ECOTECHPROGRESS
LLP

BIN130940021863·VAT62001-1020475

Ref №: 003625-FCO-ETPL/KZ
Issued date: 1st January 2026
Expiry Date: 30th June 2026
Via Mandate: Dr Andrew Vitaly
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FULL CORPORATE OFFER

We the ECOTECHPROGRESS LLP under penalty of perjury, confirm as seller, with full corporate responsibility to supply, hereby introduce this offer with below terms and procedures for our products.
Grade: Kazakhstan Export Grade Origin: Kazakhstan Republic Commission structure: (50% Buyer side/50% seller side) Contract Term: 12 months minimum (with rolls and extensions) Payments Term: MT103, BG or SBLC via MT760 POP: Provided as per documents list in contract Inspection by: SGS/CIQ

Product 1	**Jet Fuel JETA1, Jet Fuel TS-1,JP54**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	1,000,000 bbls (+/- 5%)
Monthly Quantity	2,000,000 bbls
Total Quantity	24,000,000 bbls
Price	$64 USD gross/$60 USD net per bbl.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston & Fujairah Port.

Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer
Product 2	**D6 VIRGIN FUEL OIL**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	500,000 gallons (+/- 5%)
Monthly Quantity	200,000,000 gallons
Total Quantity	1,200,000,000 gallons
Price	$0.74 USD gross/$0.70 USD net per gal.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

Product 3	**Diesel Fuel EN590 (10ppm) USLD**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	50,000 mts (+/- 5%)
Monthly Quantity	200,000 mts
Total Quantity	1,200,000 mts
Price	$370 USD gross/$360 USD net per mt.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB

Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

Product 4	**Diesel D2 Gas Oil GOST 305-82**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	50,000 mts (+/- 5%)
Monthly Quantity	200,000 mts
Total Quantity	1,200,000 mts
Price	$400 USD gross/$390 USD net per mts.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

Product 5	**Mazut M100 GOST 10585-75/99**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	50,000 mts (+/- 5%)
Monthly Quantity	200,000 mts
Total Quantity	1,200,000 mts
Price	$400 USD gross/$390 USD net per mt.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

Product 6	**Liquefied Natural Gas LNG GOST R 57431-2017**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	50,000 mts (+/- 5%)
Monthly Quantity	200,000 mts
Total Quantity	1,200,000 mts
Price	$400 USD gross/$390 USD net per mt.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller

Performance Bond	2% PB in favor of Buyer

Product 7	**Liquefied Petroleum Gas LPG GOST R 20448-90**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	50,000 mts (+/- 5%)
Monthly Quantity	200,000 mts
Total Quantity	200,000 mts
Price	$400 USD gross/$390 USD net per mt.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

Product 8	**REBCO GOST 9965-76/REBCO GOST 51858-2002**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	1,000,000 bbls (+/- 5%)
Monthly Quantity	2,000,000 bbls
Total Quantity	24,000,000 bbls
Price	$60 USD gross/$56 USD net per bbl.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB

Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

Product 9	**ESPO Blend Crude Oil GOST R 51858-2002**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	1,000,000 bbls (+/- 5%)
Monthly Quantity	2,000,000 bbls
Total Quantity	24,000,000 bbls
Price	$60 USD gross/$56 USD net per bbl.
Payment	MT103
Packing	By Bulk
Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

Product 10	**Light Cycle Oil (LCO)**
Origin	Kazakhstan Republic
Specification	International export Standard
Trial Shipment	50,000 mts (+/- 5%)
Monthly Quantity	200,000 mts
Total Quantity	1,200,000 mts
Price	$370 USD gross/$360 USD net per mt.
Payment	MT103
Packing	By Bulk

Inspection	SGS or Similar By Seller
Delivery	FOB
Loading port	Rotterdam & Houston & Fujairah Port.
Insurance	110% by Seller
Performance Bond	2% PB in favor of Buyer

STANDARD FOB PROCEDURE TRANSACTION

1. The Buyer issues an official ICPO and TSA containing the Seller´s procedure with banking details and Company Profile.

2. The Refinery verifies the Buyer ICPO and TSA with Company profile and Seller issues a Commercial Invoice of the product in tanks to be sign by buyer and send fresh SGS to buyer storage tank for confirmation. Upon the buyer tank storage confirm to the buyer validity of the fresh SGS, buyer request two difference invoice from their tank while 2 days will be paid by seller and 3 days will be paid by buyer.

3. Upon the signed CI received from buyer and 5 days TSR from buyer storage tank for verification, Seller issues the below POP documents to the Buyer for verification.

   a) Injection Report
   b) Dip Test Authorization Letter (DTA)
   c) Authorization to Sell and Collect
   d) Fresh SGS Report
   e) Authorization to verify the product in the Seller´s Tank (ATV)

4. The Buyer inspects by SGS on the Buyer´s expenses and sends to the Seller TSR after Receipt of successful Dip Test report is received.
5. Seller issues the following documents to all Intermediaries and the Buyer endorsed NCNDA/IMFPA.
6. Upon successful Dip Test in tanks, product will immediately be injected into Buyer´s Tanks.
7. The Buyer makes Payment for the product via MT103 in exchange for title.

STANDARD FOB TTV PROCEDURE TRANSACTION

1. Buyer issue “ICPO containing the seller's working procedure with scanned copy of buyer's passport along with buyer Company certificate of incorporation.

2. Seller issues commercial invoice of the product in tanks at the port, to be sign by buyer. And request 2 days tank extension from seller tank.

3. Upon receipt of the signed CI from buyer and 2 days swift confirmation from buyer for verification seller issue the below pop documents. And start the injection program to buyer storage.
   - 48 hours fresh SGS
   - INJECTION REPORT
   - BILL OF LADDING.
   - TITTLE OF OWNERSHIP TRANSFER
   -TSR OF WHERE THE PRODUCTS STORE TO VERIFY PHYSICALLY.

4. Buyer inspects by SGS on Seller’s expenses and sends TSR.

5. Upon successful dip test in tanks, product will immediately be injected into Buyer's tanks. Buyer makes payment for the productvia MT103/TT

TRANSACTION PROCEDURE ON CIF

1. Buyer issues Purchase Order upon receipt and acceptance of seller's Soft Offer.

2. Seller issues Draft Sales and Purchase Agreement Contract with Commercial Invoice for buyer review and signing.

3. Mutual: Both buyer & Seller deposit USD1 Million to Seller Attorney's escrow account upon confirmation of the deposit from both sides then the lawyer shall sends Verifiable Prove of Product documents in the name of the Buyer's company. Proof of Product documents in buyer's company

A. MASTER'S RECEIPT FOR DOCUMENTS FOR RECEIVER & OWN USE

B. BILL OF LADING C. QUALITY CERTIFICATE (ENDORSED BY LOADING PORT SURVEYOR)

D. CERTIFICATE OF QUANTITY (ENDORSED BY LOADING PORT SURVEYOR)

E. TIME SHEET/STATEMENT OF FACTS

F. MASTER'S RECEIPT OF SAMPLES

G. ULLAGERE PORT

H. SHIP'S TANK DRY/CLEANLINESS CERTIFICATE

I. FREIGHT/CARGO MANIFEST

J. NOTICE OF READINESS

K. CERTIFICATE OF ORIGIN

L. PRODUCT QUALITY PASSPORT (ANALYSIS TEST REPORT)

M. COMMITMENT LETTER TO SUPPLY THE

PRODUCT N. FIDUCIARY AGENT

AUTHORIZATION LETTER

4. Upon receipt of the POP documents, then the buyer provides their shipping agent contact information for the ship owner to open communication and issue Power of Attorney entrusting the buyer's shipping agency to perform all needed shipping agency and freight forwarding services at the discharge ports

5. The vessel master will issue the below documents to the buyer's shipping agency.

1) ENTRUSTMENT LETTER (FROM VESSEL CAPTAIN)
2) ETA/NOR
3) CREW LIST
4) SHIP PARTICULARS
5) PORT OF CALLLIST
6) MARITIME DECLARATION OF HEALTH
7) BALLAST WATER REPORT FORM
8) VESSEL ARRIVAL DRAFT NOTICE

6. Upon receipt of the documents by the buyer shipping agency, the lawyer instruct to the refinery and the vessel master to re-route the vessel tanker heading for final destination to the buyer's discharge port.

7. Seller and Buyer signs the title transfer affidavit and the title ownership certificate is issued in the buyer's company name.

8. Seller instruct vessel master to send the complete set of maritime and shipping documents enable the buyer shipping agent file for maritime report and make all preparation to receive the vessel tanker at the destination port terminal.

COST, INSURANCE AND FREIGHT (CIF) PROCEDURE

1. Buyer issues ICPO must be with buyer company letterhead and buyer banking information.

2. Seller issues Draft Contract (open for any amendments) to Buyer. Buyer signs, seal and returns the Draft Contract to Seller for final endorsement. Seller gives Partial proof of products.

A. Refinery Commitment to Supply.
B. Certificate of Origin.
C. Statement of availability of product.
D. ATSC

3. Upon examined of seller POP buyer will make cash deposit of $400,000 (four hundred thousand dollars) by TT wire transfer for security guarantee to enable seller charter vessel and commence shipment, and this payment will be deducted from the Total cost of product after inspection at discharge port, Seller's Bank issues Full POP Documents to the Buyer's Bank alongside with the 2% Performance Bond (PB)

A. Copy of license to export, issued by the department of the Ministry of Energy, Kazakhstan.
B. Copy of Approval to Export, issued by the Ministry of energy Kazakhstan.
C. Copy of statement of availability of the product.
D. Copy of the refinery commitment to produce the product.
E. Copy of the port storage agreement.
F. Copy of the charter party agreement to transport the product to discharge port.
G. Copy of Vessel Questionnaire 88.
H. Copy of Bill of Lading.
I. SGS Report at loading port.
J. Dip test Authorization (DTA) & ATB
K. NOR /ETA
L. Certificate of Ownership Transfer.
M. Allocation Transaction Passport Code Certificate (ATPCC) by Ministry of Energy.
N. Seller will issue TSR upon successful verification of all documents.

4. Shipment commences as per the signed contract delivery schedule and the shipment should arrive at Buyer's discharge port within 5-25 days. The SGS inspection will be borne by the Seller at the loading seaport and Buyer at the unloading seaport.

5. Buyer releases payment to Seller by TT/MT103 upon receipt of the shipping documents and confirmation of the Q & Q by SGS/CIQ at destination port.

6. Seller pays commission within 48 hours by swift MT103 to all intermediaries as signed NCNDA/IMPFA.

PRODUCT SPECIFICATION AVIATION JET FUEL (JETA1)

TEST	UNITS	SPECIFICATIONS	METHOD
		D1655	
		Degree C (F)	
Saybolt Color	Number	Report	D156
Total Acid, Max	mgKOH/g	0.10	D3242
Aromatic Content, Max.	vol %	25	D1319
Naphthalenes, Max	vol %	3	D1840
Mercaptan Sulfur, Max.	wt. %	0.003	D3227
Total Sulfur, Max	wt. %	0.30	D4294
Initial Boiling Point	Celsius	Report	D86
10% Recovery Point, Max	Celsius	205 (401)	D86
20% Recovery Point	Celsius	Report	D86
50% Recovery Point	Celsius	Report	D86
90% Recovery Point	Celsius	Report	D86
Final Boiling Point, Max	Celsius	300 (572)	D86
Residual, Max.	vol %	1.5	D86
Loss, Max.	vol %	1.5	D86
Flash Point, Min.	Celsius	38.0 (100)	D56
Viscosity @-20C, Max.	cSt	8.0	D445
Gravity	API	37 - 51	D4052
Density @15 C,	kg/m3	775 - 840	D4052
Freeze Point, Max.	Celsius	-45.5(-50) Jet A	D5972
Freeze Point, Max	Celsius	-47 (-53) Jet A - 1	D5972
Heat Content, Min.	Btu/lb	18,400	D3338
Net Heat of Combustion, Min	MJ/kg	42.8	D3338
Smoke Point, Min.	mm	18.00	D1322
Copper Corrosion, Max	Code	1	D130
Stability, P, Max. @ 260C	mm HG	25	D3241
Preheat Code, Max	Code	<3	D3241
Existent Gum, Max	mg/100ml	7	IP540
Water Separation	MSEP	85	

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PRODUCT SPECIFICATION AVIATION JET FUEL (JP54)

TEST	MEAN UNIT	METHOD	RESULT
Density at 15℃	g / ml	ASTM_D4052	0.8 / 0.83
DIST_D86 / I.B.P.	℃	ASTM_D86	159.8
DIST_D86 / 10% recovered	℃	ASTM_D86	187.4
DIST_D86 / 20% recovered	℃	ASIM_D86	194.8
DIST_D86 / 50% recovered	℃	ASTM_D86	208.8
DIST_D86 / 90% recovered	℃	ASTM_De6	232.7
DIST_D86 / F.B.P.	℃	ASTM_D86	244.1
DIST_D86 / Residue	% vol	ASTM_D86	1.2
DIST_D86 / Loss	% vol	ASTM_D86	1.4
Say bolt Color	---	ASTM_D156	28
Appearance	---	---	Clear & Bright
Flash Point	℃	ASTM_D56	51.5
Copper Strip Corrosion 2h@100℃	---	ASTM_D130	Class 1
Acid number	mg KOH / g	ASTM_D3242	0.004
Total Sulphur	% w / w	ISO8754	0.12
Mercaptan Sulphur	% w / w	ASTM_D3227	0.0005
Existent Gum	mg / 100 MI	ASTM_D381	1
FIA / Aromatics	% vol	D1319_95	16.5
Water Reaction : Interface Rating	---	---	1
Net Heat of Specific Energy	MI / kg	ASTM_D3338	43.222
Freezing Point	℃	ASTM_D2386	-43.5
Kinematics Viscosity @ - 20℃	CST	ISO3104	6.86
Smoke point	Mm	ASTM_D1322	25
Naphthalene's	% vol	ASTM_D1840	1.2
JFTOT / Change in pressure drop	mm Hg	ASTM_D3241	1
JFTOT / Filter Tube Deposit	---	ASTM_D3241	1
JFTOT / Tube Appearance	---	ASTM_D3241	No peacock or abnormal deposits
MSEP – A	---	ASTM_D3948	97
Hydrogen Content	% w / w	ASTM_D3701	13.96
Hydro processed fuel in botch	% w / w	---	300

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PRODUCT SPECIFICATION VIRGIN FUEL OIL (D6)

METHOD UNITS	TEST	RESULTS	UNIT
ASTM D5002	Density and Relative Density of Crude Oil and Average API Gravity	29.7(29.7)Min	API
ASTM D1298-99	Density @ 15 Deg C	0.87(0.775)	Kg/t
ASTM D97	Pour Point of Petroleum Pour Point Pour Point	<-33(-36)BELOW ZERO <-27.4(- 32.8)BELOW ZERO	®C
ASTM D93-IP34	Pensky-Martens Closed cup Flash Point Corrected Flash Point	117(137)Min	®F
ASTM D4294	Sulfur content in petroleum Product by EDXRSulfur content	0.38(0.358)Max	W1%
ASTM D445	Kinematic/Dynamic viscosity Kinematic viscosity @ 122®F/50®C	17.83(18.12)Max	Mm2%
ASTM D6304	Water content by coulometric Karl Fisher Titration Water content	0.20(0.7)Max	W1%
ASTM D482	Ash from petroleum product Average Ash	0.279(1.007)Max	W1%
ASTM D2161	Conversion of kinematic viscosity To SUS/SFS I Saybolt furol Viscosity	10.9SFS	Max
ASTM D5184	Aluminum and Silicon in Fuel Oils By KP-AES or AAS Aluminum content	102(max)	Mg/kg
ASTM D95	Water by Distillation Vol%	0.70(Max)	Vol%
ASTM D4530.06	Carbon Residue	1.11(max)	W1%
Method Test Result Unit			
IP 143 Asphalteness Heptane Insoluble			
	Asphaltene content	0.08	W1%
IP 501 Determination of AL, Si, V, Ni, Fe, Na, Ca, Zn, P in Fuel Oil			
	Aluminum Silicon Sodium	372 187 117	Mg/kg Mg/kg Mg/kg

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PRODUCT SPECIFICATION DIESEL EN590 (10PPM) USLD

N	CHARACTERISTICS	Unit	TEST RESULT		TEST METHOD	
			Min	Max	EN STANDRADS	ASTM STAND
1	Cetane number	no	51,0		EN ISO 5165 EN 151	D 613
2	Cetane Index	Index	46,0		EN ISO 4264	D 4737
3	Density at 15°C	kg/m'	820	840	EN ISO 3675 EN ISO 12185	D 4052 D 1298
4	Polycyclic aromatic hydrocarbons	% m/m		11,0	EN 12916	
5	Sulphur content	mg/kg		10	EN ISO 20846 EN ISO 20884	
6	Distillation - Recovered @150 65 °C - Recovered @25085 °C - Recovered @350 95 °C - Recovered @95	 % Vol % Vol % Vol °C	 85,0	 2,0 65,0 360	EN ISO 3405;2000	D86
7	Kinematic viscosity at 40°C	mm^2/s	2,00	4,50	EN ISO 3104	D 445
8	Flash point	°C	55		EN ISO 2719	D93
9	Cold filter plugging point (CFPP): (CFPP) Summer (CFPP) Winter	 °C °C	 50,0	 -2 -12	EN116:1997	
1	Cloud point:				EN23015:1994	D 2500 D 5772
	Summer (1 April to 30 September)	cc	Report			
	Winter (1 October to 31 March)	cc		+0		
1	Carbon residue (on 10% distillation residue)	% m/m		0,15	EN ISO 10370	D 4530
1	Lubricity, corrected wear scar diameter (corrected WSD 1,4) at 60'C	µm		460	EN ISO 12156-1	
1	Water content	mg/kg		200	EN ISO 12937	
1	Total, contamination (Solid particles)	mg/kg		15	EN 12662	
1	Ash content	% m/m		0,01	EN ISO 6245	D 482
1	Corrosion to copper (3h at 50°C)	Indice	1stClass		EN ISO 2160	D 130
1	Oxidation stability	g/m3		25	EN ISO 12205	D 2274
1	Oxidation stability (9)	hours	20		EN 15751	
1	FAME Content (10)	% VN		0	EN 14078	
2	Colour	ASTM scale		2,0		D 1500 D 6045
2	Aspect		Cl ar		Visual Inspection	D 4176

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2	Biodiesel content	% Vol	4,5	7,0		
2	Electrical Conductivity	% m/m			ISO6297 IP274	D 2624
2	Total, Acidity	MgKOH/ g				D 974-06

PRODUCT SPECIFICATION GASOIL D2 L-0.2-62 GOST 305-82

COMPONENT	UNIT	MIN	MAX
Density@ 20 deg C	Kg / m³	0.82	0.870
Colour		0.5	1.0
Flash point, PMCC	Deg C (°C)	57	62
Kinematic viscosity @20 deg C	CST	3.0	6.0
Pour point	Deg C (°C)	(*)	-10.0
Cloud point	Deg C (°C)	(*)	-5.0
Mercaptan sulphur			0.004
Acidity, mg / 1000 cm³			5
Iodine number	g/100g		6
Ash	%wt		0.01
Total Sulphur	%wt		0.02
Copper corrosion	3hrs@50 deg C	(typical)	1 A
CCR on 10% Residues	%wt		0.20
Cetane index		45	
Distillation range :			
- 50% Recovered Volume	deg C (°C)		280
- 90% Recovered Volume	deg C (°C		360
- Bacteria MBC	Fibre / it		500
- Bacteria CFU	Fibre / it		1000

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PRODUCT SPECIFICATION MAZUT M100 10585-99

NR.	SPECIFICATIONS	RESULTS		METHOD
		TYPICAL	MAX.	
1	Relative Viscosity at 80 °C, mm²/s (cSt)	13.5	16.0	ASTM D 445
	Kinematic Viscosity at 80 °C, mm²/s (cSt)	101.0	118.0	ASTM D 445
2	Relative Viscosity at 100 °C, mm²/s (cSt)	6.2	6.8	ASTM D 445
	Kinematic Viscosity at 100 °C, mm²/s (cSt)	45.3	50.0	ASTM D 445
3	Ash Content, wt. %	0.06	0.14	ASTM D 482
4	Sediments by Extraction Method, wt. %	0.02	1.0	ASTM D 473
5	Water Content, wt.%	0.1	1.0	ASTM D 85
6	Water Soluble Acid & Alkali Content	NIL	--	GOST 8307
7	Sulphur, wt.%	1.2	1.8	ASTM D 4294
8	Flash Point (COC), °C, min.	110	180	ASTM D 92
9	Pour Point, °C,	+18	+42	GOST 20267
10	Net Heat of Combustion, KJ/kg (kcal/kg)	39900 (9530)	40717 (9726)	ASTM D 4868
11	Density, at 20 °C, kg/m3	939.1	968	GOST 3900
12	Conradson Carbon Residue, wt.%	5.56	15	ASTM D 189
13	Water by Distillation % wt	0.36	0.8	ASTM-D 95

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PRODUCT SPECIFICATION MAZUT M100 10585-75

COMPONENT	RESULT
Ash content, not more %	0, 14
Mass fraction of sulphur, not more %	
- Low – sulphur – residual – oil	0, 5 Max
Temperature of the flash, not less ºC in the closed crucible	65
In the open crucible ºC	110 min
The temperature of solidification, not higher ºC	25
Kinematics viscosity content	118 max
Water	0.5%
Mechanical impurities	Lower than 0.1%
Acidity	Lower than 5 mg KOH/100ml
Alkalinity	Nil
Gross Calorific Value Kcal/kg / KJ/kg	Min9700/41300
Density at 15.0 deg. C Kg/l	0.8900-0.9200
Hydrogen Sulfide Content (H2S) pom	0.5 max
Carbon Residua	Lower than 7%
Vanadium (V) ppm	23
Aluminum (Al) ppm	5
Silicon (Si) ppm	12
Nickel (Ni) ppm	29
Aspartames m/m	3.6%
Distillation @4 mm Hg	

Extracted to 760 mm Hg	
Initial Boiling Point deg. C	216
5% recovered deg. C	259
10% recovered deg. C	310
20% recovered deg. C	358
30% recovered deg. C	445
40% recovered deg. C	502
50% recovered deg. C	534
60% recovered deg. C	538
75% recovered deg. C	545

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80% recovered deg. C	
90% recovered deg. C	
Final Boiling point deg. C	550
Percent Recovered vol	78%
Residue vol	22%
Total Nitrogen m/m	0.192%
Sodium (Na) PPM	15

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PRODUCT SPECIFICATION LIQUEFIED NATURAL GAS GOST 57431-2017

COMPONENT	SUBSTANCE PERMISSIBLE LIMITS
Gross Heating Value (GCV) range	9,340 – 10,420 Kcal/SCM (1,050 – 1,170 BTU/SCF)
Methane	not less than 85.0 Mol %
Ethane	not more than 9.2 Mol %
Propane	not more than 3.00 Mol %
Butanes and heavier	not more than 2.00 Mol %
Pentanes and heavier	not more than 0.25 Mol %
Nitrogen	1.0 molecular %
Total Sulphur	10.0 ppm (w)
Sulphur in form of Hydrogen Sulphide	10.0 ppm (w)
Maximum variation in Wobbe Index (WI) [WI = LHV (Volumetric Basis / (Specific Gravity w.r.t.Air)0.5]	+/- 5.0 %
Contaminants	
(a) Trace Metals	
I. Pb + Zn	0.50 ppm (w)
ii. Na + K	0.30 ppm (w)
iii. Vanadium	0.50 ppm (w)
iv. Calcium	2.0 ppm (w)
v. Magnesium	2.0 ppm (w)
vi. Sum of heavy metals (Hg+V+Pb+Zn+Ni+Others)	1.0 ppm (w)
(b) Solids / Particulates	
i. Total for particle size up to 10 microns	20.0 ppm (w)
ii. For 2 micron < d < 10 microns	1.50 ppm (w)
iii. For particle size greater than 10 microns	0.30 ppm (w)
(c) Liquid contents	Nil
(d) Moisture	112 kg/million SCM
Hydrogen content	1.00 % (by volume)
Acetylene (C2H2)	0.10 % (by volume)
Higher Hydrocarbons for n>=3	10.0 % (by volume)

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LIQUEFIED PETROLEUM GAS

LPG - 50% Propane and 50% Butane Separate

SPECIFICATION (Butane)

	PROPERTY	UNITS	TEST METHOD	VALUE
1	Ethane	mol %	G.C	0.08 max
2	Propane	mol %	G.C	2 max
3	Total – C4	mol %	G.C	97.5 min
4	Total – C5	mol %	G.C	0.82 max
5	Sp. Gr. @ (60°F / 60°F)	-	ASTM D-2598	To be reported
6	Copper Corrosion	-	ASTM D-1838	No. 1a max
7	Total Sulfide	wt.ppm	(ASTM D-3246)	30 max
8	Hydrogen Sulfide	vol.ppm	ASTM D-2420	Nil
9	Vapor Press @ (100°F)	Psig	ASTM D-2598	70 max
1	Water Content	vol.ppm	Shaw Dew Point	10 max
1	Residue on Evaporation	vol %	ASTM D-2158	0.0 max

SPECIFICATION (Propane)

	PROPERTY	UNITS	TEST METHOD	VALUE
1	Ethane	mol %	G.C	0.4 max
2	Propane	mol %	G.C	98 max
3	Butane	mol %	G.C	1.4 max
4	Pentanes & Heavier	mol %	G.C	0.01 max
5	Copper Corrosion	-	ASTM D-1838	No 1a max
6	Hydrogen Sulfide	vol.ppm	ASTM D-2420 / DRAGER	5 max
7	Sp. Gr. @ (60°F / 60°F)	-	ASTM D-2598	To be reported
8	Sulphur (Volatile)	wt.ppm	(Based on ASTM D-3246)	30 max
9	Vapor Pressure @ (100°F)	Psig	ASTM D-2598	200 max
1	Water Content	-	ASTM D-2713	pass

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PRODUCT SPECIFICATION LIGHT CYCLE OIL

Properties	Unit	Result	Test Method
Sulphur content	%	<0.15	ASTM D4294-10
Ash content	% (Mass)	0.0005	ASTM D482
Carbon residue	% (m/m)	0.0	ASTM D4530
Density (15^{O}C)	Kg/l	0.8811	ASTM D1298-12b
Water Content	%	0.0	ASTM D4006
Flash point	^{O}C	63.0	ASTM D93-15
Pour point ^{O}	^{O}C	-15	ASTM D97-12
Viscosity (40 C)	MM /S	2.719	ASTM D445-15
Chroma	ASTM Color	1.0	ASTM D1500-12
Benzene	% (volume fraction)	<0.10	ASTM D5580-13
Toulene	% (volume fraction)	<1.00	
Xylene	% (volume fraction)	<1.00	
Naphthalene	% (mass fraction)	1.1	ASTM D2425-04(2009)
Total aromatics	% (mass fraction)	54.4	
Primary distillate	^{O}C	167.5	ASTM D86-12
5% distillate	^{O}C	189.9	
10% distillate	^{O}C	202.1	
50% distillate	^{O}C	279.9	
90% distillate	^{O}C	350.8	
95% distillate	^{O}C	368.1	
Final distillation	^{O}C	380.9	
Olefin content	% (volume fraction)	4	ASTM D1319-14
Aromatics content	% (volume fraction)	56.4	
Saturated hydrocarbon content	% (volume fraction)	39.6	
Sixteen alkanes index	/	39.1	ASTM D976-06

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RUSSIAN ESPO CRUDE OIL SPECIFICATION

TEST (ESPO CRUDE SPECIFICATION)	Units	Method	Result
Density at 15oC	kg/L	ASTM D 5002	0.8508
Specific Gravity at 60/60°F	kg/L	ASTM D 5002	0.8512
API gravity		ASTM D 1250	34
Kinematic viscosity at 20°C	CST	ASTM D 445	6.949
Total acid Number	mg KOH/g	ASTM D 664	<0.050
Pour Point	°C	ASTM D 5853	<=-36
Water by distillation	mass%	ASTM D 4006	0.35
Sediment by extraction	mass %	ASTM D 473	0.01
Chloride salt content	mg/dm3	GOST 21534-75(A)	17
Organic chlorine content	mg/kg	ASTM D 4929(B)	*1
Sulphur content	mass%	ASTM D 4294	0.535
Hydrogen Sulphide	ppm	UOP 163	less 1
Mercaptan Sulphur	ppm	UOP 163	111
Ash content	mass %	ASTM D 482	0.011
Nickel	ppm	IP 470	4
Sodium	ppm	IP 470	1
Iron	ppm	IP 470	19
Copper	ppm	AAS	less 1
Vanadium	ppm	IP 470	4
Calcium	ppm	IP 470	2
Paraffin Wax content	mass %	UOP 46	3.3
RVPE	kPa	ASTM D 5191	40.4
Asphaltenes (heptane	mass %	IP 143	0.2
insolubles) content			
Distillation		ASTM D 5236	
Cut Range (°C)	Cum % vol		
LPG	% vol.		2.2
C5-65	% vol.		6.1
65-100	% vol.		9.8
100-150	% vol.		16.7
150-200	% vol.		25.1
200-250	% vol.		32.7
250-300	% vol.		42
300-350	% vol.		50.9

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350-370	% vol.		54.2
370-475	% vol.		70
475-515	% vol.		74.6
515-525	% vol.		76
525-553	% vol.		79.9

BLEND CRUDE OIL REBCO (SPECIFICATION GOST 9965-76)			
Density At 20 Deg C Kg/M	**%**	**Max**	**0.870**
Sulphur Content	**%**	**Max**	**1.8**
Parafin Content	**%**	**Max**	**1.8**
Water And Sedment	**%**	**Max**	**1.2**
Ash Content	**%**	**Max**	**0,05**
Chloride Content	**%**	**Max**	**100**
DISTILATION:			
Up To 200 Degrees C.	**%**	**Max**	**21**
Up To 300 Degrees C.	**%**	**Max**	**41**
Up To 350 Degrees C.	**%**	**Max**	**50**
INDEX APT At 20C Degrees	**%**	**Max**	**32,00**
Salts Content, Mg/L	**%**	**Max**	**100**

BLEND CRUDE OIL REBCO (SPECIFICATION GOST 51858-2002)			
CHARACTERISTICS	**UNITS**	**RESULT**	**TEST METHOD**
Density (Specific Gravity) @ 20 °C	g /sm^3	0.870	ASTM D5002
Sulphur Content max	wt.%	1.8	ASTM D4294
Paraffin Content max	%	1.8	ASTM D5443
Water & Sediment Content max	vol. %	1.2	ASTM D4007
Distillated recovered max	%		ASTM 86
@ 200°C		21.0	
@ 300°C		41.0	
@ 350°C		50.0	
Chlorine Salt Content max	mg/dm^3	100	ASTM D3230
Density API	°API	32.0	ASTM D5002
Salts Content as NaCl	mg /l	17.3	ASTM D3230

Ash Content max	wt.%	0.05	ASTM D482
Mercaptans	mg/kg	<1	ASTM D3227
Pour Point	°C	15	ASTM D5863
Kinematic Viscosity CST @ 20°C	mm^2 /s	4.92	ASTM D455
Hydrogen Sulfide	mg/kg	<1	ASTM D3227
Asphaltenes	%	0.9	ASTM D6560
Nitrogen	mg /l	342	ASTM D4629
KOH Number	mg/g	0.39	ASTM D8045 -17

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SELLER SEAL AND SIGNATURE

ON BEHALF OF BOARD AND MANAGEMENT
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