MEDICHEM PROJECTS LIMITED

(Consultants, Suppliers and Contractors)
#1 Ejemudaro Street by cinema site, Okumagba layout Warri – Nigeria
Tel: +23453256019, +2348023081830, 08054987323
E mail: medichem1@yahoo.com

Our ref ---------- Date 18th September, 2020

Your Ref ----------

The Contract Holder
Environmental Studies and Services Contract – NG01022484
Shell Petroleum Development Company of Nigeria Limited
P.O Box 230
Port-Harcourt

Attention; Efe Oghomienor

Dear Sir,

Rate Discount – Environmental Studies and Services Contract NG01022484

Following our meeting with you and NAPIMS reps. on 15th September, 2020 where a discount of 6% discount on all line items was proposed, we write to confirm acceptance of the offer.
We would however wish that you adjust the costs of the logistics which were earlier left out of the discount to reasonable prices while still maintaining the same contract sum in line with the agreed 6% discount.

It is our hope that things will become better in the future, and we expect an upward review when that happens. Thanks for the opportunity.

Yours Faithfully

Chris. Onwudiwe
Managing Director

Onukagha, Kelechi C SPDC-PTC/U/GL

From: Dukoria Int'l Ltd <dukorialtd@gmail.com>
Sent: Tuesday, November 10, 2020 9:56 PM
To: Onukagha, Kelechi C SPDC-PTC/U/GL
Cc: Oghomienor, Efe SPDC-UPC/G/SE; Ogunjimi, Debo B SNEPCO-PTC/U/GL; Okeadinma, Pius N SPDC-PTC/U/GL; Olawuyi, Olayinka S SPDC-PTC/U/GP; Ojikutu, Mukaila O SPDC-UPC/G/S
Subject: Re: TENDER NO. NG01022484 – PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES_ AGREEMENT OFFER LETTER (WITHOUT PREJUDICE)

Sir,

The proposed 6% discounted rates are accepted by us. However, we appeal that if the price of crude oil increases considerably, the rates should revert back to the status quo ante.

Thanks and warm regards.

Dr D. Okoro
CEO

On Tue, Nov 10, 2020 at 7:00 AM <K.Onukagha@shell.com> wrote:

> Dear sir,
>
> Thanks for your response,
>
> However, please be informed that the 6% discount is a mandate from the JV partners in view of the current challenging business environment.
>
> Kindly respond with your acceptance or otherwise to enable us seek management approval to extend your interim Agreement on the discounted rates.
>
> Your response is required on or before 12 noon tomorrow(11/11/2020). Failure to respond will be interpreted as your rejection of the requested discount.
>
> Kind regards
>
> Kelechi

From: Dukoria Int'l Ltd <dukorialtd@gmail.com>
Sent: Tuesday, November 10, 2020 1:56 PM
To: Onukagha, Kelechi C SPDC-PTC/U/GL <K.Onukagha@shell.com>
Cc: Oghomienor, Efe SPDC-UPC/G/SE <E.Oghomienor@shell.com>; Ogunjimi, Debo B SNEPCO-PTC/U/GL <Debo.Ogunjimi@shell.com>; Okeadinma, Pius N SPDC-PTC/U/GL <Pius.Okeadinma@shell.com>; Olawuyi, Olayinka S SPDC-PTC/U/GP <Yinka.Olawuyi@shell.com>
Subject: Re: TENDER NO. NG01022484 – PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES_ AGREEMENT OFFER LETTER (WITHOUT PREJUDICE)

Hi,

You mail is received with thanks.

However, having taken a look at your proposed rates and in view of the fact that the current rates are really very low, we are constrained to make a counteroffer.

The covid-19 has equally affected our business in terms of logistics and reagents/chemical supplies.

We are proposing a 2% discount to be applied on all rates

Many thanks and warm regards

Dr Okoro

CEO

On Mon, Nov 9, 2020 at 9:47 AM <K.Onukagha@shell.com> wrote:

> Dear Sir,

This is to inform you that further to your acceptance of the negotiated rates for subject Tender, NAPIMS Management has directed that the JV re-negotiate/seek for further discounts on the rates of the commercial tender. This has become necessary due to the current challenging business environment due to the Low oil price and COVID-19 pandemic and with the aim of sustaining our future joint business relationship.

Kindly review the attached proposed revised negotiated rates (6% off current rates) and revert on your willingness or otherwise to provide the required services at the attached rates.

Kindly revert on or before 12 noon Wednesday 11th November 2020.

Kind regards,

Kelechi Onukagha

Contracts Manager

The Shell Petroleum Development Company of Nigeria Limited Eastern Division, P O Box 263 Port Harcourt, Nigeria

Tel: +234 8070224182

Email: k.onukagha@shell.com

Internet: sww.phc.spdc.shell.ng

Onukagha, Kelechi C SPDC-PTC/U/GL

From: Olisa Chukwura <olisa@primesources.net>
Sent: Wednesday, November 11, 2020 11:50 AM
To: Onukagha, Kelechi C SPDC-PTC/U/GL
Cc: francis@primesources.net; Oghomienor, Efe SPDC-UPC/G/SE; Ogunjimi, Debo B SNEPCO-PTC/U/GL; Okeadinma, Pius N SPDC-PTC/U/GL; Olawuyi, Olayinka S SPDC-PTC/U/GP
Subject: Re: TENDER NO. NG01022484 – PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES_ AGREEMENT OFFER LETTER (WITHOUT PREJUDICE)
Attachments: NG01022484_ESS_Proposed applicable rates-2.pdf

Dear Kelechi,

In the spirit of partnership and in response to your request for further 6% discount on the negotiated rates, we affirm our willingness to accept your offer as attached.

Regards,
Olisa Chukwura

Head, Environment Operations
PRIME SOURCES LIMITED
Address: Plot 190, Peter Odili Road, Trans Amadi
Port Harcourt, Rivers State.
Email: olisa@primesources.net
Phone Number: +234(0)7039503726
Website: www.primesources.net

On 2020-11-09 17:46, K.Onukagha@shell.com wrote:

> Dear Sir,
>
> This is to inform you that further to your acceptance of the negotiated rates for subject Tender, NAPIMS Management has directed that the JV re-negotiate/seek for further discounts on the rates of the commercial tender. This has become necessary due to the current challenging business environment due to the Low oil price and COVID-19 pandemic and with the aim of sustaining our future joint business relationship.
>
> Kindly review the attached proposed revised negotiated rates (6% off current rates) and revert on your willingness or otherwise to provide the required services at the attached rates.
> Kindly revert on or before 12 noon Wednesday 11th November 2020.
>
> Kind regards,
> Kelechi Onukagha
> Contracts Manager
> The Shell Petroleum Development Company of Nigeria Limited Eastern Division, P O Box 263 Port Harcourt, Nigeria
>
> Tel: +234 8070224182
> Email: k.onukagha@shell.com
> Internet: sww.phc.spdc.shell.ng
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companies in Nigeria. Thank you. For more information about Shell Nigeria please see our website at <<http://www.shellnigeria.com/>>.

Onukagha, Kelechi C SPDC-PTC/U/GL

From: Giolee Global Resources Limited <info@giolee.com>
Sent: Wednesday, November 11, 2020 2:41 PM
To: Onukagha, Kelechi C SPDC-PTC/U/GL
Cc: Oghomienor, Efe SPDC-UPC/G/SE; Ogunjimi, Debo B SNEPCO-PTC/U/GL; Okeadinma, Pius N SPDC-PTC/U/GL; Olawuyi, Olayinka S SPDC-PTC/U/GP; Ojikutu, Mukaila O SPDC-UPC/G/S; lesi.maol@giolee.com
Subject: Re: TENDER NO. NG01022484 – PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES_ AGREEMENT OFFER LETTER (WITHOUT PREJUDICE)

Dear Kelechi,

After due consideration, the Management of Giolee has decided to accept the 6% discount on the above subject tender.

Regards,

Goodness

On 11-Nov-20 11:47 AM, K.Onukagha@shell.com wrote:

> Dear Sir,
>
> Thanks for your offer below.
>
> However, please be informed that the 6% discount is a mandate from the JV partners in view of the current challenging business environment.
>
> Kindly respond with your acceptance or otherwise to enable us seek management approval to extend your interim Agreement on the discounted rates.
>
> Your response is required on or before 12 noon today(11/11/2020). Failure to respond will be interpreted as your rejection of the requested discount.
>
> Kind regards
> Kelechi
>
> **From:** Giolee Global Resources Limited <info@giolee.com>
> **Sent:** Wednesday, November 11, 2020 10:08 AM
> **To:** Onukagha, Kelechi C SPDC-PTC/U/GL <K.Onukagha@shell.com>
> **Cc:** Oghomienor, Efe SPDC-UPC/G/SE <E.Oghomienor@shell.com>; Ogunjimi, Debo B SNEPCO-PTC/U/GL <Debo.Ogunjimi@shell.com>; Okeadinma, Pius N SPDC-PTC/U/GL <Pius.Okeadinma@shell.com>; Olawuyi, Olayinka S SPDC-PTC/U/GP <Yinka.Olawuyi@shell.com>; Ojikutu, Mukaila O SPDC-UPC/G/S <mukaila.ojikutu@shell.com>; Lesi Maol <lesi.maol@giolee.com>
> **Subject:** Re: TENDER NO. NG01022484 – PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES_ AGREEMENT OFFER LETTER (WITHOUT PREJUDICE)
>
>
>
> Dear Kelechi,
>
> We acknowledge receipt of your mail.

However, our Management has gone through the request and has decided on a 3% discount on the above subject tender which is the best we can do.

This is due to the high dollar rate and also the current challenging business environment.

We hereby crave your understanding as we continue to deliver quality work on various projects.

Regards,

Goodness

On 10-Nov-20 2:59 PM, K.Onukagha@shell.com wrote:

> Dear sir,
>
> Thanks for your response,
>
> However, please be informed that the 6% discount is a mandate from the JV partners in view of the current challenging business environment.
>
> Kindly respond with your acceptance or otherwise to enable us seek management approval to extend your interim Agreement on the discounted rates.
>
> Your response is required on or before 12 noon tomorrow(11/11/2020). Failure to respond will be interpreted as your rejection of the requested discount.
>
> Kind regards
> Kelechi
>
> **From:** Giolee Global Resources Limited <info@giolee.com>
> **Sent:** Tuesday, November 10, 2020 9:54 AM
> **To:** Onukagha, Kelechi C SPDC-PTC/U/GL <K.Onukagha@shell.com>
> **Cc:** Oghomienor, Efe SPDC-UPC/G/SE <E.Oghomienor@shell.com>; Ogunjimi, Debo B SNEPCO-PTC/U/GL <Debo.Ogunjimi@shell.com>; Okeadinma, Pius N SPDC-PTC/U/GL <Pius.Okeadinma@shell.com>; Olawuyi, Olayinka S SPDC-PTC/U/GP <Yinka.Olawuyi@shell.com>
> **Subject:** Re: TENDER NO. NG01022484 – PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES_ AGREEMENT OFFER LETTER (WITHOUT PREJUDICE)
>
> **Think Secure. This email is from an external source.**
>
> Dear Kelechi,
>
> Your mail dated 9/11/2020 is well received and we have reviewed your proposed 6% reduction on the above subject tender.
>
> However, we regret to inform you that we cannot give further discount on this services considering the fact that this has already been done during tendering process.
>
> This is also due to the rising Dollar rate and commodity inflation as most of the items which will be used to execute this project will be sourced from abroad. Hence, any further deduction will not only affect work standard/quality but will not be feasible for the execution of the project.

We hereby crave your understanding as we continue to deliver quality work on various projects.

Regards,

Lesi Maol

On 09-Nov-20 5:49 PM, K.Onukagha@shell.com wrote:

> Dear Sir,
>
> This is to inform you that further to your acceptance of the negotiated rates for subject Tender, NAPIMS Management has directed that the JV re-negotiate/seek for further discounts on the rates of the commercial tender. This has become necessary due to the current challenging business environment due to the Low oil price and COVID-19 pandemic and with the aim of sustaining our future joint business relationship.
>
> Kindly review the attached proposed revised negotiated rates (6% off current rates) and revert on your willingness or otherwise to provide the required services at the attached rates.
> Kindly revert on or before 12 noon Wednesday 11th November 2020.
>
> Kind regards,
> Kelechi Onukagha
> Contracts Manager
> The Shell Petroleum Development Company of Nigeria Limited
> Eastern Division, P O Box 263 Port Harcourt, Nigeria
>
> Tel: +234 8070224182
> Email: k.onukagha@shell.com
> Internet: sww.phc.spdc.shell.ng
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WINORAC

WINORAC ENGINEERING AND TECHNICAL SERVICES LTD.

Plot 34 Boskel Road, KM 16 Port Harcourt/Aba Express Way Port Harcourt, Rivers State, Nigeria
Tel: 084-301930, Mobile: +23408037047441, +23408033361612
E-mail: winorac@winorac.com, winoraceng@hotmail.com, Website: www.winorac.com

The Attention of:
The Contract Manager,
The Shell Petroleum Development Company of Nigeria Limited,
Shell – I.A Port Harcourt.

11th November, 2020

Dear Sir/Madam,

Re: REF: INVITATION TO TENDER REFERENCE NO NG01022484 for PROVISION OF ENVIRONMENTAL SERVICES

Thank you for your offer, we write to accept the attached offer in your email.

Looking forward to a productive outcome.

Sincerely,

C. V Orajaka
M.D

OHENMERGE Company
LIMITED.

Incorporated in Nigeria - RC 677256
OPERATIONS OFFICE: No. 19 Sen. George Sekibo road off Peter Odili road,
Transamadi Industrial Layout Port Harcourt, Rivers State.

SITE OFFICE: Umuelechi Uzuaku City, Ukwa West LGA Before Imo River Gate

- Manufacturer
- Environmental & Waste Mgt.
- Engineering Construction
- Procurement & Logistics Support Services.

E-mail: *info@ohenmergegroup.com, ohenmergecompanyltd@yahoo.com*
Website: *www.ohenmergegroup.com*
Tel: *+234-84361584, /**Fax:** +234-84361585, **Mobile:** +2348032356429.*

10th November, 2020

The Contract Manager
Shell Petroleum Development Company of Nigeria Limited
Shell Industrial Area
Rumiobiakani Port Harcourt
Rivers State

Attention: Kelechi Onukagha

Dear Sir/Madam

ACCEPTANCE OF OFFER RATE NG01022484 – PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES

Sequel to the negotiation rates of (6% off current rates) sent to us on the 9th Nov, 2020 on the subject matter stated above, we do accept the offer rate provided by you.

Thanks for your usual cooperation.

Yours faithfully,

For: OHENMERGE COMPANY LIMITED

PRINCE HENRY OKWARA

MANAGING DIRECTOR

TENDER REFERENCE NO: NG01022484
SERVICE: PROVISION OF ENVIRONMENTAL STUDIES AND SERVICES

Item	Description of Activity	Proposed applicable Unit Rate (NGN)
	SECTION A: Provision of Personnel/Accommodation	
	Personnel – field/other services	
A1	Team Leader	14,889.60
A2	Principal Consultant	12,408.00
A3	Senior Consultant	9,926.40
A4	Consultant	7,444.80
A5	Supervisor	5,790.40
A6	Field Assistant	4,136.00
A7	Administrative Staff	4,963.20
	Personnel accommodation/feeding – work outside base	
A8 (i)	Team Leader	9,926.40
A8 (ii)	Principal Consultant	9,926.40
A8 (iii)	Senior Consultant	9,926.40
A8 (iv)	Consultant	9,926.40
A8 (v)	Supervisor	9,400.00
	Sampling Equipments	
A9i	River bed grab sampler with clean cable of suitable length >500m (2 nos) 15m and 30m length	47,000.00
A9ii	Carousel (Must be capable of independent deployement and retrieval to and fro riverbed from the vessel deck)	47,000.00
A10i	Sea grab sampler with clean cable of suitable length >2500m (2 nos)	47,000.00
A10ii	Carousel (Housing Automatic fire Module (AFM): Seacat water profiler (SWP) and sampling bottles (The grab Samplers and the Carousel Must be capable of independent deployement and retrieval (to and fro Sea floor) from the vessel deck.)	47,000.00
Item	**SECTION B:Logistics/Habitat Trucking**	**Proposed applicable Unit Rate (NGN)**
	Logistics for FieldWork	
	Land Transport	
B1	Saloon Car (Petrol)	9,400.00
B2	Hilux (Diesel)	12,408.00
B3	14 seater Bus (Diesel)	20,680.00
B4	Coaster Bus (Diesel)	14,100.00
	Water Transport – Diesel Engine	-
B5	Personnel Carrier (Diesel)	24,816.00
B6	Landing Craft (Diesel)	24,816.00
	TRUCKING OF HABITAT/NATURAL WATER FOR STUDY	

B7 i	Habitat water for Biological Monitoring Study(Incluses cost of logistics for delivery)	101.08
B7ii	Natural Seawater for Biological Monitoring Study (Excludes marine logistics cost)	10.11
Item	**SECTION C :Sample Analysis Using Standard Equipment**	**Proposed applicable Unit Rate (NGN)**
	Physico-Chemical Parameters - Aqueous Effluent	
C1	pH	330.88
	Temperature (oC)	330.88
	Salinity as chloride (mg/L)	330.88
	Turbidity (NTU)	330.88
	Total Dissolved Solids (mg/L)	496.32
	Total Suspended Solids (mg/L)	579.04
	Chemical Oxygen Demand (mg/L)	579.04
	Biochemical Oxygen Demand (mg/L)	579.04
	Lead (mg/L)	827.20
	Total Iron (mg/L)	827.20
	Copper (mg/L)	827.20
	Chromium (mg/L)	827.20
	Zinc (mg/L)	827.20
	Nickel	827.20
	Total Hydrocarbon Content (mg/L)	1,654.40
	Cadmium (mg/L)	827.20
	Oil and Grease (mg/L)	1,654.40
	Dissolved Oxygen	330.88
	TPH	4,136.00
	Physico-Chemical Parameters - Produced Water	-
C2	Oil and Grease (mg/L)	1,654.40
	Temperature	330.88
	pH	330.88
	Total Suspended Solid	413.60
	Chemical Oxygen Demand	827.20
	Biological Oxygen Demand	579.04
	Lead (mg/L)	827.20
	Total Iron (mg/L)	827.20
	Copper (mg/L)	827.20
	Chromium (mg/L)	827.20
	Zinc (mg/L)	827.20
	Cadmium (mg/L)	827.20
	Turbidity (NTU)	330.88
	Total Dissolved Solids (mg/L)	413.60
	Total Hydrocarbon Content (mg/L)	1,654.40
	Dissolved Oxygen	330.88
	TPH	4,136.00
	Phenols	2,068.00
	Sulphides	330.88
	Chloride	330.88
	Physico-Chemical Parameters - Sanitary Waste water/Sewage Effluent	-
	Oil and Grease (mg/L)	1,534.69
	pH	306.94
	Total Suspended Solid	383.67
	Chemical Oxygen Demand	767.35

C3	Biological Oxygen Demand	537.14
	Dissolved Oxygen	306.94
	Residual Chlorine	383.67
	Fecal Coliform Colonies/100ml	767.35
	Total Nitrogen	268.57
	Total Phsphorous	383.67
	Physico-Chemical Parameters - Storm Water	-
C4	Salinity as chloride (mg/L)	170.91
	Turbidity (NTU)	170.91
	Lead (mg/L)	427.27
	Total Iron (mg/L)	427.27
	Dissolved Oxygen	170.91
	Oil and Grease (mg/L)	854.55
	Total Petroleum Hydrocarbon	2,136.36
	pH	170.91
	Electrical Conductivity (mScm-1)	170.91
	Physico-Chemical Parameters -Rainwater	-
C5	Lead (mg/L)	629.46
	Total Iron (mg/L)	629.46
	Copper (mg/L)	629.46
	Cadmium (mg/L)	629.46
	Total Hydrocarbon Content (mg/L)	1,258.93
	pH	251.79
	Electrical Conductivity (mScm-1)	251.79
	Sulphate (SO42-)	251.79
	Nitrate (NO3-)	251.79
	Nitrite (NO2-)	251.79
	Hydrogen Carbonate,mg/L	314.73
	Hydrogen Sulphide	314.73
	Sulphite (SO3-)	251.79
	Arsenic	629.46
	Mecury	629.46
	Nickel	629.46
	Lead	629.46
	Cadmium	629.46
	Chromium	629.46
	Vanadium	629.46
	Total Petroleum Hydrocarbon	3,147.32
	Precipitation	314.73
	VOCs	314.73
	Physico-Chemical Parameters - Surface Water	-
	Oil and Grease (mg/L)	1,285.03
	Temperature	257.01
	pH	257.01
	Chemical Oxygen Demand	642.52
	Biological Oxygen Demand	449.76
	Lead (mg/L)	642.52
	Total Iron (mg/L)	642.52
	Copper (mg/L)	642.52
	Chromium (mg/L)	642.52
	Zinc (mg/L)	642.52
	Cadmium (mg/L)	642.52
	Turbidity (NTU)	257.01
	Total Dissolved Solids (mg/L)	321.26

C6	Total Hydrocarbon Content (mg/L)	1,285.03
	Dissolved Oxygen	257.01
	TPH	3,212.58
	Phenols	1,606.29
	Salinity as chloride (mg/L)	257.01
	Sulphate (SO42-)	257.01
	Arsenic	642.52
	Mecury	642.52
	Nickel	642.52
	Vanadium	642.52
	Sodium	642.52
	Calcium	642.52
	Potassium	642.52
	Magnesium	642.52
	Chloride	257.01
	Nitrate (NO3-)	257.01
	Silicate	257.01
	Manganese	642.52
	Barium	642.52
	Cobalt	642.52
	Silver	963.77
	Hydrogen Sulphide	321.26
	Radioactive Substances	2,248.80
	Total Coliform Count/E.coli	642.52
	Total Organic Carbon	963.77
	Ammonium	321.26
	Total Nitrogen	224.88
	Total Phosphorus	321.26
	Hydrogen Carbonate	321.26
	Polycyclic Aromatic Hydrocarbon (PAH)	3,212.58
	BTEX	3,212.58
	THB	1,927.55
	THF	1,927.55
	TF	1,927.55
	HUB	1,927.55
	HUF	1,927.55
	Cyanide: [Weak Acid Dissociable (WAD) & Strong Acid Dissociable (SAD)]	642.52
	Fecal Coliform Colonies/100ml	224.88
	Orthophosphate	224.88
	Total Alkalinity	321.26
	Carbonate	321.26
	Total hardness	257.01
	Total Suspended Solid	321.26
	Conductivity	257.01
	Physico-Chemical Parameters - GroundWater	-
	pH Range	197.52
	Total Petroleum Hydrocarbon	2,469.04
	PAH	2,469.04
	THC	987.62
	Lead	493.81
	Nickel	493.81
	Vanadium	493.81
	Ammonium	246.90

C7	Chloride (mg/L)	197.52
	E.coli (cfu/100ml)	493.81
	Fecal Coliform	493.81
	HUB	1,481.43
	HUF	1,481.43
	Nitrite (mg/L)	197.52
	Residual Chlorine (mg/L)	246.90
	Temperature	197.52
	TF	1,481.43
	Total Hardness (mg/L)	197.52
	Chromium	493.81
	Cadmium	493.81
	Electrical Conductivity	197.52
	Turbidity	197.52
	Total Dissolved Solids	246.90
	Total Suspended Solid	246.90
	Hydrogen Carbonate	246.90
	Salinity as Chloride	197.52
	Total and Fecal Coliform	493.81
	THB	987.62
	THF	987.62
	Zinc	493.81
	Copper	493.81
	Iron	493.81
	Manganese	493.81
	Arsenic	493.81
	Barium	493.81
	Calcium	493.81
	Sodium	493.81
	Magnesium	493.81
	Cobalt	493.81
	Silver	740.71
	Potassium	493.81
	Mercury	493.81
	Sulphate	197.52
	Nitrate	197.52
	Phosphate	148.14
	Physico-Chemical Parameters - NORM	-
C8	Volume/weight (liters/kg/tons), Gamma -Ray, Background Radiation; Average of Lowest and Highest, Treatment and disposal of NORM waste, Radiological risk assessment	15,716.80
	Physico-Chemical Parameters - Ballast Water	-
C9	Total Suspended Solid	267.05
	Temperature	213.64
	pH	213.64
	Lead (mg/L)	534.09
	Total Hydrocarbon Content (mg/L)	1,068.18
	E.coli (cfu/100ml)	534.09
	Total Organisms Concentration	1,602.27
	Total Dissolved Solids (mg/L)	267.05
	Physico-Chemical Parameters - Organics	-

C10	Monocyclic Aromatic Hydrocarbon (MAH), 2,4,5 – TP Silvex (Tree Killer), Halogenated Aliphatics (Fluorine Vinyl Chloride, 1,1-Dichloroethene, Trichloroethene (Trichloroethylene), Perchloroethylene (PCE), 1,2-Dichloroethane, Dichloromethane (Methylene Chloride, Tetrachloroethane (Carbon tetrachloride), Dibromochloromethane), Chlorinated Aromatics - Chlorobenzene, 1,2-Dichlorobenzene, 2,4-Dichlorobenzene, 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene,1,3,5-Trichlorobenzene, 1,2,3,4-Tetrachlorobenzene, 1,2,3,5- Tetrachlorobenzene, Pentachlorobenzene, Hexachlorobenzene, 2,4-Dichlorophenol, 2,4,6-Trichlorophenol, 2,3,4,6-Tetrachlorophenol, Pentachlorophenol, Dioxins & Furans, PCBs),	9,926.40
	Physico-Chemical Parameters - Other Organics	-
C11	(Aniline, Bis(2-ethyl-hexyl)phthalate, Dibutyl phthalate, Dichlorobenzidine, Diethanolamine, Diethylene glycol, Diisopropanolamine, Ethylene glycol, Hexachlorobutadiene,Methymethacrylate, Monoethanolamine, Monylphenol + ethoxylates), 1-chloro-m-cresol, Anionic detergents, Mineral oil with high sulphur content, Appearance, Phenols (methyl phenol; 4,2,4 – dimethyl phenol, Sulfolane, Triethylene, glycol)	6,121.28
	Heavy metals - Others	-
C12	Antimony	827.20
	Barium (Ba)	827.20
	Beryllium	827.20
	Tin	827.20
	Chromium (Cr+6)	827.20
	Cadmium (Cd)	827.20
	Cobalt (Co)	827.20
	Selenium (Se)	1,240.80
	Thallium	1,240.80
	Molybedenum	1,240.80
	Silver (Ag)	1,240.80
	Soil/Sediment/Core Samples	-
	pH	314.52
	Electrical Conductivity	251.61
	Moisture Content	314.52
	Cation Exchange Capacity	629.03
	Organic Matter (organic carbon)	943.55
	Phosphate,	251.61
	Calcium,	629.03
	Sodium	629.03
	Sulphate	251.61
	Nitrate	251.61
	Ammonium	314.52
	Nitrite	314.52
	Potassium	629.03
	Vanadium	629.03
	Nickel	629.03
	Lead	629.03

C13	Chromium	629.03
	Zinc	629.03
	Cadmium	629.03
	Iron	629.03
	Manganese	629.03
	BOD	440.32
	COD	440.32
	Chloride	251.61
	Dissolved Oxygen	251.61
	Hydrogen Carbonate	314.52
	Sulphate Reducing Bacteria	1,887.10
	TDS	314.52
	Temperature	251.61
	Total Coliform	629.03
	TSS	314.52
	Turbidity	251.61
	Total Hydrocarbon Content	1,258.07
	Oil & Grease	1,572.58
	Exchangeable acidity	314.52
	Leachate testing	6,290.34
	Bacterial and fungal counts	629.03
	Particle and Grain size analysis	1,887.10
	Bulk Density	377.42
	Porosity	440.32
	Available Water Holding Capacity (AWHC)	440.32
	Permeability	188.71
	Hydrogen Sulphide (H2S)	314.52
	Salinity as Chloride (Cl-)	251.61
	Carbonate (CO3)	314.52
	Arsenic	629.03
	Barium	629.03
	Magnesium	629.03
	Cobalt	629.03
	Silver	943.55
	Mercury	629.03
	Exchangeable Bases	314.52
	Oil and Grease Mineral	1,258.07
	Total Petroleum Hydrocarbon	3,145.17
	Total Heterotrophic Bacteria	1,887.10
	Total Fungi	629.03
	Hydrocarbon Utilizing Bacteria	1,887.10
	Hydrocarbon Utilizing Fungi	1,887.10
	BTEX	3,145.17
	PAHs	3,145.17
	Cyanide SAD (Strong Acid Dissolvable)	629.03
	Cyanide WAD (Weak Acid Dissolvable)	629.03
	Organic carbon	943.55
	Total-N	220.16
	B	629.03
	Mo	629.03
	Cu	629.03
	Background radiation levels/radiation levels in circulating fluid/mud (radiactive substances, Sediment Finger printing (finger printing of weathered oil)	2,201.62

	Vegetation Studies/Analysis	-
C14	Plant pathology	2,481.60
	Phytochemistry	2,481.60
	Tissue Chemical Analysis	2,481.60
	Fauna Analysis/Aquatic Studies	-
C15	Distribution/abundance/species composition of phyto- and Zooplankton/aquatic macrophytes	10,340.00
	Benthic organism populations (taxonomic level, spatial distribution and density)	10,340.00
	Geophysical and Hydrogeological parameters:	-
C16	Vertical Electrical Sounding(VES)	25,442.91
	Stratigraphy/Lithology of Well (logging)	474.93
	Electrical Profiling	474.93
	Gamma ray log	2,035.43
	Ground Penetrating Radar (GPR):Underground utility probe	814.17
	pH	271.39
	EC	271.39
	TDS	339.24
	Cl^-	271.39
	Na	678.48
	K	678.48
	Ca	678.48
	Mg	678.48
	Total Alkalinity	339.24
	bicarbonate	339.24
	carbonate	339.24
	Total hardness	271.39
	THC	1,356.96
	Oil and Grease	1,356.96
	Mineral	678.48
	TPH	3,392.39
	TOC	1,017.72
	Cyanide SAD	678.48
	Cyanide WAD	678.48
	Fe	678.48
	Cd	678.48
	Cr	678.48
	Pb	678.48
	Cu	678.48
	Ni	678.48
	V	678.48
	Mn	678.48
	Ti	678.48
	Hg	678.48
	Ba	678.48
	Co	678.48
	Borehole Drilling/Development	-
C17	Between < 10 metres; 10 - 20 metres; 21 - 30 metres; 31 - 40 metres; Above 40 metres	46,530.00
	Flushing	-
C18	Both for new and existing	14,100.00

Item	**SECTION D: Special Studies/Modelling**	**Proposed applicable Unit Rate (NGN)**
	Special Studies:	
D1	Bathymetric survey	12,408.00
D2	Sea bed survey	12,408.00
D3	Air Quality Modelling	12,408.00
D4	Groundwater Modelling	12,408.00
D5	Produced Water Discharge Modelling	12,408.00
D6	Oil Spill Modelling	12,408.00
D7	NORM Monitoring	12,408.00
	Air Quality/Noise/Gaseous Emissions Sampling	-
	Sulphur Dioxide	579.04
	Nitrogen Dioxide	579.04
	Suspended Particulate Matter	579.04
	Hydrogen Sulphide	579.04
	Carbon Monoxide	579.04
	Volatile Organic Compound	579.04
	Ozone	579.04
	Noise	579.04
	Smoke Density	992.64
	Cadmium	579.04
	Lead	579.04
	Chromium	579.04
	Heat Radiation	579.04
	CO2	579.04
	NH3	413.60
	THC	992.64
	Arsenic	579.04
	Zinc	579.04
	N2O	413.60
	Nickel	579.04
	Vanadium	579.04
	CH4	579.04
	BTEX	4,136.00
	Fe	579.04
	Cd	579.04
	Cr	579.04
	Pb	579.04
	Cu	579.04
	Mn	579.04
	Hg	579.04
	Ba	579.04
	Co	579.04
	Meteorology	-
D9	Air Temperature	398.31
	Wind Velocity (m/s)	557.63
	Pressure (Amb) (hpa)	557.63
	Precipitation (mm)	398.31
	Wind Turbulence (m/s)	557.63
	Sun Radiation	955.93
	Wind Direction	637.29
	Relative Humidity (%)	637.29
	Air Quality/Meteorology/Noise/Gaseous Emissions Sampling - Others	-

D10	Soot (black soot)	496.32
	Dust	496.32
	Acetic Acid	661.76
	Acetone	413.60
	Aniline	661.76
	Benzene	661.76
	Dichloromethane	661.76
	Dimethylether	661.76
	Diethylamine	661.76
	Dimethyl Disulphide	661.76
	Carbon Tetrachloride	579.04
	Rainfall pattern/distribution (obtain additional information from meteorological offices, etcetera)	992.64
	Solidification (For Hazardous Waste)	-
D11	Hardness (compressive strength)	495.22
	Leachate testing Toxicity Characteristic Leaching Procedure – (TCPL)	6,190.24
	Oil and Grease	1,650.73
	Chlorides	330.15
	Arsenic	825.37
	Barium	825.37
	Cadmium	825.37
	Chromium (total)	825.37
	Lead	825.37
	Mercury	825.37
	Selenium	1,238.05
	Silver	1,238.05
	Zinc	825.37
	Wildlife Studies & Fisheries	-
D12	Presence, Abundance and Distribution	42,300.00
	Endangered/Threatened/Endemic species	-
	Type - species abundance	-
	Spawning grounds	-
	Migration pattern and route	-
	Breeding habits	-
	Fish catch	-
	Fishing methods/gear	-
	Bioaccumulation	-
	Tainting	-
	Waste Management	-
D13	Identification/ Categorisation/ Classification/ Description of waste from Projects/ communities	8,272.00
	Social Parameters	
D14	Participatory Rural Appraisal (PRA), Participatory Planning Process (PPP), and Participatory Learning and Action (PLA) per Community	23,500.00
	Demographic study	
	Social economic conditions of communities (house hold size, income,Land holding, etc.; Social Economic conditions of a community (economic resources, etc.),	
	Social political structure organization and institution mechanism study	
	Natural resource Management study	
	Social value/ cultural properties	

	Social structure / trends	
	Cultural properties	
	Community perception	
	Inventory and evaluation of existing infrastructure	
	Health Parameters	
D15	Community/ Public health survey	2,374,651.38
	Disease trend/ statistic survey	
	Nutritional Status	
	Social conditions with health implications	
	Health system analysis studies	
	Macro economic Indicators Study	
	Stool analysis (when necessary)	
	Urinalysis (when necessary)	
	Blood Pressure	
	Spirometric Test	
	Identification of local herb used as alternative medicine	
	Ionising and Non–Ionising Radiation e.g. EMF, NORM, UV, etc. (when Necessary),	
	Thermal Stress (Cold and Heat stress)	
	SECTION E :Biological Monitoring Studies	**Proposed applicable Unit Rate (NGN)**
	PROCUREMENT & DELIVERY OF CULTURED TEST ORGANISMS TO THE LABORATORY (Purchase and/or isolation of healthy and Juvenile forms of Biological Organisms for the Biological Monitoring Tests [Minimum Number =10000 spp per trophic Level; Including acclimatization in the Lab)	
E1	Juvenile forms of Fish : Grey Mullet (Mugli cephalus or Liza spp)	94.00
	Juvenile forms of Fish: Tilapia guinensis	29.38
	Juvenile form of Copepod- Acartia clause	41.13
	Larval (juvenile) form of Oyster- Crassostrea gasar	117.50
		-
E2	Algae-Skeletonema costatum or Phaeodactylum tricornotum(Pure culture isolated from Habitat Water in sufficient quantity for all test stages)	155,100.00
	Toxicity Testing (using Treated & Untreated Produced Water) -1Filtered Produced Water, 1 UnFiltered Produced Water, 1 Waste Water from Slop discharge tank and 1 Reference Chemical	-
E3	Acute Toxicity Test - acute toxicity test using Microtox® Model 500 for one trophic level: Bacteria (vibrio fischeri). The toxic unit EC50 of the effluent and waste water shall be determined. Acute Toxicity Test - 0,12,24,48,72 & 96hrs acute toxicity test using the Whole Effluent (WET) procedure for four trophic levels: Marine algae, Crustacea, Mollusc and Fish. The toxic units (Tu) LC50, EC50 NOEC and LOEC of the effluent shall be determined. Please note the following: Marine Algae inhibittest	329,000.00

E4	**Physicochemical Analysis for Acute Toxicity (Fish and Crustaceans)**	-
	pH	330.74
	Temperature	330.74
	Electrical Conductivity	330.74
	TDS	413.43
	Salinity	330.74
	DO	330.74
	Alkalinity	413.43
	COD	826.85
	BOD	578.80
	Phenols	2,067.13
	Calcium	4,134.26
	BTEX	4,134.26
	MAH	2,480.56
	THC	1,653.70
	Mn	826.85
	Mg2+	826.85
	PAH	4,134.26
	Oil and Grease	1,653.70
	Zinc	826.85
	Nickel	826.85
	Vanadium	826.85
	Fe	826.85
	Cd	826.85
	Cr	826.85
	Pb	826.85
	Cu	826.85
	Hg	826.85
	Ba	826.85
	Co	826.85
	As	826.85
	Associated Physicochemistry Analysis: Acute toxicity (Molluscs) Mud Flats (Sediments)	-
E5	pH	236.48
	Temperature	236.48
	Electrical Conductivity	236.48
	TDS	295.60
	Salinity	236.48
	DO	236.48
	Alkalinity	295.60
	COD	591.19
	BOD	413.84
	Phenols	1,477.99
	TPH C8-C80	2,955.97
	BTEX	2,955.97
	MAH	2,364.78
	THC	1,182.39
	Mn	591.19
	Mg2+	591.19
	PAH	2,955.97
	Oil and Grease	1,182.39
	Zinc	591.19

	Nickel	591.19
	Vanadium	591.19
	Fe	591.19
	Cd	591.19
	Cr	591.19
	Pb	591.19
	Cu	591.19
	Hg	591.19
	Ba	591.19
	Co	591.19
	As	591.19
	Cyanide	591.19
	Total Organic Carbon	886.79
	Calcium	591.19
	Bioconcenteration	-
	Bioconcentration (Fish [2 Spp] and crustacean)	-
E6	pH	330.88
	Temperature	330.88
	Electrical Conductivity	330.88
	TDS	413.60
	Salinity	330.88
	DO	330.88
	Alkalinity	413.60
	COD	827.20
	BOD	579.04
	Phenols	2,068.00
	TPH	4,136.00
	BTEX	4,136.00
	PAH	4,136.00
	Oil and Grease	1,654.40
	Zinc	827.20
	Nickel	827.20
	Vanadium	827.20
	Fe	827.20
	Cd	827.20
	Cr	827.20
	Pb	827.20
	Cu	827.20
	Hg	827.20
	Ba	827.20
	Co	827.20
	As	827.20
	Bioconcentration (Molluscs)	-
	TPH C8-C80	3,245.11
	BTEX	3,245.11
	MAH	1,947.07
	THC	1,298.04
	Mn	649.02
	Mg2+	649.02
	PAH	3,245.11
	Oil and Grease	1,298.04
	Zinc	649.02
	Nickel	649.02
	Vanadium	649.02

E7	Fe	649.02
	Cd	649.02
	Cr	649.02
	Pb	649.02
	Cu	649.02
	Hg	649.02
	Ba	649.02
	Co	649.02
	As	649.02
	Cyanide	649.02
	Total Organic Carbon	973.53
	Calcium	649.02
	pH	259.61
	Electrical Conductivity	259.61
	Phosphate	227.16
	Nitrate	259.61
	Na	649.02
	K	649.02
	Sulphate	259.61
	Biomarker Determination Fish Tissue analysis (Heavy metals and organics)	-
E8	TPH C8-C80	3,560.61
	Oil and Grease	1,424.24
	Iron	712.12
	PAH	3,560.61
	Barium (Ba)	712.12
	Beryllium	712.12
	Tin	712.12
	Chromium (Cr+6)	712.12
	Cadmium (Cd)	712.12
	Cobalt (Co)	712.12
	Selenium (Se)	712.12
	Thallium	712.12
	Molybedenum	712.12
	Antimony	712.12
	Barium (Ba)	712.12
	Beryllium	712.12
	Nickel	712.12
	Vanadium	712.12
	Copper	712.12
	Manganese	712.12
	Arsenic	712.12
	Boron	712.12
	Aluminium	712.12
	Titanium	712.12
	Crustaceans Tissue analysis (Heavy metals and organics)	-
	TPH C8-C80	3,560.61
	Oil and Grease	1,424.24
	Iron	712.12
	PAH	3,560.61
	Barium (Ba)	712.12
	Beryllium	712.12
	Tin	712.12

E10	Chromium (Cr+6)	712.12
	Cadmium (Cd)	712.12
	Cobalt (Co)	712.12
	Selenium (Se)	712.12
	Thallium	712.12
	Molybedenum	712.12
	Antimony	712.12
	Barium (Ba)	712.12
	Beryllium	712.12
	Nickel	712.12
	Vanadium	712.12
	Copper	712.12
	Manganese	712.12
	Arsenic	712.12
	Boron	712.12
	Aluminium	712.12
	Titanium	712.12
	Molluscs Tissue analysis (Heavy metals and organics)	-
E12	TPH C8-C80	3,703.03
	Oil and Grease	1,481.21
	Iron	740.61
	PAH	3,703.03
	Barium (Ba)	740.61
	Beryllium	740.61
	Tin	740.61
	Chromium (Cr+6)	740.61
	Cadmium (Cd)	740.61
	Cobalt (Co)	740.61
	Selenium (Se)	740.61
	Thallium	740.61
	Molybedenum	740.61
	Antimony	740.61
	Barium (Ba)	740.61
	Beryllium	740.61
	Nickel	740.61
	Vanadium	740.61
	Copper	740.61
	Manganese	740.61
	Arsenic	740.61
	Boron	740.61
	Aluminium	740.61
	Titanium	740.61
	Algal and Microbial analysis (Heavy metals and organics)	-
	TPH C8-C80	3,275.76
	Oil and Grease	1,310.30
	Iron	655.15
	PAH	3,275.76
	Barium (Ba)	655.15
	Beryllium	655.15
	Tin	655.15
	Chromium (Cr+6)	655.15
	Cadmium (Cd)	655.15

E14	Cobalt (Co)	655.15
	Selenium (Se)	655.15
	Thallium	655.15
	Molybedenum	655.15
	Antimony	655.15
	Barium (Ba)	655.15
	Beryllium	655.15
	Nickel	655.15
	Vanadium	655.15
	Copper	655.15
	Manganese	655.15
	Arsenic	655.15
	Boron	655.15
	Aluminium	655.15
	Titanium	655.15
	Biomagnification Tests (Fish, crustacean, algae and bacteria)	-
	Bio magnification (Fish)	-
E15	pH	311.60
	Temperature	311.60
	Electrical Conductivity	311.60
	TDS	389.50
	Salinity	311.60
	DO	311.60
	Alkalinity	389.50
	COD	779.01
	BOD	545.30
	Phenols	1,947.51
	TPH	3,895.03
	BTEX	3,895.03
	PAH	3,895.03
	Oil and Grease	1,558.01
	Zinc	779.01
	Nickel	779.01
	Vanadium	779.01
	Fe	779.01
	Cd	779.01
	Cr	779.01
	Pb	779.01
	Cu	779.01
	Hg	779.01
	Ba	779.01
	Co	779.01
	As	779.01
	Biomagnification (Molluscs, algae and bacteria)	-
	TPH C8-C80	3,868.31
	BTEX	3,868.31
	Mg2+	773.66
	PAH	3,868.31
	Oil and Grease	1,547.33
	Zinc	773.66
	Nickel	773.66
	Vanadium	773.66
	Fe	773.66

E16	Cd	773.66
	Cr	773.66
	Pb	773.66
	Hg	773.66
	Ba	773.66
	As	773.66
	Cyanide	773.66
	Total Organic Carbon	1,160.49
	Calcium	773.66
	pH	309.47
	Electrical Conductivity	309.47
	Phosphate	270.78
	Nitrate	309.47
	Na	773.66
	K	773.66
	Sulphate	309.47
	Al	773.66
	Biomagnification: Fish Tissue analysis (Heavy metals and organics)	-
E17	TPH C8-C80	3,560.61
	Oil and Grease	1,424.24
	Iron	712.12
	PAH	3,560.61
	Barium (Ba)	712.12
	Beryllium	712.12
	Tin	712.12
	Chromium (Cr+6)	712.12
	Cadmium (Cd)	712.12
	Cobalt (Co)	712.12
	Selenium (Se)	712.12
	Thallium	712.12
	Molybedenum	712.12
	Antimony	712.12
	Barium (Ba)	712.12
	Beryllium	712.12
	Nickel	712.12
	Vanadium	712.12
	Copper	712.12
	Manganese	712.12
	Arsenic	712.12
	Boron	712.12
	Aluminium	712.12
	Titanium	712.12
	Biomagnification: Crustaceans Tissue analysis (Heavy metals and organics)	-
	TPH C8-C80	2,848.48
	Oil and Grease	1,139.39
	Iron	569.70
	PAH	2,848.48
	Barium (Ba)	569.70
	Beryllium	569.70
	Tin	569.70
	Chromium (Cr+6)	569.70
	Cadmium (Cd)	569.70

E19	Cobalt (Co)	569.70
	Selenium (Se)	569.70
	Thallium	569.70
	Molybedenum	569.70
	Antimony	569.70
	Barium (Ba)	569.70
	Beryllium	569.70
	Nickel	569.70
	Vanadium	569.70
	Copper	569.70
	Manganese	569.70
	Arsenic	569.70
	Boron	569.70
	Aluminium	569.70
	Titanium	569.70
	Biomagnification: Molluscs Tissue analysis (Heavy metals and organics)	-
E21	TPH C8-C80	2,848.48
	Oil and Grease	1,139.39
	Iron	569.70
	PAH	2,848.48
	Barium (Ba)	569.70
	Beryllium	569.70
	Tin	569.70
	Chromium (Cr+6)	569.70
	Cadmium (Cd)	569.70
	Cobalt (Co)	569.70
	Selenium (Se)	569.70
	Thallium	569.70
	Molybedenum	569.70
	Antimony	569.70
	Barium (Ba)	569.70
	Beryllium	569.70
	Nickel	569.70
	Vanadium	569.70
	Copper	569.70
	Manganese	569.70
	Arsenic	569.70
	Boron	569.70
	Aluminium	569.70
	Titanium	569.70
	Biomagnification: Algal and Microbial analysis (Heavy metals and organics)	-
	TPH C8-C80	2,848.48
	Oil and Grease	1,139.39
	Iron	569.70
	PAH	2,848.48
	Barium (Ba)	569.70
	Beryllium	569.70
	Tin	569.70
	Chromium (Cr+6)	569.70
	Cadmium (Cd)	569.70
	Cobalt (Co)	569.70
	Selenium (Se)	569.70

E23	Thallium	569.70
	Molybedenum	569.70
	Antimony	569.70
	Barium (Ba)	569.70
	Beryllium	569.70
	Nickel	569.70
	Vanadium	569.70
	Copper	569.70
	Manganese	569.70
	Arsenic	569.70
	Boron	569.70
	Aluminium	569.70
	Titanium	569.70
	Depuration: Crustacean	-
E24	pH	259.67
	Temperature	259.67
	Electrical Conductivity	259.67
	TDS	324.59
	Salinity	259.67
	DO	259.67
	Alkalinity	324.59
	COD	649.17
	BOD	454.42
	Phenols	1,622.93
	TPH	3,245.86
	BTEX	3,245.86
	PAH	3,245.86
	Oil and Grease	1,298.34
	Zinc	649.17
	Nickel	649.17
	Vanadium	649.17
	Fe	649.17
	Cd	649.17
	Cr	649.17
	Pb	649.17
	Cu	649.17
	Hg	649.17
	Ba	649.17
	Co	649.17
	As	649.17
	Depuration: Molluscs	-
E25	pH	311.60
	Temperature	311.60
	Electrical Conductivity	311.60
	TDS	389.50
	Salinity	311.60
	DO	311.60
	Alkalinity	389.50
	COD	779.01
	BOD	545.30
	Phenols	1,947.51
	TPH	3,895.03
	BTEX	3,895.03
	PAH	3,895.03

E25	Oil and Grease	1,558.01
	Zinc	779.01
	Nickel	779.01
	Vanadium	779.01
	Fe	779.01
	Cd	779.01
	Cr	779.01
	Pb	779.01
	Cu	779.01
	Hg	779.01
	Ba	779.01
	Co	779.01
	As	779.01
	Depuration: Fishes	-
E26	TPH C8-C80	4,136.00
	BTEX	4,136.00
	Mg2+	827.20
	PAH	4,136.00
	Oil and Grease	1,654.40
	Zinc	827.20
	Nickel	827.20
	Vanadium	827.20
	Fe	827.20
	Cd	827.20
	Cr	827.20
	Pb	827.20
	Hg	827.20
	Ba	827.20
	As	827.20
	Cyanide	827.20
	Total Organic Carbon	1,240.80
	Calcium	827.20
	pH	330.88
	Electrical Conductivity	330.88
	Phosphate	289.52
	Nitrate	330.88
	Na	827.20
	K	827.20
	Sulphate	330.88
	Al	827.20
	Depuration: Crustaceans Tissue analysis (Heavy metals and organics)	-
E27	TPH C8-C80	4,136.00
	Oil and Grease	1,654.40
	Fe	827.20
	Depuration: Molluscs Tissue analysis (Heavy metals and organics)	-
	TPH C8-C80	2,848.48
	Oil and Grease	1,139.39
	Iron	569.70
	PAH	2,848.48
	Barium (Ba)	569.70
	Beryllium	569.70
	Tin	569.70

E29	Chromium (Cr+6)	569.70
	Cadmium (Cd)	569.70
	Cobalt (Co)	569.70
	Selenium (Se)	569.70
	Thallium	569.70
	Molybedenum	569.70
	Antimony	569.70
	Barium (Ba)	569.70
	Beryllium	569.70
	Nickel	569.70
	Vanadium	569.70
	Copper	569.70
	Manganese	569.70
	Arsenic	569.70
	Boron	569.70
	Aluminium	569.70
	Titanium	569.70
	Produced Water (Untreated and Treated), Slop Tank waste and Reference Chemical Characterization	-
E32	Produced Water Characterization for: Radioactivity and Production Chemicals: Defoamer (EC9017A), Demulsifier (EC2206A and EC2003A), Water Clarifier (EC6029A), Scale Inhibitor (EC6080A), Biocide (MB5075), Calcium Nitrate (VX8427), Oxygen Scavenger (OR6049), Calcium Naphthenate Inhibitor (CN1007), Antifoam (DFW85065), Low Dosage Hydrate Inhibitor (HIW85330), Methanol , Corrosion Inhibitor (DS-1617), Coagulant (EC6032A), pH adjuster (CGW80437), Triethylene Glycol (TEG), Hydraulic Fluid (HW443), Monoethylene Glycol (MEG), EGMBE 2- Butoxyethanol (DW188)	188,000.00
E33	Chemical Characterisation of sea water and sediments/mud flat characterisa), discharge rate and chemical analyses of the priority contaminants (naphthalene, acenaphhthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo (a) anthracene, chrysene, benzo(b) fluoranthene, benzo(k) fluoranthene, benzo(a) pyrene, dibenz(a,h) anthracene, benzo(ghi) perylene and indeno (1,2,3-cd) pyrene.	24,816.00
		-
	Sea Water, habitat water from ARAC and Sediments/Mud flat Characterization	-

E34	Sea Water from EA, habitat water from ARAC and Sediments/Mud flat Characterization for: Radioactivity and Production Chemicals: Defoamer (EC9017A), Demulsifier (EC2206A and EC2003A), Water Clarifier (EC6029A), Scale Inhibitor (EC6080A), Biocide (MB5075), Calcium Nitrate (VX8427), Oxygen Scavenger (OR6049), Calcium Naphthenate Inhibitor (CN1007), Antifoam (DFW85065), Low Dosage Hydrate Inhibitor (HIW85330), Methanol , Corrosion Inhibitor (DS-1617), Coagulant (EC6032A), pH adjuster (CGW80437), Triethylene Glycol (TEG), Hydraulic Fluid (HW443), Monoethylene Glycol (MEG), EGMBE 2- Butoxyethanol (DW188)	188,000.00
E35	Chemical Characterisation of Sea Water from EA, habitat water from ARAC or NIOMR and Sediments/Mud flat and chemical analyses of the priority contaminants (naphthalene, acenaphhthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo (a) anthracene, chrysene, benzo(b) fluoranthene, benzo(k) fluoranthene, benzo(a) pyrene, dibenz(a,h) anthracene, benzo(ghi) perylene and indeno (1,2,3-cd) pyrene.), Diesel Physico- chemical Characterization	24,816.00
E36	Diesel Physico-chemical Characterization	169,200.00
Item	**SECTION F :Biodiversity Surveys**	**Proposed applicable Unit Rate (NGN)**
	Biodiversity Assessment - Validity Survey of Selected Protected Areas	
F1	Biodiversity validity survey of Forest Reserves	6,167,925.66
F2	Studies for Mangrove conservation projects in the Niger Delta	6,383,803.06
F3	Biodiversity validity survey of forest reserves and Consultancy Services	6,337,543.61
F4	Pilot Restoration Activities for Mangrove Ecosystems	6,167,925.66
F5	Risk-based baseline and monitoring studies	6,383,803.06
F6	Socio-Economic Surveys	9,400.00
	Testing of Dispersant	-
F7	Emulsion capacity, Surface action capacity, Aqueous solubility , Solubility in petroleum hydrocarbons	282,000.00
	Toxicity test on the dilution effect/capacity of selected test organisms	-
F8	Median Lethal Concentration (LC50), Median Effective Concentration (EC50), Lowest Effect , concentration (LOEC), Non Effect Concentration (NOEC), Median Inhibition Concentration (IC50), Toxicity Factor and Synergistic ratio	47,000.00
	Dispersant test	-
F9	Biodegradation test, Sub-lethal dose	263,200.00
	SECTION G :REPORT PRODUCTION	**Proposed applicable Unit Rate (NGN)**
	Submissions of CDs	

G1	EIA, EER,PIA and Special Studies Reports (CD 700 mb); Pen drive (1G)	8,272.00
	Report Production	-
	Draft Reports	-
G2	Baseline Report	16,544.00
G3	Draft EIA Report	16,544.00
G4	Final EIA Report	16,544.00
G5	Environmental Evaluation Report (EER)/ Post Impact Assessment (PIA); Special Studies Report	16,544.00
G6	Environmental Compliance Monitoring Report	16,544.00
G7	Other Reports e.g Biological Monitoring Studies, Field Reports	12,410.97
	Report Reproduction	-
G8	Black and White	16,544.00
G9	Coloured	18,800.00