



PRODUCT SPECIFICATIONS

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NNPC STANDARD EXPORT QUALITY BONNY LIGHT CRUDE OIL SPECIFICATIONS		
Specific Gravity at 150c, kg/l	ASTMD1298/P	0.8389 -0.8498
API at 60 Degrees ° F	ASTM Table 51	47 – 21
Density at 60° F / 15.55° C - Cg- CM -MAC		0.85 max
Salinity	ASTMD 4006/1P 358	47P.T.B @ 60 Degrees ° F at 0.10%
BS & W Content [Vol. %]	ASTMD 473/1P 53	0.25 Average
Sulphur % WT.	ASTMD	0.14% wt.
Pour Point Degrees ° F	ASTMD 97/1P.15	40° F Degrees ° F (4.44° C)
Water Content:		0.20% - 0.50% Vol. Max
Sediment Content, Pct. (%)		0.50 % max
Acid number		0.39
Vanadium WT, PPM.		2.00
Iron WT, PPM		1.00
Salt Content (PTB)		6.52 PSIG
REIB Vapour Pressure:		6.52PSIG
Nickel WT, PPM.		4.00
Colour	DARK BROWN	

NNPC STANDARD EXPORT QUALITY FORCADOS BLEND (LPFO) SPECIFICATIONS	
Specific Gravity (API)	34-38
Density at 20 degrees, CG.CM	max 0.85
Basic Salt Water (BSW)	0.6 % Vol
Colour	Dark Brown
Acid Number	0.39
Reid Vapour	6.52 max (PS)
Water & Sediment %	max 1.0
Iron, WT PPM	1.0
Vanadium, WT, PPM.	2.0
Nickel, WT, PPM.	4.0
Pour Point	below 40° F Degrees °F (4.44° C)
Sulfur Content, % WT.	0.14

NLNG STANDARD EXPORT QUALITY LIQUEFIED NATURAL GAS (LNG) SPECIFICATIONS		
Component	Mol %	Mol %
	Heavy LNG	Light LNG
Methane	87.00	97.53
Ethane	8.37	2.16
Propane	3.00	0.25
i-Butane + n-Butane	1.20	0.04
i-Pentane + n-Pentane	0.23	0.01
Nitrogen	0.20	0.01
Density at -159.8°C (kg/m³)	470	429
Molecular Weight	18.72	16.44
Gross Heating Value (Btu/scf)	1156	1036
Average NG send out flow rate (MMscfd)	625	625
NG throughput for 365 days (MTPA)	5.09	4.47

NLNG STANDARD EXPORT QUALITY LIQUEFIED PETROLEUM GAS (LPG) SPECIFICATIONS		
Salient Features as per IS:4576		
Characteristic	Requirement for commercial Butane-Propane Mixture	Method of Test Page(P) of IS:1448
Vapour pressure at 65 deg. C kgf/cm.g.	16.87 Max.	P:71
Volatility: evaporation temperature in deg.C, for 95 per cent by volume at 760 mm Hg pressure, Max.	2	P:72
Total volatile sulphur percent by mass, Max.	0.02	P:34
Total volatile sulphur percent by mass, Max.	0.02	P:34
Copper strip corrosion at 38 deg.C for 1 hour	Not worse than No.1	P:15
Hydrogen Sulphide	Absent	P:73
Dryness No free entertained water	No free entertained	P:74
Odour	Level 2	P:75

STANDARD EXPORT QUALITY THERMAL COAL SPECIFICATIONS				
ASTM Standard Method				
Parameter	Basis	Unit	Guaranteed	Rejection
Total Moisture	ARB	%	10 - 12	>12
Inherent Moisture	ARB	%	4 -10 Approx.	
Ash Content	ARB	%	13 - 14	>15



Volatile Matter	ARB	%	35 – 45 Approx.	
Fixed Carbon	ARB	%	By Difference	
Total Sulphur	ARB	%	1 Max	>1
Gross Calorific Value	ARB	Kcal/kg	6300	>6100
HGI	-	-	40 – 50 Approx.	
Size (0 – 50mm)	-	%	90	

Changes of Product Specifications

CPCR reserves the right to make changes to the terms and conditions defined in this [Product Specifications](#) from time to time. In case of incongruence between the different versions of these regulations, the English version shall overrule.

Client will be informed of any such changes. The respective changes shall be considered binding and agreed to unless the Client notifies CPCR of the contrary no later than 30 business days after the date on the announcement.

Concluding Provisions

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