

**REVENUE ITEMS PROCUREMENT PROJECTIONS FOR NEXT 05 YEARS**

Name of the Organisation: **Numaligarh Refinery Limited**

Website Link: [https://www.nrl.co.in/UPLOAD/LeftMenuFile/NRL\\_Rev\\_Proc\\_Plan\\_5\\_Years.pdf](https://www.nrl.co.in/UPLOAD/LeftMenuFile/NRL_Rev_Proc_Plan_5_Years.pdf)

Ministry / Department: **Ministry of Petroleum and Natural Gas**

**FY 2021-2022**

Sr. No.	Description of Item	Broad Specification Parameters	Qty.	Accounting Units	Estimated Value of Procurement INR (Lac.)
1	Toluene, ASTM RF Grade	Toluene, Reference Fuel grade, shall be no less than 99.5% by volume pure. Peroxide number shall not exceed 5 mg per kg.(pppm). Water content shall not exceed 200 mg per kg.	360	KG	2.082
2	Octane 80 Blend	80 Octane PRF Blend, prepared using reference fuel of fuel grade Iso octane (2,2,4-trimethylpentane) and n-heptane shall contain 80+/-0.1% volume iso octane.	280	KG	2.126
3	n-heptane, ASTM RF Grade	n-Heptane shall be no less than 99.75% by volume pure, contain no more than 0.10% by volume isooctane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	280	KG	2.018
4	Isooctane, ASTM RF Grade	Isooctane (2,2,4-trimethylpentane) shall be no less than 99.75 % by volume pure, contain no more than 0.10 % by volume n-heptane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	336	KG	1.91
5	T-Fuel	T Fuel—fuel with a CN-ARV typically in the range of 73 to 75, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
6	U-Fuel	U-Fuel—fuel with a CN-ARV typically in the range of 20 to 22, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
7	Low Cetane Check Fuel	fuel with a CN-ARV typically in the range of 38 to 42, conforming to ASTM D -613 calibration criteria.	70	KG	1.472
8	High Cetane Check Fuel	fuel with a CN-ARV typically in the range of 50 to 55, conforming to ASTM D -613 calibration criteria.	70	KG	1.472

**FY 2022-2023**

Sr. No.	Description of Item	Broad Specification Parameters	Qty.	Accounting Units	Estimated Value of Procurement INR (Lac.)
1	Toluene, ASTM RF Grade	Toluene, Reference Fuel grade, shall be no less than 99.5% by volume pure. Peroxide number shall not exceed 5 mg per kg.(ppm). Water content shall not exceed 200 mg per kg.	360	KG	2.082
2	Octane 80 Blend	80 Octane PRF Blend, prepared using reference fuel of fuel grade Iso octane (2,2,4-trimethylpentane) and n-heptane shall contain 80+/-0.1% volume iso octane.	280	KG	2.126
3	n-heptane, ASTM RF Grade	n-Heptane shall be no less than 99.75% by volume pure, contain no more than 0.10% by volume isooctane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	280	KG	2.018
4	Isooctane, ASTM RF Grade	Isooctane (2,2,4-trimethylpentane) shall be no less than 99.75 % by volume pure, contain no more than 0.10 % by volume n-heptane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	336	KG	1.91
5	T-Fuel	T Fuel—fuel with a CN-ARV typically in the range of 73 to 75, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
6	U-Fuel	U-Fuel—fuel with a CN-ARV typically in the range of 20 to 22, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
7	Low Cetane Check Fuel	fuel with a CN-ARV typically in the range of 38 to 42, conforming to ASTM D -613 calibration criteria.	70	KG	1.472
8	High Cetane Check Fuel	fuel with a CN-ARV typically in the range of 50 to 55, conforming to ASTM D -613 calibration criteria.	70	KG	1.472

**FY 2023-2024**

Sr. No.	Description of Item	Broad Specification Parameters	Qty.	Accounting Units	Estimated Value of Procurement INR (Lac.)
1	Toluene, ASTM RF Grade	Toluene, Reference Fuel grade, shall be no less than 99.5% by volume pure. Peroxide number shall not exceed 5 mg per kg.(ppm). Water content shall not exceed 200 mg per kg.	360	KG	2.082
2	Octane 80 Blend	80 Octane PRF Blend, prepared using reference fuel of fuel grade Iso octane (2,2,4-trimethylpentane) and n-heptane shall contain 80+/-0.1% volume iso octane.	280	KG	2.126
3	n-heptane, ASTM RF Grade	n-Heptane shall be no less than 99.75% by volume pure, contain no more than 0.10% by volume isooctane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	280	KG	2.018
4	Isooctane, ASTM RF Grade	Isooctane (2,2,4-trimethylpentane) shall be no less than 99.75 % by volume pure, contain no more than 0.10 % by volume n-heptane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	336	KG	1.91
5	T-Fuel	T Fuel—fuel with a CN-ARV typically in the range of 73 to 75, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
6	U-Fuel	U-Fuel—fuel with a CN-ARV typically in the range of 20 to 22, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
7	Low Cetane Check Fuel	fuel with a CN-ARV typically in the range of 38 to 42, conforming to ASTM D -613 calibration criteria.	70	KG	1.472
8	High Cetane Check Fuel	fuel with a CN-ARV typically in the range of 50 to 55, conforming to ASTM D -613 calibration criteria.	70	KG	1.472

**FY 2025-2026**

Sr. No.	Description of Item	Broad Specification Parameters	Qty.	Accounting Units	Estimated Value of Procurement INR (Lac.)
1	Toluene, ASTM RF Grade	Toluene, Reference Fuel grade, shall be no less than 99.5% by volume pure. Peroxide number shall not exceed 5 mg per kg.(ppm). Water content shall not exceed 200 mg per kg.	360	KG	2.082
2	Octane 80 Blend	80 Octane PRF Blend, prepared using reference fuel of fuel grade Iso octane (2,2,4-trimethylpentane) and n-heptane shall contain 80+/-0.1% volume iso octane.	280	KG	2.126
3	n-heptane, ASTM RF Grade	n-Heptane shall be no less than 99.75% by volume pure, contain no more than 0.10% by volume isooctane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	280	KG	2.018

4	Isooctane, ASTM RF Grade	Isooctane (2,2,4-trimethylpentane) shall be no less than 99.75 % by volume pure, contain no more than 0.10 % by volume n-heptane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	336	KG	1.91
5	T-Fuel	T Fuel—fuel with a CN-ARV typically in the range of 73 to 75, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
6	U-Fuel	U-Fuel—fuel with a CN-ARV typically in the range of 20 to 22, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
7	Low Cetane Check Fuel	fuel with a CN-ARV typically in the range of 38 to 42, conforming to ASTM D -613 calibration criteria.	70	KG	1.472
8	High Cetane Check Fuel	fuel with a CN-ARV typically in the range of 50 to 55, conforming to ASTM D -613 calibration criteria.	70	KG	1.472

**FY 2026-2027**

Sr. No.	Description of Item	Broad Specification Parameters	Qty.	Accounting Units	Estimated Value of Procurement INR (Lac.)
1	Toluene, ASTM RF Grade	Toluene, Reference Fuel grade, shall be no less than 99.5% by volume pure. Peroxide number shall not exceed 5 mg per kg.(ppm). Water content shall not exceed 200 mg per kg.	360	KG	2.082
2	Octane 80 Blend	80 Octane PRF Blend, prepared using reference fuel of fuel grade Iso octane (2,2,4-trimethylpentane) and n-heptane shall contain 80+/-0.1% volume iso octane.	280	KG	2.126
3	n-heptane, ASTM RF Grade	n-Heptane shall be no less than 99.75% by volume pure, contain no more than 0.10% by volume isooctane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	280	KG	2.018
4	Isooctane, ASTM RF Grade	Isooctane (2,2,4-trimethylpentane) shall be no less than 99.75 % by volume pure, contain no more than 0.10 % by volume n-heptane, and contain no more than 0.5 mg/L (0.002g/ U.S. gal) of lead.	336	KG	1.91
5	T-Fuel	T Fuel—fuel with a CN-ARV typically in the range of 73 to 75, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
6	U-Fuel	U-Fuel—fuel with a CN-ARV typically in the range of 20 to 22, conforming to ASTM D -613 calibration criteria.	64	KG	2.378
7	Low Cetane Check Fuel	fuel with a CN-ARV typically in the range of 38 to 42, conforming to ASTM D -613 calibration criteria.	70	KG	1.472
8	High Cetane Check Fuel	fuel with a CN-ARV typically in the range of 50 to 55, conforming to ASTM D -613 calibration criteria.	70	KG	1.472