

Government of India
Ministry of Petroleum and Natural Gas
Economic & Statistics Division

New Delhi
Dated the 21st December, 2020

Monthly Production Report
November, 2020

1. Production of Crude Oil

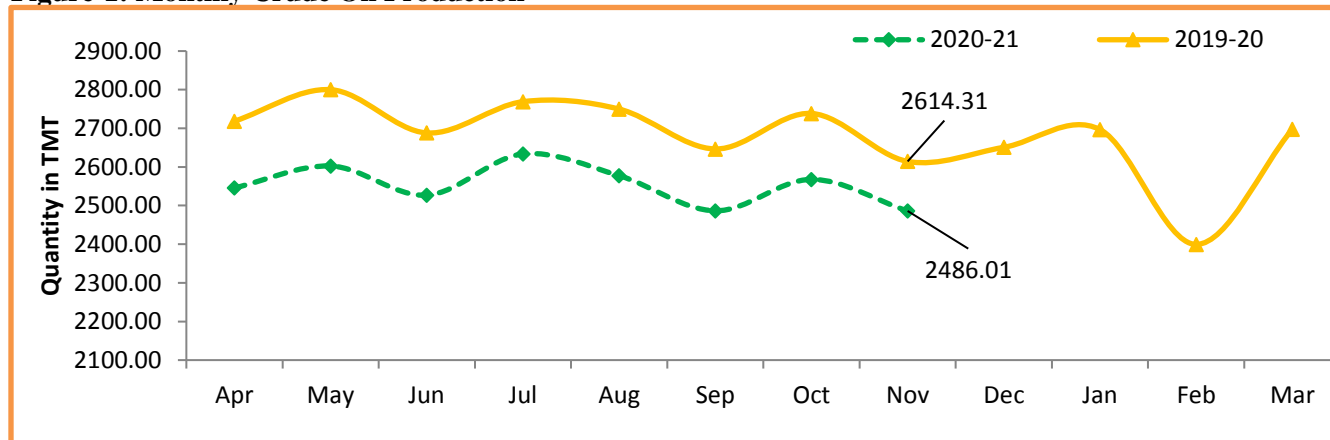
Crude oil production¹ during November, 2020 was 2486.01 TMT which is 7.25% lower than target and 4.91% lower when compared with November, 2019. Cumulative crude oil production during April-November, 2020 was 20426.50 TMT which is 5.28% and 5.98% lower than target for the period and production during corresponding period of last year respectively. Unit-wise and State-wise crude oil production is given at **Annexure-I**. Unit-wise crude oil production for the month of November, 2020 and cumulatively for the period April-November, 2020 vis-à-vis same period of last year has been shown in Table-1 and month-wise in **Figure-1**.

Table-1: Crude Oil Production (in TMT)

Oil Company	Target	November (Month)				April-November (Cumulative)			
	2020-21 (Apr-Mar)	2020-21		2019-20	% over last year	2020-21		2019-20	% over last year
		Target	Prod.*	Prod.		Target	Prod.*	Prod.	
ONGC	20931.54	1739.06	1647.62	1673.23	98.47	14022.87	13508.55	13638.31	99.05
OIL	3268.00	273.97	243.20	260.17	93.47	2115.91	1985.34	2147.01	92.47
PSC Fields	8265.00	667.41	595.19	680.91	87.41	5426.93	4932.62	5939.42	83.05
Total	32464.53	2680.44	2486.01	2614.31	95.09	21565.71	20426.50	21724.74	94.02

Note: 1. Target for the year 2020-21 is provisional, subject to finalization. *: Provisional
 2. Totals may not tally due to rounding off.

Figure-1: Monthly Crude Oil Production



¹Including condensate

Unit-wise production details with reasons for shortfall are as under:

1.1 Crude oil production by **ONGC** in nomination block during November, 2020 was 1647.62 TMT which is 5.26% lower than target and 1.53% lower when compared with November 2019. Cumulative crude oil production by ONGC during April-November, 2020 was 13508.55 TMT which is 3.67% and 0.95% lower than target for the period and production during corresponding period of last year respectively. Reasons for shortfall in production are as under:

- ❖ Production planned from WO-16 cluster could not be realized due to delay in MOPU (Sagar Samrat) as activities at GPC yard Abu Dhabi got affected due to COVID restrictions/lockdown
- ❖ Production planned from new wells in Ratna field affected due to non-availability of ESPs (electrical submersible pumps) for well completion due to implications of COVID-19
- ❖ New wells planned under Cluster-8 development project delayed due to toppling of D-30-2 platform jacket during installation and further delay in installation of new platforms due to COVID implications

1.2 Crude oil production by **OIL** in the nomination block during November, 2020 was 243.20 TMT which is 11.23% lower than the monthly target and 6.53% lower than the November, 2019. Cumulative crude oil production by OIL during April-November, 2020 was 1985.34 TMT which is 6.17% and 7.53% lower than target for the period and production during corresponding period of last year respectively. Reasons for shortfall in production are as under:

- ❖ Less than planned contribution from workover wells, drilling wells and old wells.
- ❖ Bandhs /blockade by local people and associations etc. after the Baghjan Blowout, protests/agitation etc.

1.3 Crude oil production by **Pvt/JVs** companies in the PSC (production sharing contract) regime during November, 2020 was 595.19 TMT which is lower by 10.82% than the monthly target and 12.59% lower than November, 2019. Cumulative crude oil production by Pvt/JVs companies during April-November, 2020 was 4932.62 TMT which is 9.11% and 16.95% lower than target for the period and production during corresponding period of last year respectively. Reasons for shortfall in production are as under:

- RJ-ON-90/1 (CEIL): (1) Mangla – Shortfall in production due to reasons inter-alia failure of hydraulic submersible pump, delay in hook up of new injectors (Mangala), delayed start-up of polymer injection (Aishwarya), high water cut (Saraswati), ceasing of flow (Guda).
- CB-ONN-2003/1 (ONGC): Production is less due to COVID-19 situation, rig mobilization got delayed resulting in Drilling of new wells and less crude offtake.
- CB-ONN-2004/2 (ONGC): Development wells could not be drilled as planned in Q1 & Q2 FY2020-21 respectively.
- CB-ONN-2000/1 (GSPC): Lower production due to reservoir issues and shut in of wells.

2. Production of Natural Gas

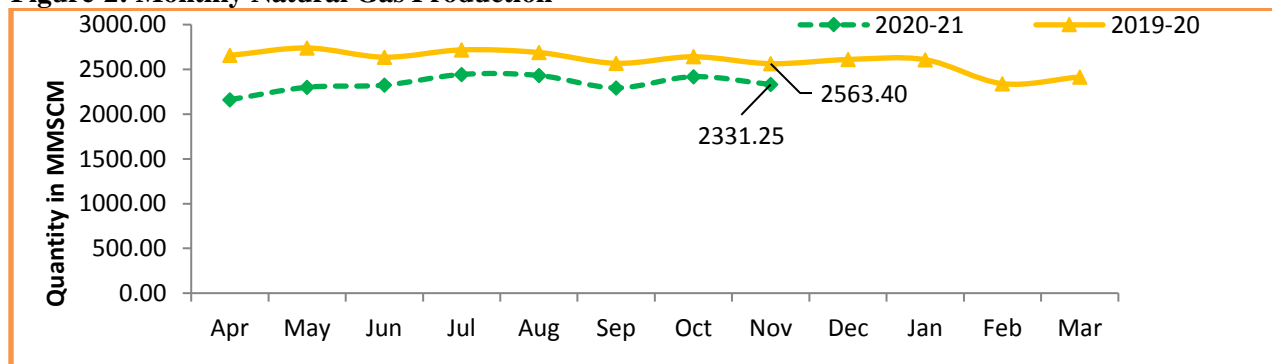
Natural gas production during November, 2020 was 2331.25 MMSCM which is 20.56% lower than the monthly target and 9.06% lower when compared with November, 2019. Cumulative natural gas production during April-November, 2020 was 18704.02 MMSCM which is 14.79% and 11.81% lower than target for the period and production during corresponding period of last year respectively. Unit-wise and state-wise natural gas production is given at **Annexure-II**. Unit-wise natural gas production for the month of November, 2020 and cumulatively for the period April-November, 2020 vis-à-vis same period of last year has been shown in Table-2 and month-wise in Figure-2.

Table-2: Natural Gas Production (in MMSCM)

Oil Company	Target	November (Month)				April-November (Cumulative)			
	2020-21 (Apr-Mar)	2020-21		2019-20	% over last year	2020-21		2019-20	% over last year
		Target	Prod.*	Prod.		Target	Prod.*	Prod.	
ONGC	24437.08	2005.53	1823.53	1893.85	96.29	16299.03	14686.59	15919.91	92.25
OIL	3181.54	276.29	203.91	228.20	89.36	2126.41	1668.20	1851.81	90.08
PSC Fields	6826.82	652.73	303.81	441.36	68.84	3524.72	2349.23	3437.85	68.33
Total	34445.44	2934.54	2331.25	2563.40	90.94	21950.17	18704.02	21209.56	88.19

Note: 1. Target for the year 2020-21 is provisional, subject to finalization. *: Provisional
2. Totals may not tally due to rounding off.

Figure-2: Monthly Natural Gas Production



2.1 Natural gas production by **ONGC** in the nomination blocks during November, 2020 was 1823.53 MMSCM which is 9.07% lower than target and 3.71% lower when compared with November 2019. Cumulative natural gas production by ONGC during April-November, 2020 was 14686.59 MMSCM which is 9.89% and 7.75% lower than target for the period and production during corresponding period of last year respectively. Reasons for shortfall in production are as under:

- ❖ Closure of Gas wells in western offshore due to Hazira Plant shutdown on 24.09.20 and subsequent normalization.
- ❖ Less Gas production from WO16 cluster due to delay in Mobile Offshore Production Unit (MOPU) and non-realization of gain planned from new subsea wells in Bassein field due to delay in subsea umbilical connections/hook up jobs in view of Covid-19 implications.
- ❖ Less than planned production from Vasishta/S1 wells in EOA (Eastern Offshore Assets) due certain reservoir related issues.

2.2 Natural gas production by **OIL** in the nomination block during November, 2020 was 203.91 MMSCM which is 26.20% lower than monthly target and 10.64% lower than November, 2019. Cumulative natural gas production by OIL during April-November, 2020 was 1668.20 MMSCM which is 21.55% and 9.92% lower than target for the period and production during corresponding period of last year respectively. Reasons for shortfall in production are as under:

- ❖ Low upliftment/demand of gas by the major customers.
- ❖ Bandhs /blockade by local people and associations etc. after the Baghjan Blowout, protests/agitation etc.

2.3 Natural gas production by **Pvt/JVs** companies in the PSC (production sharing contracts) regime during November, 2020 was 303.81 MMSCM which is 53.46% lower than monthly target and 31.16% lower than November, 2019. Cumulative natural gas production by Pvt/JVs during April-November, 2020 was 2349.23MMSCM which is 33.35% and 31.67% lower than target for the period and production during corresponding period of last year respectively. Reasons for shortfall in production are as under:

- ❖ KG-DWN-98/3 (RIL): Impact of COVID on project progress of R-Series D-34 field of KG-DWN-98/3 and efforts are being made for its start-up.
- ❖ RJ-ON/6 (FEL): Reduced gas offtake by Power Plant customer with Gas turbine in shut down.
- ❖ RJ-ON-90/1 (CEIL): RDG - Delay in new RDG plant start up due to Covid-19.
- ❖ KG-DWN-98/2 (ONGC): Well U3-B is producing less than the estimated profile and well is flowing with lower choke due to increase in water cut.
- ❖ Raniganj East (ESSAR): Production curtailed due delay in GAIL Pipeline & limited sales off-take and to avoid flaring.

3. Crude Oil Processed (Crude Throughput)

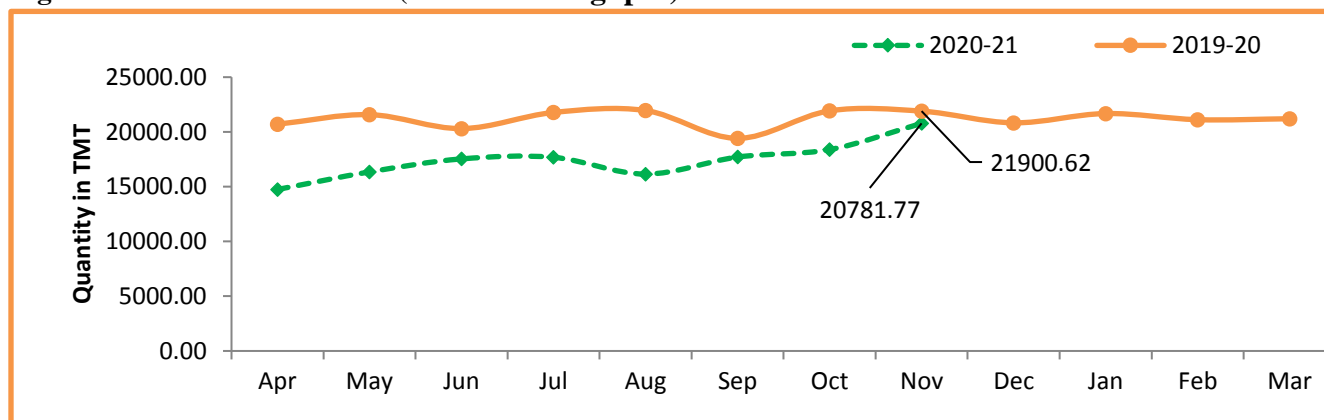
Crude Oil Processed during November, 2020 was 20781.77TMT which is 1.57% higher than the target for the month but 5.11% lower when compared with November, 2019. Cumulative crude throughput during April-November, 2020 was 139337.10 TMT which is 15.94% and 17.82% lower than target for the period and crude throughput during corresponding period of last year respectively. Refinery-wise details of the crude throughput and capacity utilization during the month of November, 2020 vis-à-vis November, 2019 are given at **Annexure-III and Annexure-IV**. Company-wise crude throughput for the month of November, 2020 and cumulatively for the period April-November, 2020 vis-à-vis same period of last year has been shown in Table-3 and month-wise in Figure-3.

Table 3: Crude Oil Processed (Crude Throughput) (in TMT)

Oil Company	Target	November (Month)				April-November (Cumulative)			
	2020-21 (Apr-Mar)	2020-21		2019-20	% over last year	2020-21		2019-20	% over last year
		Target	Prod.*	Prod.		Target	Prod.*	Prod.	
CPSE	148031.12	12223.69	12191.32	12572.54	96.97	96410.26	77587.58	96230.25	80.63
IOCL	72499.86	6049.23	6209.68	6090.08	101.96	47700.91	38771.00	46952.98	82.57
BPCL	30499.95	2629.42	2584.71	2700.98	95.70	20518.21	15365.83	20585.96	74.64
HPCL	17867.47	1067.63	1419.24	1520.37	93.35	11175.45	10741.22	11393.18	94.28
CPCL	9000.00	900.00	729.45	788.63	92.50	5370.00	4838.02	6688.48	72.33
NRL	2700.00	222.00	230.12	118.71	193.85	1804.00	1730.72	1759.48	98.37
MRPL	15400.00	1350.00	1011.44	1346.26	75.13	9800.00	6089.40	8791.63	69.26
ONGC	63.83	5.42	6.69	7.53	88.82	41.69	51.39	58.55	87.78
JVs	14772.00	640.00	1631.92	1730.29	94.31	9175.00	10871.81	13141.41	82.73
BORL	7800.00	640.00	593.93	657.83	90.29	5200.00	3666.24	5103.57	71.84
HMEL	6972.00	0.00	1038.00	1072.46	96.79	3975.00	7205.57	8037.85	89.65
Private	89515.16	7597.78	6958.53	7597.78	91.59	60183.37	50877.70	60183.37	84.54
RIL	68894.99	5939.81	5482.03	5939.81	92.29	46340.49	39922.60	46340.49	86.15
NEL	20620.18	1657.97	1476.50	1657.97	89.05	13842.89	10955.10	13842.89	79.14
TOTAL	252318.28	20461.47	20781.77	21900.62	94.89	165768.63	139337.10	169555.04	82.18

Note: 1. Target for the year 2020-21 is provisional, subject to finalization. *: Provisional
2. Totals may not tally due to rounding off.

Figure 3: Crude Oil Processed (Crude Throughput)



3.1 CPSE Refineries' crude oil processed during November, 2020 was 12191.32 TMT which is marginally lower by 0.26% than the target for the month and 3.03% lower when compared with November, 2019. Cumulative crude throughput by CPSE refineries during April-November, 2020 was 77587.58TMT which is 19.52% and 19.37% lower than target for the period and crude throughput during corresponding period of last year respectively. Reasons for shortfall in production are as under:

- ❖ IOCL-Koyali & Mathura: Crude processed regulated for low product demand due to COVID impact.
- ❖ IOCLK-Digboi: Crude processed lower due to planned shutdown deferred.
- ❖ BPCL-Kochi: Crude processed lower due to emergency shutdown of VGO Hydro-treater Unit.
- ❖ HPCL-Mumbai: Crude processed lower due to unplanned shutdown of secondary units.
- ❖ CPCL-Manali & MRPL-Mangalore: Crude processed lower due to Lower demand due to impact of COVID-19 lockdown.
- ❖ NRL-Numaligarh: Crude processed lower due to in line with domestic allocation.

3.2 JV refineries' crude oil processed during November, 2020 was 1631.92TMT which is 154.99% higher than the target for the month but 5.69% lower when compared with November, 2019. Cumulative crude throughput during April-November, 2020 was 10871.81 TMT which is 18.49% higher than target for the period but 17.27% lower when compare with the corresponding period of last year respectively.

3.3 Private refineries' crude oil processed during November, 2020 was 6958.53TMT which is 8.41% lower than the corresponding month of last year. Cumulative crude throughput during April-November, 2020 was 50877.70 TMT which is 15.46% lower than the corresponding period of last year.

4. Production of Petroleum Products

Production of Petroleum Products during November, 2020 was 21425.49 TMT which is 1.79% higher than the target for the month but 4.83% lower when compared with November, 2019. Cumulative production during April-November, 2020 was 147590.55 TMT which is 12.89% and 14.87% lower than target for the period and production during corresponding period of last year respectively. Unit-wise production of petroleum products is given at **Annexure-V**. Company-wise production for the month of November, 2020 and cumulatively for the period April-November, 2020 vis-à-Vis same period of last year has been shown in Table-4 and month-wise in Figure-4.

4.1 Production of petroleum Products by Oil's Refineries during November, 2020 was 21047.82 TMT which is 1.93% higher than the target for the month but 4.82% lower when compared with November, 2019. Cumulative production of petroleum products by refineries during April-November, 2020 was 144762.79 TMT which is 12.96% and 14.94% lower than target for the period and production during corresponding period of last year respectively.

4.2 Production of petroleum Products by **Fractionators** during November, 2020 was 377.68 TMT which is 5.67% lower than the target for the month and 5.73% lower when compared with November, 2019. Cumulative production by Fractionators during April-November, 2020 was 2827.76 TMT which is 9.13% and 11.12% lower than target for the period and production during corresponding period of last year respectively.

Table 4: Production of Petroleum Products (TMT)

Oil Company	Target	November (Month)				April-November (Cumulative)			
	2020-21 (Apr-Mar)	2020-21		2019-20	% over last year	2020-21		2019-20	% over last year
		Target	Prod.*	Prod.		Target	Prod.*	Prod.	
CPSE	139203.86	11496.63	11512.94	11860.20	97.07	90701.66	73499.48	90669.39	81.06
IOCL	68912.87	5747.30	5899.48	5810.17	101.54	45335.10	37164.70	44640.70	83.25
BPCL	28965.13	2501.41	2474.28	2603.91	95.02	19501.93	14752.21	19517.69	75.58
HPCL	16438.97	976.36	1336.30	1369.33	97.59	10278.97	10003.08	10556.45	94.76
CPCL	8278.87	835.00	690.61	705.09	97.95	4910.99	4447.30	6128.25	72.57
NRL	2660.91	218.71	239.74	111.13	215.74	1778.80	1758.40	1698.07	103.55
MRPL	13887.11	1212.76	866.12	1253.50	69.10	8856.69	5324.51	8073.61	65.95
ONGC	60.00	5.10	6.42	7.08	90.65	39.19	49.28	54.63	90.21
JVs	13590.40	570.92	1495.05	1670.89	89.48	8421.60	10107.24	12333.57	81.95
BORL	6958.40	570.92	531.43	608.03	87.40	4639.60	3191.20	4671.42	68.31
HMEL	6632.00	0.00	963.62	1062.86	90.66	3782.00	6916.05	7662.15	90.26
Private	102154.50	8581.66	8039.83	8581.66	93.69	67185.50	61156.07	67185.50	91.03
RIL	82374.12	7042.15	6536.54	7042.15	92.82	53958.26	50562.50	53958.26	93.71
NEL	19780.38	1539.50	1503.28	1539.50	97.65	13227.24	10593.57	13227.24	80.09
Total Refinery	254948.76	20649.21	21047.82	22112.74	95.18	166308.77	144762.79	170188.47	85.06
Fractionators	4572.73	400.36	377.68	400.62	94.27	3111.84	2827.76	3181.64	88.88
TOTAL	259521.49	21049.57	21425.49	22513.36	95.17	169420.61	147590.55	173370.11	85.13

Note: 1. Target for the year 2020-21 is provisional, subject to finalization. *: Provisional
2. Totals may not tally due to rounding off.

Figure 4: Monthly Refinery Production of Petroleum Products

