



Oil and Natural Gas Corporation Limited

Regional Laboratory
CBM Asset, 1st floor,
HSCL Building Nayamore
Bokaro Steel City-827001

Gas Analysis Report of GCS

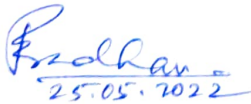
Report No. BKRO/RL/GAS/16/22-23

Dated: 25.05.2022

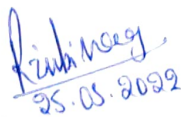
Sl. No→	Unit	
Sample ID No.		BKRO/RL/GAS/GCS/16/21-22 22-23
Source		GCS KOD
Date of Collection		24.05.2022
Collected By		Surface Team
Date of receipt in Lab		25.05.2022
Pressure at the point	Kg/cm ²	
C ₁	% v/v	87.89
C ₂	"	1.57
C ₃	"	0.06
iC ₄	"	0.01
nC ₄	"	Nil
iC ₅	"	Nil
nC ₅	"	Nil
CO ₂	"	9.81
N ₂	"	0.66
He	"	Nil
H ₂	"	Nil
Real Net Calorific Value	Kcal/SCM	7418.92
Real Gross Calorific Value	Kcal/SCM	8235.88
Real specific Gravity	-	0.6609
Molar Mass	g/mol	19.11
Compressibility Factor (15 °C/101.325 kPa)	-	0.9977
Wobbe Index (15 °C/101.325 kPa)	Kcal/SCM	10130.68

Results/Comments

- Results reported on Air free basis
- Analyzed as per ISO 6974.3 and Calorific value calculation done as per ISO 6976.


25.05.2022

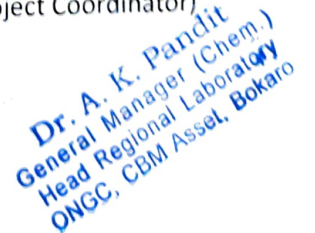
(Investigator)


25.05.2022

(Project Leader)


25/5/2022

(Project Coordinator)


Dr. A. K. Pandit
General Manager (Chem.)
Head Regional Laboratory
ONGC, CBM Asset, Bokaro