) Single Phase Critical Velocity (ambient condition)	Per sample	US\$	560.00
5) Single Phase Critical Velocity (reservoir condition)	Per sample	US\$	750.00
6) Return Permeability of Initial Liquid	Per sample	US\$	500.00
7) Each additional Liquid	Per sample	US\$	200.00
o. FORMATION FACTOR (for $i_c^{1/2} m i_c^{1/2}$ value)			
1) Formation factor ($i_c^{1/2} m i_c^{1/2}$ value) no overburden pressure	Per sample	US\$	60.00
2) Magnetic susceptibility	Per sample	US\$	60.00
3) Rock thermal Conductivity	Per sample	US\$	60.00
4) Formation factor one overburden pressure	Per sample	US\$	150.00
5) Each additional Pressure (includes data at 0 and 2000)	Per sample	US\$	30.00
p. RESISTIVITY INDEX (for $i_c^{1/2} n i_c^{1/2}$ value)			
1) In conjunction with Porous Plate Cell Capillary Pressure Test (per sample, per Titik)	Per sample	US\$	25.00
2) Not in conjunction with Capillary Pressure Test (per sample, per Titik).	Per sample	US\$	60.00
3) Cation Exchange Capacity, wet chemistry method	Per sample	US\$	45.00
q. STEAM /WATER RELATIVE PERMEABILITY (Unsteady State)			
1) Fresh	Per sample	US\$	750.00
2) Restored	Per sample	US\$	700.00
3) Calculated from T.SC-421 and/or T.SC-422	Per sample	US\$	130.00
4) Full Diameter	Per sample	US\$	1.68
r. STEAM/WATER RELATIVE PERMEABILITY (Steady State)			
1) Fresh	Per sample	US\$	1.50
2) Restored	Per sample	US\$	1.25
s. OVER BURDEN PERMEABILITY AND POROSITY			
1) Air Permeability	Per sample	US\$	90.00
2) Porosity (Helium Porosimeter-Boyer's Law)	Per sample	US\$	90.00
3) Permeability and porosity	Per sample	US\$	150.00
4) Rock Compressibility	Per sample	US\$	500.00
t. ACOUSTIC VELOCITY TEST			
1) Compressional Wave Velocity (V_p)	Per sample	US\$	200.00
2) Shear Wave Velocity (V_s)	Per sample	US\$	200.00
3) Young's Modulus	Per sample	US\$	50.00
4) Poisson's Ratio	Per sample	US\$	50.00
u. SCANNING ON WHOLE CORE			
1) Whole core Per sample, including 2 transverse and 2 axial scans	Per sample	US\$	125.00
2) Additional transverse or axial scan	Per sample	US\$	30.00

v.	SCANNING ON PLUG PER SAMPLE		
1)	Plug Per sample, including 2 transverse and 2 axial scans	Per sample	US\$ 60.00
2)	Additional transverse or axial scan	Per sample	US\$ 20.00
w.	RELATIVE PERMEABILITY MEASUREMENT (Unsteady state)		
1)	Ks/Kw measurement with T.CT-scanning (2 transverse and 2 axis scans)	Per sample	US\$ 1.50
2)	Additional transverse or axial scan	Per sample	US\$ 40.00
x.	DATA PRESENTATION AND STORAGE		
1)	Paper print of T.CT-scan	Per sample	US\$ 12.00
2)	Digitize and extract T.CT-scan image	Per sample	US\$ 8.00
3)	Scans saved onto CD-ROM, Per CD	Per sample	US\$ 60.00
y.	OTHER SERVICES		
1)	Core plugs-based study (minimum charge is for 10 plugs)	Per plug	US\$ 40.00
2)	Mini permeametry/porosimetry-based study (minimum charge is for 10 Feet)	Per feet	US\$ 70.00
3)	Combination of core plugs and mini permeametry / porosimetry, (minimum charge is for 10 plugs and 10 feet per meametry- Porosimetry data).	Per plug	US\$ 25.00
4)	Combination of core plugs and mini permeametry / porosimetry, (minimum charge is for 10 plugs and 10 feet per meametry- Porosimetry data).	Per feet	US\$ 35.00
z.	OIL-WELL CEMENT MATERIALS		
1)	API Specification 10 A, Test of weel Cement Material	Per sample	US\$ 560.00
2)	Free Water Content	Per sample	US\$ 50.00
3)	Soundness (Autoclave Expansion)	Per sample	US\$ 100.00
4)	Compressive Strength Test, 8 Hrs.Cured at Atm press	Per sample	US\$ 150.00
5)	Permeability Test, 24 hrs.Cured at Atm Condition	Per sample	US\$ 175.00
6)	Additional Curing time at Atm press per hari	Per hari	US\$ 2.00
7)	Compressive Strength Test, 24 hrs Cured at reservoir condition	Per sample	US\$ 325.00
8)	Permeability Test, 24 hrs.Cured at reservoir condition	Per sample	US\$ 350.00
9)	Additional Curing time at reservoir condition	Per hari	US\$ 7.00
10)	Fineness by Turbidimeter	Per sample	US\$ 100.00
11)	Thickening Time Test by HP-HT Consistometer	Per sample	US\$ 175.00
12)	Thickening Time Test by Atm Consistometer	Per sample	US\$ 100.00
13)	Rheology Test on Cement Slurry at Atm Press / Room Temp	Per sample	US\$ 60.00
14)	Rheology Test on Cement Slurry at Temp.Up to 200°F	Per sample	US\$ 120.00
15)	Initial Setting Time Test	Per sample	US\$ 100.00
16)	API Fluid Loss Test	Per sample	US\$ 55.00
17)	HP-HT Fluid Loss Test of Cement Slurry	Per sample	US\$ 125.00
18)	Chemical Analysis of Cement	Per sample	US\$ 140.00
19)	Compressive Strength Test, test specimen supplied by Client	Per sample	US\$ 20.00
20)	Permeability Test, test specimen supplied by Client	Per sample	US\$ 50.00
21)	Pipe Flow Rheology	Per sample	US\$ 160.00
aa.	FLY ASH		
1)	API Spesification 10, Test of Fly Ash	Per sample	US\$ 300.00
2)	Pozzolanic Activity Index with Lime (ASTM C-618 and C-311)	Per sample	US\$ 150.00
3)	Chemical Analysis of Fly Ash	Per sample	US\$ 135.00
bb.	BENTONITE MATERIALS		
1)	API Spesification 13 A, Test of Bentonite	Per sample	US\$ 160.00
2)	Chemical Analysis of Bentonite	Per sample	US\$ 105.00
3)	Yield Clay Analysis	Per sample	US\$ 250.00
4)	Bentonite i _c ½ CLS Dispersed Yield Analysis	Per sample	US\$ 75.00

5)	Bentonite Performance Test (API Spec.131)	Per sample	US\$	340.00
6)	Modified Sea Water Mud Test	Per sample	US\$	60.00
7)	Low Salinity Mud Test	Per sample	US\$	60.00
8)	Lime Treated Mud Test	Per sample	US\$	200.00
9)	Low Solid Non Dispersed Mud Test	Per sample	US\$	60.00
10)	Fresh Water Lignosulfonate Mud Test	Per sample	US\$	75.00
11)	Hot Rolling (16. hrs aging) and Rheology Test	Per sample	US\$	200.00
12)	Cation Exchange Capacity Test (CEC)	Per sample	US\$	60.00
13)	Bentonite Performance Test, mixed with cement (API Spec.10)	Per sample	US\$	370.00
cc. DRILLING FLUIDS				
1)	API Mud Check for WBM, excluding HT-HP Fluid Loss Test	Per sample	US\$	135.00
2)	API Mud Check for WBM, including HT-HP Fluid Loss Test	Per sample	US\$	195.00
3)	API Mud Check for Oil Base Mud	Per sample	US\$	225.00
4)	Rheological Test at Room Temperature	Per sample	US\$	60.00
5)	Rheological Test at Temperature up to 200°F	Per sample	US\$	80.00
6)	Rheology Test at HPHT	Per sample	US\$	175.00
7)	Filtration Test, API	Per sample	US\$	35.00
8)	Filtration Test, HPHT	Per sample	US\$	75.00
9)	Viscosity, Marsh Funnel	Per sample	US\$	30.00
10)	Density Mud Balance	Per sample	US\$	20.00
11)	Alkalinity Test of Mud, Pm	Per sample	US\$	20.00
12)	Alkalinity Test of Filtrate, Pf	Per sample	US\$	35.00
13)	Lime Content	Per sample	US\$	20.00
14)	Chloride Content	Per sample	US\$	20.00
15)	Total Hardness as Ca	Per sample	US\$	20.00
16)	Calcium Sulfate Content	Per sample	US\$	25.00
17)	Formaldehyde Determination	Per sample	US\$	27.00
18)	Potassium Determination	Per sample	US\$	22.00
19)	Sand Content	Per sample	US\$	17.00
20)	Liquid and Solids Content Test, Retort	Per sample	US\$	75.00
21)	Methylene Blue Test of Mud	Per sample	US\$	50.00
22)	Heavy Metal Analysis in Drilling Fluid: Cd, Cu Pb, Zn and Hg, including Oil Content	Per sample	US\$	141.00
23)	Additional Total Metal Analysis per Unsur	Per unsur	US\$	18.00
24)	Toxicity Characteristic Leaching Procedure (TCLP) analysis	Per sample	US\$	25.00
25)	Mud Toxicity by using LC-50/96 hours (U.S.EPA Methods) on Marine Organism	Per sample	US\$	580.00
26)	Mud Toxicity by using LC-50/96 hours on Freshwater Organism	Per sample	US\$	475.00
dd. WEIGHTING MATERIALS				
1)	API Specification-13 A Test of Barite	Per sample	US\$	125.00
2)	Laser Particle Size Analysis for D50 Fines	Per sample	US\$	75.00
3)	Performance Test of Barite (API RP 131)	Per sample	US\$	295.00
4)	Performance Test of Barite by adding Gypsum (OCMA DFCP-3)	Per sample	US\$	75.00
5)	Abbrassiveness of Barite (API RP 131)	Per sample	US\$	175.00
6)	Total Metals Analysis in Barite	Per unsur	US\$	18.00
7)	Leach able Test	Per unsur	US\$	25.00
8)	Purity Analysis of Barite	Per sample	US\$	100.00
9)	API Specification-13 A Test of Hematite Powder	Per sample	US\$	140.00
10)	Purity Analysis of Hematite	Per sample	US\$	100.00
ee. FILTRATION CONTROL AGENTS RP131				
1)	Initial Performance Test	Per sample	US\$	225.00
2)	Performance Test after Heat Aging up to 400°F	Per sample	US\$	350.00

3)	Saturated Salt Mud Test	Per sample	US\$	75.00
4)	High Hardness Content Saturated Salt Mud Test	Per sample	US\$	75.00
5)	10% KCl Mud Test	Per sample	US\$	90.00
ff. PERFORMANCE ANALYSIS OF :				
1)	Gravel Pack Sand (API RP 58) with photo	Per sample	US\$	310.00
2)	Gravel Pack Sand (API RP 58) without photo	Per sample	US\$	215.00
3)	Fracturing Sand (API RP 56)	Per sample	US\$	250.00
4)	Starch (API Spec.13A)	Per sample	US\$	180.00
5)	CMC-HV (API Spec. 13A)	Per sample	US\$	250.00
6)	CMC-LV (API Spec. 13A)	Per sample	US\$	200.00
7)	HEC	Per sample	US\$	250.00
8)	Tannin / Lignin (OCMA)	Per sample	US\$	145.00
9)	Lignite (4 temp. of hot roll, viscosity and filtration)	Per sample	US\$	1,270.00
10)	Polyanionic Cellulose (PAC)	Per sample	US\$	250.00
11)	Lignosulfonate mix with bentonite at variable concentration, Rheology and filtration	Per sample	US\$	200.00
gg. ADDITIVE MATERIALS				
1)	Purity Analysis of Potassium Chloride	Per sample	US\$	100.00
2)	Purity Analysis of Sodium Chloride	Per sample	US\$	100.00
3)	Purity Analysis of Calcium Chloride	Per sample	US\$	100.00
4)	Purity Analysis of Potassium Nitrate	Per sample	US\$	100.00
5)	Purity Analysis of Soda Ash	Per sample	US\$	100.00
6)	Purity Analysis of Caustic Soda	Per sample	US\$	100.00
7)	Purity Analysis of Sodium Bicarbonate	Per sample	US\$	100.00
8)	Purity Analysis of Hydrate Lime	Per sample	US\$	100.00
9)	Purity Analysis of Silica Flour	Per sample	US\$	110.00
10)	Chemical Analysis of Base Oils used in Drilling Fluids (RP131)	Per sample	US\$	185.00
11)	Evaluation of Lignite (D.I. Caustic Solubility, pH, Moisture, And Retained on Sieve No.20)	Per sample	US\$	270.00
hh. CLAY STABILIZER EVALUATION				
1)	Clay/Fine Stabilizer Effectiveness (need reservoir core where the stabilizer being used and formation water)	Per sample	US\$	1,500.00
2)	Additional information concerning Stabilizer Evaluation include SEM, XRD Analysis	Per sample	US\$	300.00
ii. WATER AND CORROSION				
1)	Water Quality Analysis (NACE Standard)	Per sample	US\$	250.00
2)	Scaling Tendency Analysis (CaCO ₃ , BaSO ₄ , SrSO ₄ , CaSO ₄)	Per sample	US\$	250.00
3)	Critical Velocity of Water Stimulation Fluid	Per sample	US\$	750.00
4)	Compatibility Test of Water Aging and Rolling at Reservoir Temperature.	Per sample	US\$	500.00
5)	Compatibility Test of Water, Aging at Room Temperature.	Per sample	US\$	175.00
6)	Filter Test using OSU F-II method	Per sample	US\$	500.00
7)	Particle size Distribution using Automatic Particle Counter 1 μ 1/2 60 μ 1/2m	Per sample	US\$	100.00
8)	Corrosion Coupon Analysis NACE RP 0775-87	Per sample	US\$	500.00
9)	Corrosion Inhibitor Quality Control Test	Per sample	US\$	240.00
10)	Scale Deposited Analysis	Per sample	US\$	172.00
11)	Additional Trace Metals of scale Deposited	Per sample	US\$	18.00
12)	Complete Water Analysis API RP 45	Per sample	US\$	180.00
13)	Analysis of Water as required by Kep Men KLH No. 51/1995	Per sample	US\$	130.00
14)	Analysis of Non-Dissolved Solids in Water	Per sample	US\$	115.00
jj. INDIVIDUAL CONSTITUENT IN WATER ANALYSIS				
1)	Oily Matter in Waste Water	Per sample	US\$	87.00

2) BOD	Per sample	US\$	60.00
3) COD	Per sample	US\$	40.00
4) Dissolved Oxygen	Per sample	US\$	35.00
5) Phenol	Per sample	US\$	50.00
6) Free Chlorine	Per sample	US\$	20.00
7) Dissolved Sulfate	Per sample	US\$	20.00
8) Dissolved Ammonia	Per sample	US\$	20.00
9) Bicarbonate	Per sample	US\$	18.00
10) Carbonate	Per sample	US\$	18.00
11) Chloride	Per sample	US\$	20.00
12) Sulfide	Per sample	US\$	18.00
13) Hydroxide	Per sample	US\$	18.00
14) Additional individual constituent analysis	Per sample	US\$	18.00
15) Oily Matter in Waste Water	Per sample	US\$	87.00
kk. OTHER SERVICES			
1) Acid Solubility Test	Per sample	US\$	85.00
2) Acid-Crude Compability Test	Per sample	US\$	175.00
3) Bulk Density of Powder	Per sample	US\$	20.00
4) Crush Resistance of Sands	Per sample	US\$	40.00
5) Dry Sieve Analysis, 6 Sieves	Per sample	US\$	60.00
6) Moisture Content	Per sample	US\$	30.00
7) Sand Shape Identification by using a SEM Photo	Per sample	US\$	100.00
8) Sand Shape Identification by using a Comperator	Per sample	US\$	55.00
9) pH Test	Per sample	US\$	10.00
10) Specific Gravity	Per sample	US\$	35.00
11) Turbidity Test in FTU	Per sample	US\$	75.00
12) Wet Screen Analysis, 1 Sieve	Per sample	US\$	35.00
13) Analysis of T.E.G. Physical & Chemical Analysis, ASTM E-202	Per sample	US\$	325.00
14) EC-50 analysis using Microfox	Per sample	US\$	300.00
15) Sampling of Drilling Materials (two men job)			
a) Sampling Operator Charges per Hari	Per hari	US\$	200.00
b) Assistant Sampling Operator Charges per Hari	Per hari	US\$	150.00
6. BIOMASS			
a. GAS			
1) Gas Composition (HC dan CO ₂)	Per sample	US\$	80.00
2) Impurities : (CVAAS)			
a) Mercury Content, ASTM D 2385	Per sample	US\$	55.00
b) Hydrogen Sulfide, ASTM D 2385	Per sample	US\$	55.00
c) Mercaptan, UOP 212	Per sample	US\$	55.00
d) Carbonyl	Per sample	US\$	60.00
3) Water Content/Due Titik, ASTM D 1142/ Gravimetry	Per sample	US\$	25.00
b. GEOTHERMAL GAS (FUMAROL)			
1) SO ₂	Per sample	US\$	55.00
2) Hydrogen Sulphide, H ₂ S, API RP-45	Per sample	US\$	55.00
3) Carbon Dioxide, CO ₂ , TITRIMETRY	Per sample	US\$	55.00
4) Chlorine, Cl ₂ , API RP-45	Per sample	US\$	55.00
5) Composition , Chromatography	Per sample	US\$	180.00
c. GENERAL CHARACTERISTICS OF CRUDE BIO OIL			
1) Specific Gravity, at 60/60°F, ASTM D. 1298	Per sample	US\$	13.00
2) i _c ½API Gravity at 60°F, ASTM D. 287	Per sample	US\$	13.00
3) Kinematic Viscosity, at 100°F, ASTM D. 445	Per sample	US\$	22.50

4) Kinematic Viscosity, at 122°F , ASTM D. 445	Per sample	US\$	22.50
5) Kinematic Viscosity, at 1400°F, ASTM D. 445	Per sample	US\$	22.50
6) Pour Titik, ASTM D. 97	Per sample	US\$	22.50
7) Reid Vapour Pressure at 100°F, ASTM D. 323	Per sample	US\$	31.00
8) Flash Titik, ABEL , IP. 170	Per sample	US\$	21.00
9) (T.A.N/S.A.N, T.B.N/S.B.N), ASTM D. 664	Per sample	US\$	55.00
10) Water Content, ASTM D. 95	Per sample	US\$	19.00
11) Basic Nitrogen, UOP. 269-70T	Per sample	US\$	49.00
12) Total Nitrogen Content, UOP. 384	Per sample	US\$	49.00
13) Distillation, ASTM D. 285	Per sample	US\$	65.00
14) Sediment Extraction, ASTM D. 473	Per sample	US\$	65.00
15) C, H, N, O, Combustion	Per sample	US\$	100.00
16) Chromatography Analysis, Chromatography	Per sample	US\$	180.00

d. ANALYSIS OF BIO OIL

1) Specific Gravity, at 60/60°F, ASTM D. 1298	Per sample	US\$	13.00
2) $\bar{\nu}$ ½API Gravity, ASTM D. 287	Per sample	US\$	13.00
3) Refractive Index, Refractometer	Per sample	US\$	22.50
4) Freezing Titik, ASTM D. 2386	Per sample	US\$	22.50
5) Smoke Titik, ASTM D. 1322	Per sample	US\$	22.50
6) Char Value/Burning Test, IP. 10	Per sample	US\$	36.00
7) Flash Titik, ABEL, IP. 170	Per sample	US\$	21.00
8) Flash Titik, PM. CC, ASTM D. 93	Per sample	US\$	21.00
9) Copper Strip Corrosion , ASTM D. 130	Per sample	US\$	27.50
10) Silver Strip Corrosion, IP. 227	Per sample	US\$	45.00
11) Kinematic Viscosity at < 85½°F, ASTM D. 445	Per sample	US\$	36.00
12) Kinematic Viscosity at > 85½°F, ASTM D. 445	Per sample	US\$	22.50
13) Neutralization value, ASTM D. 664	Per sample	US\$	55.00
14) Cloud Titik, ASTM D. 2500	Per sample	US\$	22.50
15) Pour Titik, ASTM D. 97	Per sample	US\$	22.50
16) Diesel Index, IP. 21	Per sample	US\$	27.50
17) Cetane Index, ASTM D. 976	Per sample	US\$	29.00
18) Cetane Number	Per sample	US\$	83.00
19) Appearance	Per sample	US\$	8.00
20) Conradson Carbon Residue, ASTM D. 189	Per sample	US\$	21.00
21) Ash Content, ASTM D. 482	Per sample	US\$	27.50
22) Water Content, ASTM D. 95	Per sample	US\$	19.00
23) Colour Saybolt, ASTM D. 156	Per sample	US\$	22.50
24) Colour ASTM, ASTM D. 1500	Per sample	US\$	13.00
25) Distillation, ASTM D. 86	Per sample	US\$	32.50
26) Oxydation Test, ASTM D. 873	Per sample	US\$	59.00
27) Sediment Content, ASTM D. 473	Per sample	US\$	65.00
28) Water Reaction, ASTM D. 1094	Per sample	US\$	13.00
29) Colour Lovibond, IP. 17	Per sample	US\$	13.00
30) Bromine Number, ASTM D.159/IP.130	Per sample	US\$	18.00
31) Water Content (By Karl Fisher), ASTM D. 1744	Per sample	US\$	25.00
32) Odour	Per sample	US\$	10.00
33) Vapour Pressure (Reid) at 100°F, ASTM D. 323	Per sample	US\$	21.00
34) Existent Gum (steam jet), ASTM D. 381	Per sample	US\$	31.00
35) Oxidation Stability 16 hrs :	Per sample	US\$	35.00
36) Heat of Combustion (net and gross), ASTM D. 240	Per sample	US\$	91.00
37) Water Sediment and suspended Matter, ASTM D. 96	Per sample	US\$	26.00
38) Water Content , ASTM D. 1744	Per sample	US\$	32.00

e. TRANSFORMATOR OIL

1) Specific Gravity at 60/60°F, ASTM D. 1298	Per sample	US\$	13.00
2) $\bar{\rho}_{40}^{15}$ API Gravity, ASTM D. 287	Per sample	US\$	13.00
3) Colour ASTM, ASTM D. 1500	Per sample	US\$	13.00
4) Kinematic Viscosity at 100°F, ASTM D. 445	Per sample	US\$	22.00
5) Kinematic Viscosity at 210°F, ASTM D. 445	Per sample	US\$	22.50
6) Viscosity Index (V.I), ASTM D. 2270	Per sample	US\$	22.50
7) Cloud Titik, ASTM D. 2500	Per sample	US\$	22.50
8) Pour Titik, ASTM D. 97	Per sample	US\$	22.50
9) Flash Titik, PM. CC , ASTM D. 93	Per sample	US\$	21.00
10) Flash Titik and Fire Titik, COC , ASTM D. 92	Per sample	US\$	25.00
11) Aniline Titik, ASTM D. 611	Per sample	US\$	27.50
12) Total Base Number, ASTM D. 2896	Per sample	US\$	55.00
13) Neutralization value, ASTM D. 664	Per sample	US\$	55.00
14) Conradson Carbon Residue, ASTM D. 189	Per sample	US\$	21.00
15) Ash Content, ASTM D. 482	Per sample	US\$	27.50
16) Water Content, ASTM D. 95	Per sample	US\$	19.00
17) Dilution of gasoline-engine crankcase oils, ASTM D. 322	Per sample	US\$	19.00
18) Diluent Content of crankcase oils, SMS. 93	Per sample	US\$	19.00
19) Sulfated Ash Content , ASTM D. 874	Per sample	US\$	27.50
20) Insoluble Content in used Lube oil, ASTM D. 893	Per sample	US\$	55.00
21) Foaming Tendency, ASTM D. 892	Per sample	US\$	55.00
22) Sulphur Content, ASTM D. 1551	Per sample	US\$	55.00
23) Rust Preventing Characteristic (24 hrs), ASTM D.665	Per sample	US\$	112.00
24) Oxydation Characteristic (1000 hrs), ASTM D. 943	Per sample	US\$	2,440.00
25) Corrosive Sulphur	Per sample	US\$	30.00
26) Resistivity, Potentiometry	Per sample	US\$	10.00
27) Electric Strength, Potentiometry	Per sample	US\$	45.00
28) Total Acid & Strong Acid Number, ASTM D. 664	Per sample	US\$	55.00
29) Fuel Dilution, ASTM D. 322	Per sample	US\$	19.00
30) Calcium, AA Spectrometry	Per sample	US\$	15.00
31) Barium, AA Spectrometry	Per sample	US\$	15.00
32) Magnesium, AA Spectrometry	Per sample	US\$	15.00
33) Zinc, AA Spectrometry	Per sample	US\$	15.00
34) IR Spectro, IR Spectrometry	Per sample	US\$	30.00
35) Foaming Stability, ASTM D. 892	Per sample	US\$	55.00
36) Phosphate, Vis-Spect.	Per sample	US\$	30.00
37) Insoluble in Used lubeoil, ASTM D. 893	Per sample	US\$	55.00

f. BIO DIESEL

1) Specific Gravity, at 60/60°F, ASTDM D.1289	Per sample	US\$	13.00
2) Kinematic Viscositas, at 100°F cSt, ASTDM D.445	Per sample	US\$	22.50
3) Colour ASTM, ASTDM D.1500	Per sample	US\$	8.00
4) Cetane Number, ASTDM D.613	Per sample	US\$	83.00
5) Calculated Cetane Index, ASTDM D.976	Per sample	US\$	29.00
6) Pour Titik, ASTDM D.97	Per sample	US\$	22.50
7) Cloud Titik, ASTDM D.2500	Per sample	US\$	22.50
8) Sulphur Content % wt, ASTDM D.1551	Per sample	US\$	55.00
9) Copper Strip Corrosion, ASTDM D.130	Per sample	US\$	27.50
10) Conradson Carbon Residue (on 10% vol bottom) %wt, ASTDM D.189	Per sample	US\$	21.00
11) Water Content % wt, ASTDM D.95	Per sample	US\$	25.00
12) Sediment Content % wt, ASTDM D.473	Per sample	US\$	65.00
13) Ash Content % wt, ASTDM D.482	Per sample	US\$	27.50
14) Neutralization Value, ASTDM D. 664	Per sample	US\$	55.00
15) Flash Titik, PM, CC oF, ASTDM D.93	Per sample	US\$	21.00
16) Distillation, and Recovery at 300oC, ASTDM D. 86	Per sample	US\$	32.50

g. WATER ANALYSIS

1) Oil Water (Complete Analysis), API Method	Per sample	US\$	151.00
2) Oil-Water Emulsion	Per sample	US\$	156.00
3) Oily Matter in Industrial Waste Water, ASTM D. 1340	Per sample	US\$	76.00
4) Industrial Water, Drinking Water	Per sample	US\$	132.50
5) Bacteriological Analysis (M.P.N. only)	Per sample	US\$	30.00
6) Individual Constituent/Analysis :			
a) Chlorine and Total Dissolved Solids	Per sample	US\$	36.00
b) Loss on Ignition at 900°C	Per sample	US\$	15.00
c) Resistivity, Potentiometry	Per sample	US\$	26.00
d) Hydrogen Sulfide	Per sample	US\$	22.50
e) PH	Per sample	US\$	8.00
f) Specific Gravity	Per sample	US\$	11.00
g) Sodium/Na	Per sample	US\$	13.00
h) Calcium, AA Spectrometry	Per sample	US\$	15.00
i) Magnesium, AA Spectrometry	Per sample	US\$	15.00
j) Iron, AA Spectrometry	Per sample	US\$	15.00
k) EDTA Titration, Titrimetry	Per sample	US\$	25.00
l) Barium, AA Spectrometry	Per sample	US\$	15.00
m) Arsenic, AA Spectrometry	Per sample	US\$	15.00
n) Chloride	Per sample	US\$	8.00
o) Bicarbonate, Titrimetry	Per sample	US\$	8.00
p) Carbonat, Titimetry	Per sample	US\$	8.00
q) Sulfide	Per sample	US\$	8.00
r) Hydroxide, Titrimetry	Per sample	US\$	8.00
s) Sulfate, Gravimetry	Per sample	US\$	15.00
t) Nitrate, Spectrometry	Per sample	US\$	15.00
u) Silica, Spectrometry	Per sample	US\$	19.00
v) B.O.D.	Per sample	US\$	45.00
w) C.O.D.	Per sample	US\$	25.00
x) D.O.	Per sample	US\$	20.00
y) Phenol, Spectrometry	Per sample	US\$	30.00
z) Amonium, Spectrometry	Per sample	US\$	15.00
aa) Perchlorate	Per sample	US\$	15.00
bb) Sulphur Trioxide, Titrimetry	Per sample	US\$	15.00
cc) Insoluble Water, Gravimetry	Per sample	US\$	15.00
7) Argentum/Silver/Ag, AA Spectrometry	Per sample	US\$	15.00
8) Ammonia/NH ₃	Per sample	US\$	30.00
9) Phosphate/PO ₄ , Spectrometry	Per sample	US\$	30.00
10) Floride, Spectrometry	Per sample	US\$	30.00
11) Boron, Spectrometry	Per sample	US\$	30.00
12) Strontium, AA Spectrometry	Per sample	US\$	15.00
13) Tin, AA Spectrometry	Per sample	US\$	15.00
14) Copper, AA Spectrometry	Per sample	US\$	15.00
15) Zinc, AA Spectrometry	Per sample	US\$	15.00
16) Lead, AA Spectrometry	Per sample	US\$	15.00
17) Iron, AA Spectrometry	Per sample	US\$	15.00
18) Chromium, AA Spectrometry	Per sample	US\$	15.00
19) Vanadium, AA Spectrometry	Per sample	US\$	15.00
20) Iodide, Spectrometry	Per sample	US\$	15.00
21) Cyanide, Spectrometry	Per sample	US\$	15.00
22) Molybdenum, AA Spectrometry	Per sample	US\$	15.00
23) Surface tension	Per sample	US\$	15.00
24) Turbidity, Spectrometry	Per sample	US\$	8.00

25) Miscibility With Water	Per sample	US\$	8.00
26) Corrosion Rate	Per sample	US\$	10.00
27) Boiling Titik	Per sample	US\$	15.00
28) Titanium, ICP Spectrometry	Per sample	US\$	20.00
29) Aldehydes and Ketone, Spectrometry	Per sample	US\$	30.00
30) Polyethylene, Spectrometry	Per sample	US\$	30.00
31) Microba/Fungus Content	Per sample	US\$	50.00
32) PCB	Per sample	US\$	100.00
h. SPRING WATER			
1) pH, Potentiometry	Per sample	US\$	8.00
2) HCO ₃ , Titrimetry	Per sample	US\$	8.00
3) CO ₃ ²⁻ , Titrimetry	Per sample	US\$	8.00
4) Chloride, Cl. Titrimetry	Per sample	US\$	8.00
5) Sulfate, Gravimetry	Per sample	US\$	15.00
6) Li, AE Spectrometry	Per sample	US\$	13.00
7) Na, AE Spectrometry	Per sample	US\$	13.00
8) K, AE Spectrometry	Per sample	US\$	13.00
9) Ca, AA Spectrometry	Per sample	US\$	15.00
10) Mg, AA Spectrometry	Per sample	US\$	15.00
11) Fe, AA Spectrometry	Per sample	US\$	15.00
12) B, Spectrometry	Per sample	US\$	30.00
13) Br, Spectrometry	Per sample	US\$	30.00
14) Fluoride, Spectrometry	Per sample	US\$	30.00
15) Cs, AA Spectrometry	Per sample	US\$	15.00
i. OIL WATER			
1) Ph	Per sample	US\$	8.00
2) Total Dissolved Solids (evap), Gravimetry	Per sample	US\$	35.00
3) Resistivity, Conduvity	Per sample	US\$	15.00
4) Chloride, Mohr	Per sample	US\$	15.00
5) Bicarbonate, Titrimetry	Per sample	US\$	8.00
6) Sulphate, Gravimetry	Per sample	US\$	15.00
7) Carbonate, Titrimetry	Per sample	US\$	8.00
8) Hidrokside, Titimetry	Per sample	US\$	8.00
9) Sodium, Calculation	Per sample	US\$	13.00
10) Calsium, AA Spectrometry	Per sample	US\$	15.00
11) Magnesium, AA Spectrometry	Per sample	US\$	15.00
12) Iron, AA Spectrometry	Per sample	US\$	15.00
13) Barium, AA Spectrometry	Per sample	US\$	15.00
14) Hydrogen Sulphide, API-RP 45	Per sample	US\$	55.00
j. WASTE WATER			
1) pH, Electrometry	Per sample	US\$	8.00
2) Temperatur	Per sample	US\$	8.00
3) Oil Content & Grease, Concaawe I/72	Per sample	US\$	76.00
4) Phenol, Standard Method	Per sample	US\$	30.00
5) B O D	Per sample	US\$	45.00
6) C O D, Titrimetry	Per sample	US\$	25.00
7) D O	Per sample	US\$	20.00
8) Total Dissolve Solid, Gravimetry	Per sample	US\$	35.00
9) Total Suspended Solid, Gravimetry	Per sample	US\$	30.00
10) Nitrite (NO ₂ -N), Titrimetry	Per sample	US\$	15.00
11) Nitrat, NO ₃ , ASTM D. 3867	Per sample	US\$	15.00
12) Mercury, Hg, CVAAS	Per sample	US\$	20.00

13)	Lead, Pb, AA	Per sample	US\$	15.00
14)	Zinc, Zn, AA	Per sample	US\$	15.00
15)	Nickel, Ni, AA Spectrometry	Per sample	US\$	15.00
16)	Copper, Cu, AA	Per sample	US\$	15.00
17)	Cadmium, Cd, AA	Per sample	US\$	15.00
18)	Cobalt, Co, AA	Per sample	US\$	15.00
19)	Mangan, Mn, AA	Per sample	US\$	15.00
20)	Chromium, Cr, AA	Per sample	US\$	15.00
21)	Arsen, As, AA	Per sample	US\$	15.00
22)	Silica, SiO ₂ , Spectrometry	Per sample	US\$	15.00
23)	Sulfida, S	Per sample	US\$	15.00
24)	Cyanida, Spectrometry	Per sample	US\$	15.00
25)	Fosfat, PO ₄ ³⁻ , ASTM D.515	Per sample	US\$	30.00
26)	Amonia, NH ₃ , Spectrometry	Per sample	US\$	15.00
27)	Barium, Ba, AA	Per sample	US\$	15.00
28)	Selenium, Se, AA	Per sample	US\$	15.00
29)	Tin, Sn, AA	Per sample	US\$	15.00
30)	Iron, Fe, AA	Per sample	US\$	15.00
31)	Methyl Blue Active, Spectrometry	Per sample	US\$	30.00
32)	Free Chlorine, Spectrometry	Per sample	US\$	15.00
k. WATER AND SEDIMENT				
1)	Polycyclic Aromatic Hydrocarbons (PAH), Spectrofluorometry	Per sample	US\$	100.00
2)	Volatile Aromatic, Spectrofluorometry	Per sample	US\$	76.00
3)	Total Hydrocarbon	Per sample	US\$	76.00
4)	Phenols, UV/Vis Spectrometry	Per sample	US\$	30.00
5)	Naphtenic Acids	Per sample	US\$	30.00
l. DISPERSANT/SURFACTANT/DITERGENT				
1)	Oil Content, CONCAWE.	Per sample	US\$	76.00
2)	Heavy Metals, AA Spetrometry	Per sample	US\$	15.00
3)	Effectivity	Per sample	US\$	25.00
4)	Biodegradation test	Per sample	US\$	100.00
5)	Ash Content, Gravimetry	Per sample	US\$	21.00
6)	Standard EPA Toxicity Test	Per sample	US\$	1,500.00
7)	Modified EPA Toxicity Test	Per sample	US\$	750.00
m. MUD				
1)	Oil Content, Concawe I/72	Per sample	US\$	76.00
2)	Water Content, Gravimetry	Per sample	US\$	20.00
3)	Mercury, Hg, CVAAS	Per sample	US\$	20.00
4)	Copper, Cu, AAS	Per sample	US\$	15.00
5)	Cadmium, Cd, AAS	Per sample	US\$	15.00
6)	Chromium, Cr, AAS	Per sample	US\$	15.00
7)	Zinc, Zn, AAS	Per sample	US\$	15.00
n. CEMENT				
1)	Total Alkali, AE Spectrometry	Per sample	US\$	25.00
2)	Loss on Ignition, Gravimetry	Per sample	US\$	15.00
3)	Insoluble Matter, Gravimetry	Per sample	US\$	20.00
4)	Silicon Oxide, SiO ₂ , Gravimetry	Per sample	US\$	20.00
5)	Aluminium Oxide, Al ₂ O ₃ , AA Spectrometry	Per sample	US\$	15.00
6)	Ferric Oxide, Fe ₂ O ₃ , AA Spectrometry	Per sample	US\$	15.00
7)	Calcium Oxide, CaO, AA Spectrometry	Per sample	US\$	15.00
8)	Magnesium Oxide, MgO, AA Spectrometry	Per sample	US\$	15.00

9)	Sulfur Trioxide, SO ₃ , Titrimetry	Per sample	US\$	15.00
o.	TCLP on Mud, Sludge, Spent Catalyst, Solid Waste, etc.			
1)	Metals in Original Per sample			
a)	Arsen, AAS	Per sample	US\$	15.00
b)	Barium, AAS	Per sample	US\$	15.00
c)	Cadmium, AAS	Per sample	US\$	15.00
d)	Copper, AAS	Per sample	US\$	15.00
e)	Chromium, AAS	Per sample	US\$	15.00
f)	Nickel, AAS	Per sample	US\$	15.00
g)	Lead, AAS	Per sample	US\$	15.00
h)	Zinc, AAS	Per sample	US\$	15.00
i)	Mercury, AAS	Per sample	US\$	15.00
j)	Silver, AAS	Per sample	US\$	15.00
2)	Metals in Extract, TCLP			
a)	Arsen, AAS	Per sample	US\$	15.00
b)	Barium, AAS	Per sample	US\$	15.00
c)	Cadmium, AAS	Per sample	US\$	15.00
d)	Copper, AAS	Per sample	US\$	15.00
e)	Chromium, AAS	Per sample	US\$	15.00
f)	Nickel, AAS	Per sample	US\$	15.00
g)	Lead, AAS	Per sample	US\$	15.00
h)	Zinc, AAS	Per sample	US\$	15.00
i)	Mercury, AAS	Per sample	US\$	15.00
j)	Silver, AAS	Per sample	US\$	15.00
p.	GAS CHROMATOGRAPHY			
1)	Routin Gas Analysis (C1 to C7 + H ₂ S + N ₂ , CO, N ₂ , O ₂ , H ₂), Gas Chromatography	Per sample	US\$	180.00
a)	Gas Gravity (measured), IP-59/C	Per sample	US\$	99.00
b)	Heating Value	Per sample	US\$	27.50
c)	Moisture/Dew Titik	Per sample	US\$	25.00
d)	Mercaptane Sulphur, ASTM D. 2385	Per sample	US\$	55.00
e)	Hydrogen Sulfide, ASTM D. 2385	Per sample	US\$	55.00
f)	Carbonyl Sulfide, UOP.	Per sample	US\$	60.00
2)	Impurities of Gas (Argon, Oxygen)	Per sample	US\$	100.00
3)	Crude Rum/Methanol (N-Propanol, i-Butanol, i-Amylalcohol)	Per sample	US\$	59.00
4)	Compositional Analysis for Crude Oil :			
a)	C ₁ to C ₁₂	Per sample	US\$	300.00
b)	C ₁ to C ₂₂	Per sample	US\$	350.00
c)	C ₁ to C ₃₀	Per sample	US\$	400.00
5)	Compositional Analysis for Saturated fraction C ₁₀ to C ₄₀	Per sample	US\$	200.00
6)	Water Content in Lubricating Oil	Per sample	US\$	125.00
7)	Carbon Tetra Chloride	Per sample	US\$	50.00
q.	ATOMIC ABSORPTION SPECTROPHOTOMETRY			
1)	Sampel Preparation by Extraction and Ashing (such as Fe, Co, Ni, Cu, Cr, Al, Ba, V in heavy petroleum product or minerals)	Per sample	US\$	60.00
2)	Sample Preparation by Extraction (such as Fe, Co, Ni, Cu, Cr, Al, Ba, V in Light petroleum product and water/aqua solution)	Per sample	US\$	54.00
a)	Sample Preparation by Extraction (only for Pb in light Petroleum Product)	Per sample	US\$	54.00
b)	Without sample preparation/water sample	Per sample	US\$	11.00

r.	ATOMIC EMISSION SPECTROPHOTOMETRY			
	1) Na, K atau Li	Per unsur	US\$	9.00
	2) M - number of Unsurs to be determined	Per sample	US\$	11.00
	3) I.C.P.S. (Induced Couplet Plasma) (such as Ba, Li, Sr, etc)	Per sample	US\$	20.00
s.	LIQUID CHROMATOGRAPHY			
	1) Complete Analysis of Hydrocarbon	Per sample	US\$	135.00
	2) Hydrocarbon Saturated only	Per sample	US\$	100.00
	3) Hydrocarbon Aromatic only	Per sample	US\$	125.00
	4) Hydrocarbon Heavy Product only	Per sample	US\$	125.00
t.	IR. SPECTROPHOTOMETRY			
	1) Running	Per sample	US\$	30.00
	2) Oil Content	Per sample	US\$	76.00
	3) Ethylene Oxide	Per sample	US\$	50.00
	4) Paraffine + Naphthene + Aromat	Per sample	US\$	100.00
u.	U.V/VISIBLE SPECTROPHOTOMETRY			
	1) Mono, Di and Polyaromatic, Total	Per sample	US\$	135.00
	2) Phosphate	Per sample	US\$	30.00
	3) Metals (such as V, Ni)	Per sample	US\$	58.00
	4) Chrom Hexavalent	Per sample	US\$	25.00
	5) Methylene Blue Active	Per sample	US\$	25.00
	6) Toluene	Per sample	US\$	30.00
	7) Diolefine Index	Per sample	US\$	30.00
	8) Penyinaran Ultra Violet	Per sample	US\$	30.00
	9) Chlorophyl	Per sample	US\$	25.00
	10) Fluorida	Per sample	US\$	30.00
	11) Bromide	Per sample	US\$	30.00
	12) Ammonium	Per sample	US\$	30.00
v.	SPECTROFLUOROMETRY			
	1) Polyaromatic	Per sample	US\$	125.00
	2) Spectra Synchronous	Per sample	US\$	50.00
w.	BIOTECKHNOLOGY ANALYSIS			
	1) Sulfat Reducing Bacteria, ATCC 7757	Per sample	US\$	40.00
	2) Sulfur Oxidasing Bacteria (SOB), Plate Count	Per sample	US\$	15.00
	3) Total Plate Count, Plate Count	Per sample	US\$	10.00
	4) Identification and Determination,			
	a) Bacteria, - Microscopy and Biochemistry	Per sample	US\$	25.00
	b) Fungsi, - Microscopy and Visual	Per sample	US\$	12.00
	5) Biodegradation Crude Oil, Composition by GC	Per sample	US\$	100.00
	6) Biodegradation Surfactan, Spectroscopy	Per sample	US\$	30.00
	7) Scale Inhibitor, Boil by Autoclave	Per sample	US\$	60.00
	8) Coliform Inhibitor Corrosion, Coupon Test	Per sample	US\$	50.00
	9) Coliform Group, MPN	Per sample	US\$	20.00
	10) Salinity Shell Water Detector, Water Content Test	Per sample	US\$	40.00
	11) Viscosity, Viscometer	Per sample	US\$	17.50
	12) CHN, Unsurer Analyzer	Per sample	US\$	100.00
	13) Biocorossion Test, Corrosometer	Per sample	US\$	150.00
	14) Salmonella, Incubation	Per sample	US\$	22.50
	15) Benthos, Microscopy	Per sample	US\$	17.50
	16) Plankton, Microscopy	Per sample	US\$	22.50
	17) Salinity, Titrimetry	Per sample	US\$	15.00

x.	ISOTOPES			
	1) Carbon Isotope of Natural Gas (Gas Chromatography-Isotope Ratio Mass Spectrometry) / GC $\dot{i}_i^{1/2}$ IRMS)	Per sample	US\$	100.00
	2) Isotope of Solid/Liquid/Powder (Unsural Analyzer Isotope Ratio Mass Spectrometry / EA $\dot{i}_i^{1/2}$ IRMS)	Per sample	US\$	50.00
	3) Isotope of Water (Duel Inlet Isotope RatioMass Spectrometry / DI $\dot{i}_i^{1/2}$ IRMS)	Per sample	US\$	50.00
y.	LABORATORY TESTING SERVICES			
	1) Salt spray (fog) testing for simulates plant environtmental corrosion condition for several material using salt solution, 96 hoursperiod of test, 1-5coupon(s) each test, ASTM B-117	Per test	US\$	971.00
	2) Modified salt spray (fog) testing for simulates plantenvirontmental corrosion condition for several material using salt solution, 96 hoursperiod of test, 1-5 coupon(s) each test, ASTM G-85, ASTM D-1141	Per test	US\$	980.00
	3) Cooper-accelerated sectic acid-salt spray (fog) testing 96 hoursperiod of test, 1-5 coupon(s) each test, ASTM B-386	Per test	US\$	979.00
	4) Laboratory corrosion testing of metal in any mediums/fluids using immersion method (Kettle Test), using synthetic brine water bubble wit CO2 gas, 7 days period of test; corrosion rates provided by both of LPR/ER probes and weight lose methode NACE TM 169, ASTM G-31	Per test	US\$	2,587.00
	5) Chemical compatibility test for inhibitor	Per test	US\$	134.00
	6) Emulsion tendency test for inhibitor	Per test	US\$	182.00
	7) Foaming tendency and stability test for inhibitor	Per test	US\$	119.00
	8) Rack gunking test for inhibitor	Per test	US\$	191.00
	9) Jet Impingement test for inhibitor	Per test	US\$	1,766.00
	10) Thermal stability test for inhibitor	Per test	US\$	1,747.00
	11) Coorosion Coupon Processing from fields, NACE RP 775	Per coupon	US\$	180.00
z.	FIELD INSPECTION AND MONITORING			
	1) Inspection of pipe/vessel/tank coating holiHaris, NACE RP 188	Per hari	US\$	375.00
	2) Measurement of coating thickness of metal or non metal surfaces, ASTM D-1186	Per hari	US\$	370.00
	3) Inspection ofexisting pipe / vessel / tank coating defects	Per hari	US\$	376.00
	4) Inspection of wall thickness (tank/vessel/pipe) using B-Scanning System TMI-150, API 653	Per hari	US\$	996.00
	5) Inspection of wall thickness (tank/vessel/pipe) using T SCOPE DL, API 653	Per hari	US\$	654.00
	6) Flaw detection of metal using EPOCH III, API 653	Per hari	US\$	706.00
	7) Routine cathodic protection reading on test post, NACE RP 169	Per hari	US\$	370.00
	8) Close potential logging (CPL) for cathodic protection, NACE RP 792	Per hari	US\$	687.00
	9) Interference testing of cathodic protection system, NACE RP 169	Per hari	US\$	384.00
	10) Insulating joint inspection of pipe lines, NACE RP 286	Per hari	US\$	98.00
	11) Field measurement of soil resistivity, ASTM G-57	Per titik	US\$	376.00
	12) Soil pH measurement, ASTM G-51	Per hari	US\$	401.00
	13) Soil Salinity, conductivity and temperature measurement	Per hari	US\$	372.00
	14) Potential soil gradient measurement	Per hari	US\$	384.00
	15) Field corrosion rate measurement with Corrosometer	Per hari	US\$	98.00
	16) Pipes and cables location	Per titik	US\$	377.00
aa.	SAMPLING			
	1) Personal Charge (One-Man-Job) in-side Java	Per hari	US\$	30.00
	2) Personal Charge (One-Man-Job) out-side Java	Per hari	US\$	400.00
F.	PUSAT DATA NASIONAL ENERGI DAN SUMBER DAYA MINERAL			
	1. Penyimpanan Data			
	a. Data Digital			
	1) Penyewaan			
	a) Uang pangkal berlangganan	Per paket	US\$	300,000.00
	b) Biaya sewa	Per paket/th	US\$	250,000.00
	2) Managemen Data			
		Per paket	US\$	50,000.00

b.	Data Hard Copy			
1)	Penyewaan			
	– Biaya sewa	Per mi ² /bulan	US\$	20.00
2)	Management Data			
	–Management Data (quality control, katologisasi dan peningkatan kualitas data)	Per mi ² /km	US\$	0.50
c.	Data Core dan Sampel lainnya			
	Biaya Sewa	Per mi ² /bulan	US\$	2.50
2.	Penjualan Data			
a.	Data Digital			
1)	Data Seismic			
a)	2D data	Per km ²	US\$	1,000.00
b)	3D data	Per km ²	US\$	3,000.00
2)	Data Sumuran	Per well	US\$	2,000.00
3)	Data lainnya	Per paket	US\$	10,000.00
b.	Data Hard Copy			
1)	Data Seismic	Per sheet	US\$	100.00
2)	Data Sumuran	Per well	US\$	600.00
3)	Data lainnya	Per paket	US\$	5,000.00

JENIS PENERIMAAN NEGARA BUKAN PAJAK**SATUAN****TARIF****IV. PENERIMAAN DARI PELAYANAN JASA BIDANG PENDIDIKAN DAN PELATIHAN****A. SEKRETARIAT BADIKLAT****1. Pemakaian Ruang Kelas**

a. Kapasitas 20 orang	Per hari	Rp	200.000,00
b. Kapasitas 30 orang	Per hari	Rp	300.000,00
c. Kapasitas 40 orang	Per hari	Rp	400.000,00

2. Pemakaian Ruang Aula

a. Untuk Seminar		Rp	
1) Intern DESDM	Per 6 jam	Rp	1.000.000,00
2) Umum	Per 6 jam	Rp	2.000.000,00
b. Untuk Resepsi			
1) Pegawai DESDM	Per 6 jam	Rp	1.000.000,00
2) Umum	Per 6 jam	Rp	1.500.000,00

B. PUSAT PENDIDIKAN DAN PELATIHAN MINYAK DAN GAS BUMI**1. JASA PENDIDIKAN DAN LATIHAN**

a. Pendidikan Akademi Minyak dan Gas Bumi/Akamigas (Reguler)	Per orang / bulan	Rp	3.250.000,00
b. Jasa Pelatihan (Non Reguler)			
1) Jangka Waktu Pelatihan			
a) Jangka Pendek : 1 - 6 hari		Rp	4.500.000,00
1) Tingkat Operator	Per orang / paket	Rp	5.250.000,00
2) Tingkat Supervisor	Per orang / paket	Rp	5.625.000,00
3) Tingkat Manajer	Per orang / paket		
b) Jangka Menengah : 7 - 14 hari		Rp	6.300.000,00
1) Tingkat Operator	Per orang / paket	Rp	7.125.000,00
2) Tingkat Supervisor	Per orang / paket		

3) Tingkat Manajer	Per orang / paket	Rp 7.500.000,00
c) Jangka Panjang : > 14 hari		
1) Tingkat Operator	Per orang / paket	Rp 9.600.000,00
2) Tingkat Supervisor	Per orang / paket	Rp 10.050.000,00
3) Tingkat Manajer	Per orang / paket	Rp 10.350.000,00
2) Ujian Sertifikasi di Cepu		
a) Sertifikasi Bor		
1) Juru Bor	Per orang / paket	Rp 800.000,00
2) Ahli Pengendali Bor	Per orang / paket	Rp 800.000,00
3) Operator Lantai Bor	Per orang / paket	Rp 500.000,00
4) Operator Menara Bor	Per orang / paket	Rp 500.000,00
b) Sertifikasi Operator Pesawat Angkat	Per orang / paket	Rp 500.000,00
c) Sertifikasi Operator Perawatan Sumur		
1) Operator Lantai Perawatan	Per orang / paket	Rp 500.000,00
2) Operator Menara Perawatan	Per orang / paket	Rp 500.000,00
3) Operator Unit Perawatan	Per orang / paket	Rp 800.000,00
4) Ahli Pengendali Perawat sumur	Per orang / paket	Rp 800.000,00
5) Pengawas Perawatan sumur	Per orang / paket	Rp 800.000,00
d) Sertifikasi Seismik	Per orang / paket	Rp 500.000,00
e) Sertifikasi Aviation		
1) Tingkat A	Per orang / paket	Rp 500.000,00
2) Tingkat B & C	Per orang / paket	Rp 800.000,00
f) Sertifikasi Operator Prod. Lepas Pantai		

1) Operator Muda	Per orang / paket	Rp	500.000,00
2) Operator Madya	Per orang / paket	Rp	500.000,00
3) Operator Kepala Produksi	Per orang / paket	Rp	800.000,00
4) Pengawas Operasi Produksi	Per orang / paket	Rp	800.000,00
5) Pengawas Utama Produksi	Per orang / paket	Rp	800.000,00
3) Ujian Sertifikasi di luar Cepu			
a) Sertifikasi Bor			
1) Juru Bor	Per orang / paket	Rp	400.000,00
2) Ahli Pengendali Bor	Per orang / paket	Rp	400.000,00
3) Operator Lantai Bor	Per orang / paket	Rp	400.000,00
4) Operator Menara Bor	Per orang / paket	Rp	400.000,00
b) Sertifikasi Operator Pesawat Angkat			
c) Sertifikasi Operator Perawatan Sumur			
1) Operator Lantai Perawatan	Per orang / paket	Rp	400.000,00
2) Operator Menara Perawatan	Per orang / paket	Rp	400.000,00
3) Operator Unit Perawatan	Per orang / paket	Rp	500.000,00
4) Ahli Pengendali Perawatan sumur	Per orang / paket	Rp	500.000,00
5) Pengawas Perawatan Sumur	Per orang / paket	Rp	500.000,00
d) Sertifikasi Seismik			
e) Sertifikasi Aviation			
1) Tingkat A	Per orang / paket	Rp	400.000,00
2) Tingkat B & C	Per orang / paket	Rp	500.000,00

f) Sertifikasi Operator Prod. Lepas Pantai

1) Operator Muda	Per orang / paket	Rp	400.000,00
2) Operator Madya	Per orang / paket	Rp	400.000,00
3) Operator Kepala Produksi	Per orang / paket	Rp	500.000,00
4) Pengawas Operasi Produksi	Per orang / paket	Rp	500.000,00
5) Pengawas Utama Produksi	Per orang / paket	Rp	500.000,00

2. JASA PELAYANAN KEAHLIAN

a. Rekayasa Engineering	Per orang / hari	Rp	300.000,00
b. Studi Reservoir	Per orang / hari	Rp	300.000,00
c. Studi Lainnya	Per orang / hari	Rp	300.000,00
d. Perbantuan Tenaga Ahli	Per orang / bulan	Rp	12.600.000,00

3. JASA PERAGA DIKLAT

a. Harga Dasar Jasa Pengolahan Minyak mentah	Per liter	Rp	33,74
b. Harga Dasar Penjualan produk sampingan :			
1) Residu I	Per liter	Rp	578,00
2) Residu 38	Per liter	Rp	628,00
3) Residu 30	Per liter	Rp	673,00
4) Residu SK	Per liter	Rp	251,00
5) BOD	Per liter	Rp	728,00
6) Wax	Per kg	Rp	1.151,00
7) Slud Wax	Per kg	Rp	137,00

c. JASA LABORATORIUM

1) Lab. Minyak Bumi		Rp	35.750,00
a) Specific gravity	Per pemeriksaan	Rp	35.750,00
b) API Gravity	Per pemeriksaan	Rp	75.625,00
c) Copper strip corrosion	Per pemeriksaan		

d)	Conradson Carbon Residu	Per pemeriksaan	Rp	57.750,00
e)	Existent Gum	Per pemeriksaan	Rp	103.125,00
f)	Flash Point PMCC	Per pemeriksaan	Rp	57.750,00
g)	Flash Point COC	Per pemeriksaan	Rp	57.750,00
h)	Flash Point Abel	Per pemeriksaan	Rp	57.750,00
i)	Flash Point Tag	Per pemeriksaan	Rp	57.750,00
j)	Reid Vapor Pressure (RVP)	Per pemeriksaan	Rp	85.250,00
k)	Colour ASTM	Per pemeriksaan	Rp	35.750,00
l)	Colour Lovibond	Per pemeriksaan	Rp	35.750,00
m)	Colour Saybolt	Per pemeriksaan	Rp	35.750,00
n)	Kinematic Viscosity at 100 i_c ½ F	Per pemeriksaan	Rp	61.875,00
o)	Kinematic Viscosity at 210 i_c ½ F	Per pemeriksaan	Rp	61.875,00
p)	Kinematic Viscosity at 40 i_c ½ C	Per pemeriksaan	Rp	61.875,00
q)	Kinematic Viscosity at 100 i_c ½ C	Per pemeriksaan	Rp	61.875,00
r)	Viscosity Index	Per pemeriksaan	Rp	123.750,00
s)	Saybolt Viscosity	Per pemeriksaan	Rp	61.875,00
t)	Redwood Viscosity	Per pemeriksaan	Rp	61.875,00
u)	Distilasi ASTM	Per pemeriksaan	Rp	88.000,00
v)	Aniline Point/DI/CI	Per pemeriksaan	Rp	75.625,00
w)	Calculated Cetane Index	Per pemeriksaan	Rp	79.750,00
x)	Smoke Point	Per pemeriksaan	Rp	61.875,00
y)	Water content	Per pemeriksaan	Rp	52.250,00
z)	Ash content	Per pemeriksaan	Rp	75.625,00
aa)	Sediment by Extraction	Per pemeriksaan	Rp	178.750,00
bb)	Insoluble in Used Oil (centrifuge)	Per pemeriksaan	Rp	151.250,00

cc) Doctor Test	Per pemeriksaan	Rp	44.000,00
dd) Pour Test	Per pemeriksaan	Rp	61.875,00
ee) Water Reaction	Per pemeriksaan	Rp	35.750,00
ff) Indexs Bias	Per pemeriksaan	Rp	61.875,00
gg) Char Value	Per pemeriksaan	Rp	99.000,00
hh) Characteristic Factor,KUOP	Per pemeriksaan	Rp	61.875,00
ii) Melting Point	Per pemeriksaan	Rp	30.250,00
jj) Softening Point R & B	Per pemeriksaan	Rp	89.000,00
kk) Research Octane Number, RON	Per pemeriksaan	Rp	309.375,00
ll) Water & Sediment	Per pemeriksaan	Rp	71.500,00
mm) Wax Content	Per pemeriksaan	Rp	275.000,00
nn) Congealing Point of Petroleum Wax	Per pemeriksaan	Rp	35.750,00
oo) Freezing Point	Per pemeriksaan	Rp	92.813,00
pp) Aromatic Content	Per pemeriksaan	Rp	107.250,00
qq) Silver Strip corrosion	Per pemeriksaan	Rp	123.750,00
rr) Cloud Point	Per pemeriksaan	Rp	61.875,00
2) Lab. Kimia BBM/NON BBM			
a) Sulfur Content ASTM D 1266	Per pemeriksaan	Rp	151.250,00
b) Sulfur content	Per pemeriksaan	Rp	151.250,00
c) Carbon Content	Per pemeriksaan	Rp	133.750,00
d) Hydrogen content	Per pemeriksaan	Rp	133.750,00
e) Mercaptan Sulfur	Per pemeriksaan	Rp	137.500,00
f) Total Acidity	Per pemeriksaan	Rp	151.250,00
g) TAN/TBN ASTM D 664	Per pemeriksaan	Rp	133.750,00
h) TAN/TBN ASTM D 974	Per pemeriksaan	Rp	133.750,00
i) SAN	Per pemeriksaan	Rp	133.750,00

j) Sulfated Ash	Per pemeriksaan	Rp	68.750,00
k) Salt Content	Per pemeriksaan	Rp	123.750,00
l) TEL Content	Per pemeriksaan	Rp	103.125,00
m) Lead Content	Per pemeriksaan	Rp	217.250,00
n) Calorific Value (Bomb Method)	Per pemeriksaan	Rp	250.000,00
o) Metal Content (tiap logam)	Per pemeriksaan	Rp	41.250,00
3) Air			
a) Air Minum :			
1) Fisika-Kimia	Per pemeriksaan	Rp	281.250,00
2) Mikrobiologi	Per pemeriksaan	Rp	75.000,00
b) Air bersih :			
1) Fisika-Kimia	Per pemeriksaan	Rp	281.250,00
2) Mikrobiologi	Per pemeriksaan	Rp	75.000,00
c) Badan Air :			
1) Fisika-Kimia	Per pemeriksaan	Rp	281.250,00
2) Mikrobiologi	Per pemeriksaan	Rp	75.000,00
4) Lab. Lindungan Lingkungan			
a) Udara	Per pemeriksaan	Rp	237.500,00
b) Kebisingan	Per pemeriksaan	Rp	10.000,00
c) Limbah air	Per pemeriksaan	Rp	93.750,00
5) Lab. Produksi			
a) Oil Well Cement & Mud analysis			
1) Density	Per pemeriksaan	Rp	26.250,00
2) Viscosity Marsh Funnel	Per pemeriksaan	Rp	26.250,00
3) Rheology Properties	Per pemeriksaan	Rp	87.500,00

4) Fluid Loss	Per pemeriksaan	Rp	62.500,00
5) High Pressure & High Temp. fluid loss test	Per pemeriksaan	Rp	112.500,00
6) PH Analysis	Per pemeriksaan	Rp	26.250,00
7) Free Water	Per pemeriksaan	Rp	75.000,00
8) compressive Strength Test	Per pemeriksaan	Rp	150.000,00
9) Sieve analysis Test	Per pemeriksaan	Rp	112.500,00
10) Specific Gravity Cement Powder	Per pemeriksaan	Rp	87.500,00
11) Initial & Final Setting Test by Penetrometer	Per pemeriksaan	Rp	112.500,00
12) Wet Screen analysis Testing Using two sieve	Per pemeriksaan	Rp	75.000,00
13) Moisture Content	Per pemeriksaan	Rp	87.500,00
14) Bentonite	Per pemeriksaan	Rp	187.500,00
15) Non Treated Bentonite	Per pemeriksaan	Rp	187.500,00
16) Attalugite	Per pemeriksaan	Rp	187.500,00
17) Spiolite	Per pemeriksaan	Rp	187.500,00
18) Technical Grade Low-Viscosity CMC	Per pemeriksaan	Rp	212.500,00
19) Technical Grade High-Viscosity CMC	Per pemeriksaan	Rp	212.500,00
20) Starch	Per pemeriksaan	Rp	212.500,00
b) Routine Core Analysis			
1) Complete (porosity,Hor.Permeability)	Per pemeriksaan	Rp	175.000,00
2) Partial (any Two or above)	Per pemeriksaan	Rp	137.500,00
3) Porosity (by Helium Injection Boyle's Law	Per pemeriksaan	Rp	87.500,00
4) Horizontal Permeability	Per pemeriksaan	Rp	87.500,00
5) Vertical Permeability	Per pemeriksaan	Rp	87.500,00
6) Grain Density (calculated)	Per pemeriksaan	Rp	62.500,00

7) Grain Density (Measured)	Per pemeriksaan	Rp	100.000,00
8) Bulk (saturated) Density (by Mercury Injection)	Per pemeriksaan	Rp	50.000,00
9) Mounting required for Soft or Friable Rocks	Per pemeriksaan	Rp	56.250,00
10) Acid solubility	Per pemeriksaan	Rp	50.000,00
11) Kadar Minyak dalam sludge	Per pemeriksaan	Rp	187.500,00
12) Pemeriksaan TCLP Sludge			
(a) Ekstraksi	Per pemeriksaan	Rp	625.000,00
(b) Pengujian logam	Per pemeriksaan	Rp	37.500,00
6) Lab Teknik Sipil			
a) Pemeriksaan Beton			
1) Test Tekan Kubus	Per buah	Rp	10.000,00
2) Hammer Test	Per buah	Rp	5.000,00
3) Test Tekan Silinder	Per buah	Rp	12.000,00
4) Migdesign	Per sample	Rp	250.000,00
b) Mextan			
1) Sondir max 20 meter	Per titik	Rp	250.000,00
2) Borring max 5 meter	Per titik	Rp	450.000,00
3) Sand Cone	Per titik	Rp	50.000,00
4) Pematatan (Standar Proctor)	Per sample	Rp	250.000,00
c) Pemeriksaan Bahan Bangunan			
1) Analisa Saringan	Per sample	Rp	150.000,00
2) Abrassion Test	Per sample	Rp	100.000,00

4. JASA PELAYANAN UMUM

a. Pelayanan Kamar Rumah Sakit

1) Kamar Klas I	Per orang / hari	Rp	70.000,00
2) Kamar Klas II	Per orang / hari	Rp	55.000,00
3) Kamar Klas III	Per orang / hari	Rp	35.000,00
4) Pemeriksaan dokter	Per orang/periksa	Rp	7.000,00

b. Pelayanan air minum

1) Pemakaian 0 - 10 m³

a) Pegawai di rumah dinas/eks rumah dinas	Per m ³	Rp	350,00
b) Pegawai di luar rumah dinas	Per m ³	Rp	300,00
c) Kepentingan Umum	Per m ³	Rp	600,00
d) Sosial/Rm Tangga umum	Per m ³	Rp	600,00
e) Swasta Kecil	Per m ³	Rp	1.450,00
f) Swasta Besar	Per m ³	Rp	2.650,00
g) Pabrik	Per m ³	Rp	3.000,00

2) Pemakaian 11 - 20 m³

a) Pegawai di rumah dinas/eks rumah dinas	Per m ³	Rp	350,00
b) Pegawai di luar rumah dinas	Per m ³	Rp	300,00
c) Kepentingan Umum	Per m ³	Rp	600,00
d) Sosial / rumah tangga umum	Per m ³	Rp	650,00
e) Swasta Kecil	Per m ³	Rp	1.550,00
f) Swasta Besar	Per m ³	Rp	2.750,00
g) Pabrik	Per m ³	Rp	3.000,00

3) Pemakaian 21 - 30 m³

a) Pegawai di rumah dinas/eks rumah dinas	Per m ³	Rp	650,00
b) Pegawai di luar rumah dinas	Per m ³	Rp	600,00
c) Kepentingan Umum	Per m ³	Rp	600,00
d) Sosial / rumah tangga umum	Per m ³	Rp	750,00
e) Swasta Kecil	Per m ³	Rp	1.950,00
f) Swasta Besar	Per m ³	Rp	3.500,00
g) Pabrik	Per m ³	Rp	4.200,00

4) Pemakaian > 30 m³

a) Pegawai di rumah dinas/eks rumah dinas	Per m ³	Rp	700,00
b) Pegawai di luar rumah dinas	Per m ³	Rp	600,00
c) Kepentingan Umum	Per m ³	Rp	600,00
d) Sosial / rumah tangga umum	Per m ³	Rp	950,00
e) Swasta Kecil	Per m ³	Rp	2.500,00
f) Swasta Besar	Per m ³	Rp	5.000,00

g) Pabrik	Per m ³	Rp	5.500,00
c. Palayanan Listrik			
1) Pegawai di rumah dinas/eks rumah dinas	Per Kwh	Rp	120,00
2) Perus. Perminyakan			
a) Perumahan	Per Kwh	Rp	360,00
b) Perkantoran/Pabrik/Instalasi	Per Kwh	Rp	360,00
d. Pemakaian Gedung Pertemuan			
1) Pegawai	Per hari	Rp	90.000,00
2) Pensiunan	Per hari	Rp	180.000,00
3) Umum	Per hari	Rp	600.000,00
4) Pengusaha	Per hari	Rp	900.000,00
e. Pemakaian Gedung Olah Raga			
1) Bulu Tangkis			
a) Instansi Pemerintah	Per bulan	Rp	50.000,00
b) BUMN	Per bulan	Rp	60.000,00
c) Club/Swasta	Per bulan	Rp	70.000,00
2) Volley/Basket			
a) Instansi Pemerintah	Per bulan	Rp	60.000,00
b) BUMN	Per bulan	Rp	70.000,00
c) Club/Swasta	Per bulan	Rp	80.000,00
f. Pemakaian Alat Berat			
1) Buldozer	Per hari	Rp	200.000,00
2) Grader	Per hari	Rp	135.000,00
3) Road Roller	Per hari	Rp	60.000,00
4) Crane	Per hari	Rp	120.000,00
5) Kent Word	Per hari	Rp	85.000,00
6) Hyster	Per hari	Rp	75.000,00
7) Forklift	Per hari	Rp	40.000,00
g. Tamu Mess/Wisma			

1) Wisma Nglajo II,III,IV		Rp	25.000,00
a) Pegawai	Per hari / kamar	Rp	75.000,00
b) Pertamina	Per hari / kamar	Rp	90.000,00
c) Umum	Per hari / kamar		
2) Wisma Nglajo I Standard		Rp	35.000,00
a) Pegawai	Per hari / kamar	Rp	85.000,00
b) Pertamina	Per hari / kamar	Rp	110.000,00
c) Umum	Per hari / kamar		
3) Wisma Nglajo I VIP		Rp	90.000,00
a) Pegawai	Per hari / kamar	Rp	180.000,00
b) Pertamina	Per hari / kamar	Rp	240.000,00
c) Umum	Per hari / kamar		
4) Wisma Sarangan		Rp	25.000,00
a) Pegawai	Per hari / kamar	Rp	50.000,00
b) Pertamina	Per hari / kamar	Rp	75.000,00
c) Umum	Per hari / kamar		
5) Widya Patra I, II		Rp	25.000,00
a) Pegawai	Per hari / kamar	Rp	75.000,00
b) Pertamina	Per hari / kamar	Rp	90.000,00
c) Umum	Per hari / kamar		
6) Widya Patra III		Rp	25.000,00
a) Pegawai	Per hari / kamar	Rp	75.000,00
b) Pertamina	Per hari / kamar	Rp	90.000,00
c) Umum	Per hari / kamar		

7) Asrama Vyatra I,II,III,IV,VI		Rp	15.000,00
a) Pegawai	Per hari / kamar	Rp	35.000,00
b) Pertamina	Per hari / kamar	Rp	60.000,00
c) Umum	Per hari / kamar		
8) Asrama Vyatra V		Rp	20.000,00
a) Pegawai	Per hari / kamar	Rp	50.000,00
b) Pertamina	Per hari / kamar	Rp	85.000,00
c) Umum	Per hari / kamar		
h. Penginapan di Mess untuk ujian sertifikasi	Per orang/ paket	Rp	250.000,00
i. Shooting Video	Per hari	Rp	90.000,00
j. Bengkel			
1) Balancing	Per roda	Rp	5.000,00
2) Spoorring	Per kendaraan	Rp	20.000,00

C. PUSDIKLAT TEKNOLOGI MINERAL DAN BATUBARA

1. Jasa Pendidikan dan Latihan

a. Jasa Penyelenggaraan Pendidikan dan Pelatihan Bidang Teknologi Mineral dan Batubara di Kampus

1) Tingkat Manajerial	Per orang / hari	Rp	450.000,00
2) Tingkat Teknisi	Per orang / hari	Rp	400.000,00

b. Jasa Penyelenggaraan Pendidikan dan Pelatihan Bidang Teknologi Mineral dan Batubara di luar Kampus

1) Tingkat Manajerial	Per orang / hari	Rp	350.000,00
2) Tingkat Teknisi	Per orang / hari	Rp	300.000,00
	Per orang / hari	Rp	290.000,00

c. Jasa Pelayanan Konsultasi/Bimbingan bidang diklat Teknologi Mineral dan Batubara

d. Jasa Perbantuan Tenaga Ahli Bidang Teknologi Mineral dan Batubara	Per orang / hari	Rp	290.000,00
e. Jasa Perancangan Sistem Komputerisasi Bidang Teknologi Mineral dan Batubara,	Per orang / hari	Rp	290.000,00
f. Jasa Informasi dan Publikasi Bidang Teknologi Mineral dan Batubara	Per orang / hari	Rp	290.000,00

2. JASA PELAYANAN UMUM

a. Pemakaian Wisma

1) Kamar Standard

a) Pegawai Intern DESDM

Per orang / hari Rp 20.000,00

b) Umum

Per orang / hari Rp 30.000,00

2) Kamar VIP

a) Pegawai Intern DESDM

Per orang / hari Rp 40.000,00

b) Umum

Per orang / hari Rp 60.000,00

b. Pemakaian Gedung Pertemuan

1) Auditorium, Kapasitas 750 orang

a) Kedinasan

Per hari Rp 3.000.000,00

b) Resepsi :

1) Pegawai Intern DESDM

Per hari Rp 2.000.000,00

2) Umum

Per hari Rp 3.000.000,00

2) Cafeteria, Kapasitas 200 orang

a) Kedinasan

Per hari Rp 1.500.000,00

b) Resepsi :

1) Pegawai Intern DESDM

Per hari Rp 1.000.000,00

2) Umum

Per hari Rp 1.500.000,00

D. PUSDIKLAT GEOLOGI

Jasa Pendidikan dan Latihan

a. Jasa Penyelenggaraan Pendidikan dan Pelatihan Bidang Geologi di Kampus

Rp 450.000,00

1) Tingkat Manajerial

Per orang / hari

2) Tingkat Teknisi

Rp 400.000,00

Per orang / hari

b. Jasa Penyelenggaraan Pendidikan dan Pelatihan Bidang Geologi di luar Kampus

		Rp	350.000,00
1) Tingkat Manajerial	Per orang / hari	Rp	300.000,00
2) Tingkat Teknisi	Per orang / hari	Rp	290.000,00
c. Jasa Pelayanan Konsultasi/Bimbingan bidang diklat Geologi	Per orang / hari	Rp	290.000,00
d. Jasa Perbantuan Tenaga Ahli Bidang diklat Geologi	Per orang / hari	Rp	290.000,00
e. Jasa Perancangan Sistem Komputerisasi Bidang diklat Geologi	Per orang / hari	Rp	290.000,00
f. Jasa Informasi dan Publikasi Bidang diklat Geologi	Per orang / hari		

E. PUSDIKLAT ENERGI DAN KETENAGALISTRIKAN

1. Jasa Pendidikan dan Latihan

a. Jasa Penyelenggaraan Pendidikan dan Pelatihan Bidang Energi dan Ketenagalistrikan di kampus

		Rp	450.000,00
1) Tingkat Manajerial	Per orang / hari	Rp	400.000,00
2) Tingkat Teknisi	Per orang / hari		

b. Jasa Penyelenggaraan Pendidikan dan Pelatihan Bidang Energi dan Ketenagalistrikan di luar Kampus

		Rp	350.000,00
1) Tingkat Manajerial	Per orang / hari	Rp	300.000,00
2) Tingkat Teknisi	Per orang / hari		

	Per orang / hari	Rp	290.000,00
c. Jasa Pelayanan Konsultasi/Bimbingan bidang diklat Bidang Energi dan Ketenagalistrikan			
	Per orang / hari	Rp	290.000,00
d. Jasa Perbantuan Tenaga Ahli Bidang Energi dan Ketenagalistrikan			
	Per orang / hari	Rp	290.000,00
e. Jasa Perancangan Sistem Komputerisasi Bidang diklat Energi dan Ketenagalistrikan			
	Per orang / hari	Rp	290.000,00
f. Jasa Informasi dan Publikasi Bidang diklat Energi dan Ketenagalistrikan			
	Per orang / hari	Rp	290.000,00
2. Jasa Pelayanan Umum			
a. Jasa Pemakaian Kelas			
1) Pegawai DESDM	Per kelas/hari	Rp	100.000,00
2) Umum	Per kelas/hari	Rp	150.000,00
b. Pemakaian Gedung Pertemuan/Auditorium			
1) Pegawai DESDM	Per hari	Rp	750.000,00
2) Umum	Per hari	Rp	1.500.000,00
c. Pemakaian Laboratorium			
1) Laboratorium Pembangkit Listrik Tenaga Micro Hidro	Per orang/hari	Rp	100.000,00
2) Laboratorium Konservasi Energi	Per orang/hari	Rp	100.000,00
3) Laboratorium Konversi Energi	Per orang/hari	Rp	100.000,00
4) Laboratorium Teknik Instalasi Ketenagalistrikan	Per orang/hari	Rp	100.000,00
5) Laboratorium Teknik Lingkungan Ketenagalistrikan	Per orang/hari	Rp	100.000,00
6) Laboratorium Energi Baru dan Terbarukan	Per orang/hari	Rp	100.000,00

PRESIDEN REPUBLIK INDONESIA,

ttd

MEGAWATI SOEKARNOPUTRI

Salinan sesuai dengan aslinya,

Deputi Sekretaris Kabinet

Bidang Hukum dan Perundang-undangan

Lambock V. Nahattands