



No.: CHT/ED/06/2682

03.02.2021

Sub: Rajya Sabha Provisionally Admitted Starred/Unstarred : Diary No: U1481 dated 01.02.2021 to be answered on 10.02.2021 regarding Capacity of Oil Refineries

Q (a) The Oil refinery-wise details of quantity of Crude Oil processed by the various oil refineries of various oil companies till date, during the last three years ;

Reply(a) : At present total 23 number of oil refineries are functioning in the country. The Crude Oil processed by various oil refineries of various oil companies, during the last three years as well as during the current year till Dec'20 is given below:

(All figs in '000 Metric Tonnes)

REFINERIES	2017-18	2018-19	2019-20	2020-21(P) Apr-Dec'20
PUBLIC SECTOR (PSU)				
IOC, Digboi	666	676	664	502
IOC, Guwahati	1024	863	892	590
IOC, Koyali	13811	13505	13075	8560
IOC, Barauni	5819	6661	6516	3793
IOC, Haldia	7655	7965	6463	4714
IOC, Mathura	9240	9737	8948	6389
IOC, Panipat	15654	15281	15038	9622
IOC, Bongaigaon	2402	2513	2045	1814
IOC, Paradip	12730	14616	15778	8776
IOC, Total	69001	71816	69419	44760
HPC, Mumbai	8641	8671	8065	5379
HPC, Visakh	9635	9773	9115	6647
HPC, Total	18276	18444	17180	12026
BPC, Mumbai	14054	14773	15017	8980
BPC, Kochi	14095	16051	16515	8915
BPC, Total	28149	30823	31532	17895
CPCL, Manali	10289	10271	10161	5604
CPCL, Cauvery Basin Refinery (CBR)	500	423	0	0
CPCL, Total	10789	10695	10161	5604
NRL, Numaligarh	2809	2900	2383	1991
ONGC, Tatipaka	80	66	87	59
MRPL, Mangalore	16130	16231	13953	7396
ONGC TOTAL	16209	16297	14040	7455
TOTAL PSU	145234	150976	144716	89731
Joint Venture (JV)/Private Sector				
BORL-Bina	6708	5716	7913	4292
HMEL, GGSR, Bathinda	8830	12473	12242	8232
RIL, Jamnagar	33153	31752	33019	25680
RPL (SEZ), Jamnagar	37317	37393	35876	19930
Nayara Energy Ltd (Formerly Essar Oil) Vadinar	20693	18896	20620	12499
JVC/PVT Total	106701	106229	109670	70633
ALL INDIA TOTAL	251935	257205	254386	160364

Source: PPAC ; (P) : Provisional ; Note : Operation of Cauvery Basin Refinery (CBR) of CPCL has been stopped since 1.4.2019 and a new refinery of 9 MMTPA has been planned



Q (b) The company-wise details of the utilization of Oil refining capacity of various oil refineries and whether they have utilized their installed capacity; and

Reply (b): The Company-wise details of the utilization of Oil refining capacity of various oil refineries during the last three years (2017-18 to 2019-20) are furnished below:

(All figs in '000 Metric Tonnes))

	Installed Refining Capacity as on	Actual Crude Processing	% Capacity Utilisation	Installed Refining Capacity as on	Actual Crude Processing	% Capacity Utilisation	Installed Refining Capacity as on	Actual Crude Processing	% Capacity Utilisation
REFINERIES	1.04.2017	2017-18	2017-18	1.04.2018	2018-19	2018-19	1.04.2019	2019-20	2019-20
PUBLIC SECTOR (PSU)									
IOC, Digboi	650	666	102%	650	676	104%	650	664	102%
IOC, Guwahati	1000	1024	102%	1000	863	86%	1000	892	89%
IOC, Koyali	13700	13811	101%	13700	13505	99%	13700	13075	95%
IOC, Barauni	6000	5819	97%	6000	6661	111%	6000	6516	109%
IOC, Haldia	7500	7655	102%	7500	7965	106%	7500	6463	86%
IOC, Mathura	8000	9240	116%	8000	9737	122%	8000	8948	112%
IOC, Panipat	15000	15654	104%	15000	15281	102%	15000	15038	100%
IOC, Bongaigaon	2350	2402	102%	2350	2513	107%	2350	2045	87%
IOC, Paradip	15000	12730	85%	15000	14616	97%	15000	15778	105%
IOC, Total	69200	69001	100%	69200	71816	104%	69200	69419	100%
HPC, Mumbai	7500	8641	115%	7500	8671	116%	7500	8065	108%
HPC, Visakh	8300	9635	116%	8300	9773	118%	8300	9115	110%
HPC, Total	15800	18276	116%	15800	18444	117%	15800	17180	109%
BPC, Mumbai	12000	14054	117%	12000	14773	123%	12000	15017	125%
BPC, Kochi	12400	14095	114%	15500	16051	104%	15500	16515	107%
BPC, Total	24400	28149	115%	27500	30823	112%	27500	31532	115%
CPCL, Manali	10500	10289	98%	10500	10271	98%	10500	10161	97%
CPCL, CBR	1000	500	50%	1000	423	42%	1000	0	0%
CPCL, Total	11500	10789	94%	11500	10695	93%	11500	10161	88%
NRL, Numaligarh	3000	2809	94%	3000	2900	97%	3000	2383	79%
ONGC, Tatipaka	66	80	121%	66	66	100%	66	87	132%
MRPL, Mangalore	15000	16130	108%	15000	16231	108%	15000	13953	93%
ONGC TOTAL	15066	16209	108%	15066	16297	108%	15066	14040	93%
TOTAL PSU	138966	145234	105%	142066	150976	106%	142066	144716	102%
Joint Venture (JV)/Private Sector									
BORL-Bina	6000	6708	112%	6000	5716	95%	7800	7913	101%
HMEL, Bathinda	9000	8830	98%	11300	12473	110%	11300	12242	108%
RIL-DTA, Jamnagar	33000	33153	100%	33000	31752	96%	33000	33019	100%
RIL-SEZ, Jamnagar	27000	37317	138%	35200	37393	106%	35200	35876	102%
Nayara Energy, Vadinar	20000	20693	103%	20000	18896	94%	20000	20620	103%
JV/PVT Total	95000	106701	112%	105500	106229	101%	107300	109670	102%
ALL INDIA TOTAL	233966	251935	108%	247566	257205	104%	249366	254386	102%

Source: PPAC; (P) : Provisional ;

Note : Lower Capacity Utilisation of Cauvery Basin Refinery (CBR) of CPCL is mainly due to constraints in meeting BS-IV Specification since 1.4.2017. The Refinery has been stopped since 1.4.2019 due to constraint in meeting product specification and to carry out project activities for new 9 MMTPA refinery, planned by CPCL.

As can be seen from above table, the overall capacity utilization of Indian Refining sector including both Public Sector as well as Joint Venture/Private Sector during the last three years were more than 100%.



The reasons for shortfall in capacity utilization for some of the refineries during the last three years are mainly on account of various planned shutdowns including implementation of BS-VI quality upgradation projects. Further, lower availability of indigenous Crude also affected the Crude Processing for NRL, IOC-Bongaigaon and IOC-Gujarat Refinery. Crude processing at MRPL was affected due to water scarcity during summer and unprecedented rainfall during monsoon.

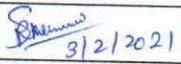
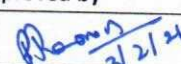
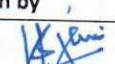
Capacity utilization during current FY 2020-21 upto Q-3 i.e. Apr-Dec'2020 is furnished below :

('000 Metric Tonnes)

REFINERIES	Installed Refining Capacity as on 1.04.2020	Prorata Installed capacity Apr-Dec'20	Actual Crude Processing Apr-Dec'20 (P)	% Capacity Utilisation Apr-Dec'20
PUBLIC SECTOR (PSU)				
IOC, Digboi	650	490	502	103%
IOC, Guwahati	1000	753	590	78%
IOC, Koyali	13700	10322	8560	83%
IOC, Barauni	6000	4521	3793	84%
IOC, Haldia	8000	6027	4714	78%
IOC, Mathura	8000	6027	6389	106%
IOC, Panipat	15000	11301	9622	85%
IOC, Bongaigaon	2350	1771	1814	102%
IOC, Paradip	15000	11301	8776	78%
IOC, Total	69700	52514	44760	85%
HPC, Mumbai	7500	5651	5379	95%
HPC, Visakh	8300	6253	6647	106%
HPC, Total	15800	11904	12026	101%
BPC, Mumbai	12000	9041	8980	99%
BPC, Kochi	15500	11678	8915	76%
BPC, Total	27500	20719	17895	86%
CPCL, Manali	10500	7911	5604	71%
CPCL, CBR	0	0	0	NA
CPCL, Total	10500	7911	5604	71%
NRL, Numaligarh	3000	2260	1991	88%
ONGC, Tatipaka	66	50	59	119%
MRPL, Mangalore	15000	11301	7396	65%
ONGC TOTAL	15066	11351	7455	66%
TOTAL PSU	141566	10659	89731	84%
Joint Venture (JV)/Private Sector				
BORL-Bina	7800	5877	4292	73%
HMEL, Bathinda	11300	8514	8232	97%
RIL-DTA, Jamnagar	33000	24863	25680	103%
RIL-SEZ, Jamnagar	35200	26521	19930	75%
Nayara Energy	20000	15068	12499	83%
JVC/PVT Total	107300	80842	70633	87%
ALL INDIA TOTAL	248866	187502	160364	86%

Source: PPAC; (P) : Provisional ;

Low Capacity utilization in the current FY 2020-21 (till Dec'20) is due to COVID-19 impact.

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