

**ODISHA ELECTRICITY REGULATORY COMMISSION
BIDYUT NIYAMAK BHAWAN
PLOT NO.-4, CHUNUKOLI, SHAILASHREE VIHAR
BHUBANESWAR - 751 021**

**Present: Shri U. N. Behera, Chairperson
 Shri S. K. Parhi, Member**

Case No. 21/2019

M/s. NALCO Ltd.	Petitioner
Vrs.		
OPTCL	Respondent

In the matter of: **An application under Section 86 (1) (k) of the Electricity Act, 2003 read with Regulation 112 of OERC Distribution (Conditions of Supply) Code, 2004 for supply of power at 132 KV network for a period of two months after switching over power supply to 220KV transmission line from Laxmipur Sub-station to NALCO M&R Complex.**

For Petitioner: Mr. M. K. Rajguru, Advocate on behalf of M/s. NALCO,

For Respondent: Shri Biswaranjan Mishra, GM (RT & C), OPTCL.

ORDER

Date of hearing: 09.07.2019

Date of order: 23.07.2019

The petitioner M/s. NALCO Ltd. has filed the application under Section 86 (1) (k) of the Electricity Act, 2003 read with Regulation 112 of OERC Distribution (Conditions of Supply) Code, 2004, seeking permission for availing power supply simultaneously through 132 kV line (from Jayanagar) and 220 kV double circuit line (from Laxmipur) for a period of minimum two months.

2. The petitioner has submitted that at present it avails power supply to its Damanjodi plant at 132 kV level through two feeders from Jayanagar Grid namely Jayanagar-Damanjodi line and Jayanagar-Sunabeda-Damanjodi line. Permitted quantum of power through the second line was around 10 to 15 MW only, which was not sufficient to meet its requirement. The first one i.e. Jayanagar-Damanjodi line is very old and overdependence on this line results in power outages causing loss of production in its plant. Further, its load demand has increased due to the expansion of plant. Therefore, after discussion with OPTCL, M/s. NALCO, M/s. Utkal Alumina and M/s. Aditya Alumina have constructed switching station at Laxmipur 220/33 kV Substation on one-third cost sharing basis, to have connectivity at 220 kV voltage level from this switching station. In the mean time M/s. NALCO has completed the job of 220 kV D/C

line from this switching station to its plant premises and also obtained approval from CEA on 27.02.2019 for charging of this D/C line.

3. The petitioner further submitted that after obtaining approval from CEA, they have requested OPTCL for charging of the lines and OPTCL, vide its letter dated 25.04.2019, has also accorded necessary permission for idle/no load charging of the said D/C line subject to compliance and acceptance of the terms and conditions stipulated in the said letter. One of the conditions of OPTCL is that the present connectivity from Jayanagar to Damanjodi at 132 kV level will be withdrawn once the proposed connectivity at 220 kV is established. This issue was raised by OPTCL in view of Clause 28 of OERC (Conditions of Supply) Code, 2004 which stipulates that, *“unless otherwise agreed to, the supply shall be at single point at the outgoing terminals of the licensee, i.e x x x x x x”*. The petitioner stated that the newly installed system at 220 kV voltage level has not yet been charged and after charging from Laxmipur S/S, it will take some time for stabilization. In case the 132 kV supply is withdrawn the plant activities may suffer irreparable loss due to sudden non-availability of power during stabilization period and also other unexpected eventualities may happen in the system during this period. The petitioner submitted that the operation of its plant need continuous power supply failing which it may cause huge loss to the plant as well as to the environment.
4. The petitioner has submitted that under similar circumstances the Commission vide its order dated 13.02.2019 in Case No. 61/2018 have allowed M/s. Tata Steel Ltd., Jajpur to avail power supply from new Duburi Grid S/S both at 220 kV and 400 kV for a period of two months for stabilization of its new 400 kV system.
5. In view of the above, the petitioner has prayed the Commission to allow him for availing power supply to its plant at Damanjodi both through 132 kV lines from Jayanagar and through 220 kV D/C line from Laxmipur S/S simultaneously for a period of minimum two months during stabilization of the new 220 kV system.
6. Apart from the above, the petitioner has prayed the Commission to allow for retaining the existing 132 kV Jayanagar-Damanjodi line with idle charging even after the stabilization period of two months. The petitioner stated that after drawal of power from Laxmipur through new 220 kV D/C lines, if the existing 132 kV backup system from Jayanagar is not available, its plant may suffer at the time of long duration grid failures, natural calamities etc. Overall reliability of grid power shall increase, only if 132 kV backup system is made available. There will not be any technical difficulties for

keeping both the system energised. The existing 132 kV line from Jayanagar may be kept as stand by for use during an emergency situation without affecting the normal operation of plant. However, the petitioner stated that, if required the other 132 kV line from Sunabeda to Damanjodi may be dismantled by OPTCL.

7. The respondent OPTCL submitted that connectivity at both the voltage levels may not be allowed as per clause 28 of OERC Regulations on supply of power. However, OPTCL has no objection for keeping the existing 132 kV power supply as stand by for a maximum period of 2 months from the date of energisation of 220 kV power supply from Laxmipur Grid Sub-station treating this as a special case. Power supply in 132 kV should only be availed in the event of exigencies/outage of 220 kV power supply during the period of energisation of 220 kV system. In no case M/s. NALCO shall be allowed to draw power simultaneously at both voltage levels. M/s. NALCO should take care of all possible contingencies anticipated during the transition period of 2 months for switching from 132 kV to 220 kV level.
8. Regarding M/s. NALCO's prayers to retain the existing 132 kV Jayanagar-Damanjodi line as alternative power supply system, OPTCL submitted that as per OERC regulation, power supply at two voltage levels is not permissible. If this is allowed to M/s. NALCO, other consumers may also come up with similar proposals which will pose operational issues. OPTCL suggested that for providing reliable power supply to M/s. NALCO's process plant at Damanjodi, M/s. NALCO should become a consumer of DISCOM to avail power supply at 132 kV level in addition to the supply at 220 kV level.
9. Heard the parties at length and their written notes of submission are taken into records. The Commission observed that as per Clause 28 of OERC (Conditions of Supply) Code, 2004 which stipulates that, "*unless otherwise agreed to, the supply shall be at single point at the outgoing terminals of the licensee, i.e x x x x x x*". In the present case, OPTCL has agreed for supply of power to M/s. NALCO at its plant at Damanjodi both at 132 kV and 220 kV level for a maximum period of two months for stabilisation of newly constructed 220 kV system of M/s. NALCO. The Commission vide its order dated 13.02.2019 in Case No. 61/2018, in a similar situation had allowed M/s. Tata Steel Limited, Jajpur to avail power supply through both 220 kV and 400 kV lines for a period of two months for stabilisation of 400 kV system of M/s. Tata Steel Limited. Therefore, the Commission allows M/s. NALCO in the present case to avail power supply to its plant at Damanjodi both at 132 kV and 220 kV level for a maximum

period of two months for stabilisation of its 220 kV system. In no case, M/s.NALCO shall draw power simultaneously at both voltages. The Commission directs OPTCL to do the needful for smooth changeover of the supply during the period of transition. M/s. NALCO should be fully prepared to take care of all possible contingencies anticipated during transition period. The necessary agreement between M/s. SOUTHCO Utility, OPTCL and the petitioner to this effect shall be signed considering all technical and commercial issues.

10. Regarding the issue of retention of the existing 132 kV Jayanagar-Damanjodi line as alternative power supply system even after the period of stabilisation of 220 kV system, M/s. NALCO may take up the issue with M/s. OPTCL and SOUTHCO Utility within the existing regulatory framework.
11. Accordingly, the case is disposed of.

Sd/-
(S. K. Parhi)
Member

Sd/-
(U. N. Behera)
Chairperson