

Channabasavanna Alegowda

From: Channabasavanna Alegowda
Sent: Saturday, November 28, 2020 6:17 PM
To: 'Regional Office Bangalore'
Cc: 'mscb.cpcb@nic.in'; 'ms@kspcb.gov.in'; 'zobangalore.cpcb@nic.in'; 'Regional Officer - mangalore Karnataka State Pollution Control Board'
Subject: Six Monthly EC compliance report for the period of April 2020 to September 2020 for UPCL Captive Jetty with facilities for Coal Handling at NMPT Premises
Attachments: Six Monthly EC Compliance Report NMPT Jetty _ April'20 - Sept'20.pdf

To,
Additional Principal Chief Conservator of Forest (APCCF), Ministry of Environment, Forest & Climate Change,
Regional Office (Southern Zone) Kendriya Sadan, Koramangala,
Bangalore-560 034

Sub: Six Monthly EC compliance report for the period of April 2020 to September 2020 for UPCL Captive Jetty with facilities for Coal Handling at NMPT Premises

Ref: Environmental Clearance No: J-16011/13/2002-IA.III Dated: 16.01.2003.

Dear Sir,

We are submitting herewith Six Monthly compliance to conditions of above referred Environmental Clearance of UPCL in soft copy through e-mail.

Thanks & Regards,

Channabasavanna Alegowda
DGM – Environment | Udipi Power Corporation Limited
| Yelluru Village | Pillar Post | Padubidri | Udipi Dist - 574113 |
| Karnataka |
Phone: +91-820-270 3430 ; Adani Voice Network : 69430 | Mobile: +91 9513945015 | E-mail :
channabasavanna.alegowda@adani.com . www.adani.com

Form for Uploading Compliance Report

Proposal No :	<input type="text" value="IA/KA/MIS/10659/2002"/>	Proposal Name :	<input type="text" value="Construction of Deep Draft Multipurpose Berth at n"/>
Category :	<input type="text" value="INFRA-2"/>	MoEF File No. :	<input type="text" value="J-16011/13/2002-IA.III"/>

Year of Compliance: Date of Compliance * :

Remarks:

Upload Compliance Letter/Report * : No file chosen (.pdf on)

SUBMIT

No.	Uploaded copy of Compliance report	Remarks	Uploaded Date	Delete
/10659/2002	03192020D52X4EIWUPCLNMPTJettyHYECComplianceReportFY2019-20.pdf	UPCL-NMPT-Jetty-HY-EC-Compliance-Report-FY2019-20	19/03/2020	
/10659/2002	05282020NZQWHTZ9UPCLNMPTJettyHY-2ECComplianceReportFY2019-20.pdf	Six_Monthly_EC_Compliance_Report_Jetty UPCL_Udupi_Oct19_to_Mar20	28/05/2020	
/10659/2002	12082020MB7QBY2JSixMonthlyECComplianceReportNMPTJetty_April'20-Sept'20.pdf	Six Monthly EC Compliance Report NMPT Jetty _ April'20 - Sept'20	08/12/2020	

Power

Ref.: UPCL/PLANT/O&M/ENV/2020-21/826

Date: 16.11.2020

To,

Additional Principal Chief Conservator of Forest (APCCF)

Ministry of Environment, Forest and Climate Change

Regional Office (Southern Zone),

Kendriya Sadan, 4th Floor, E&F Wings,

17th Main Road, Koramangala II Block,

Bangalore – 560 034

Sub.: Submission of Six Monthly EC compliance report for the period of April 2020 to September 2020 for Captive Jetty with associated facilities for import and handling of coal for coal-based subcritical Thermal Power Plant of UPCL in Udupi district of Karnataka.

Ref.: Environmental Clearance No: J-16011/13/2002-IA.III dated 16.01.2003.

Dear Sir,

With reference to the above subject, please find enclosed six monthly compliance reports for the period of **April 2020 to September 2020** against the conditions of Environmental Clearance for **Captive Jetty with associated facilities** for import and handling of coal-based subcritical Thermal power plant of UPCL in soft copy (on compact disc).

Thanking you,

Yours sincerely,

for **Udupi Power Corporation Limited**



(Santosh Kumar Singh)

Authorized Signatory

CC:

The Member Secretary,

Central Pollution Control Board,

Parivesh Bhavan, East Arjun Nagar,

Kendriya Paryavaran Bhawan, New Delhi – 110 032

Zonal Office,

Central Pollution Control Board,

1st and 2nd Floor, Nisarga Bhavan, A-Block, Thimmaiah

Main Road, 7th Cross, Shivanagar, Bengaluru – 560 010

The Member Secretary

Karnataka State Pollution Control Board

"Parisara Bhavan", #49, 4th & 5th Floor,

Church Street, Bangalore – 560 001

Regional Office,

Karnataka State Pollution Control Board

Parisara Bhavan, Bikampady, Mangalore.

Encl.: As mentioned above

**Six Monthly Compliance Report Of
Environmental Clearance (EC)**

For

**CAPTIVE JETTY
WITH FACILITIES FOR COAL HANDLING**

At

**New Mangalore Port Trust (NMPT)
Government of India (Ministry of Ports, Shipping
and Waterways), Panambur, Mangalore-575010,
D.K. District, Karnataka**

Submitted to:

**Regional Office
Ministry of Environment, Forests & Climate Change,
Central Pollution Control Board, New Delhi &
Karnataka State Pollution Control Board, Mangalore**



Submitted By:

**Environment Management Department
Udupi Power Corporation Limited
Yelluru Village, Pilar Post, Padubidri,
Udupi District, Karnataka**

April'2020 – September'2020

INTRODUCTION

Environmental Clearance for development Captive Jetty with Facilities for Coal Handling was obtained by New Mangalore Port Trust (NMPT) vide letter no: J-16011/13/2002-IA.III dated: 16.01.2003. Through concession agreement signed on 9th May 2008 between Udupi Power Corporation Ltd (UPCL) and NMPT, Berth No. 15 of the port was allocated to UPCL for construction and operation of captive jetty with associated facilities for import and handling of coal for coal-based Subcritical Thermal Power Plant of UPCL in Udupi district in Karnataka.

Udupi Power Corporation Ltd, a Subsidiary of Adani Power Limited, is submitting this compliance to environmental clearance conditions as per concession agreement signed between UPCL and NMPT.

EC Compliance Report of Environment Clearance

for Captive Jetty with Facilities for Coal Handling at NMPT Premises

vide letter no: J-16011/13/2002-IA.III dated: 16.01.2003.

S.NO	EC Conditions	Compliance
A	Specific Condition	
(i)	All the conditions stipulated by KSPCB in their NOC No. KSPCB/CFE-CELL/DEO/AEO-2/NMPT/2002-2003/115 dated 28.06.2002 shall be effectively implemented.	All the conditions stipulated by KSPCB are implemented.
(ii)	The proposed deep draft Berth at Mangalore will be laid only within the existing corridor/within the existing port limits.	Deep draft berth is constructed with in the NMPT (New Mangalore Port Trust) limits only.
(iii)	The laying and commissioning of the berth shall be in accordance with the established procedures, practices and rules and in conformity with the details furnished in the project documents. The New Mangalore Port Trust shall notify the specific procedures, practices and standards to be adopted in laying and commissioning of the berth.	Complied Deep draft berth is constructed as per the procedures and standards of NMPT, the same is verified by NMPT officials/Engineers.
(iv)	It shall be ensured that as a result of construction of berth, the drainage of the area is not affected adversely and that there is no ingress of sea water.	Complied Construction of berth is carried out as per the standards and procedures of NMPT. Drainage system in the berth is constructed in such way that no ingress of sea water is allowed and it is designed only for storm water and coal runoff.
(v)	The berth shall be provided with in-built oil leakage detection and warning system. Adequate measures for monitoring pressures in excess of those for which the berth is designed shall be ensured to prevent leakage of Oil.	UPCL Berth No-15 is designed only for bulk coal handling and as such no vessel maintenance works are taking place in our berth hence the condition shall not applicable to us.
(vi)	The environmental safeguard measures and the Environmental Management Plan as given in the project documents shall be effectively implemented.	Complied
(vii)	The water requirement for the project will be met through Municipal Water Supply. No groundwater shall be tapped within CRZ for the project.	Complied An agreement was made with City Corporation Mangalore; hence no ground water was tapped for the project
(viii)	Electricity shall be met through KPTCL	Complied Electricity is supplied by MESCOM-Mangalore under KPTCL
(ix)	The mangroves, if any, on the site should not be disturbed in any way.	The present UPCL berth falls in the NMPT premises and hence No mangroves are found in the Jetty area.

Udupi Power Corporation Limited

S.NO	EC Conditions	Compliance
(x)	The noise generated from the generators during operation shall be minimized by providing adequate vibration damping/vibration isolation techniques.	Low noise Generators are provided to minimize vibration by adopting latest techniques.
(xi)	In case the proposed project falls in a cyclone prone area the proponent(s) must prepare an emergency plan and also the ways and means for minimizing as well as mitigating the cyclone disasters.	UPCL has developed emergency plan for Berth No-15.
B	General Conditions:	
(i)	Construction of the proposed structures should be undertaken meticulously confirming to the existing Central/Local rules and regulations including CRZ Notification 1991 and its amendments. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned State Govt. Depts/Agencies.	Complied All the construction drawings and designs are as per NMPT standards and the same is inspected by NMPT officials/Engineers during construction phase.
(ii)	The proponent shall ensure that as a result of the proposed constructions, ingress of the saline water into the groundwater does not take place. Regular monitoring should be done for this purpose at appropriate locations on the project site	Complied All the constructions have been done as per approved drawings near the sea shore considering this factor.
(iii)	Handling, Manufacturing, Storage and Transportation of all hazardous chemicals should be carried out in accordance with MSIHC Rules, 1999 and subsequent amendments. All approvals from State and Central nodal agencies including OISD, Chief Controller of Explosives, and Chief Inspectorate of Factories must be obtained. A comprehensive contingency plan in collaboration with the concerned authorities must be formulated before commissioning of the project to meet any eventuality in case of an accident.	UPCL berth No-15 is designed only for bulk coal handling, hence no hazardous chemical activities are carried in the site and point is not applicable for us.
(iv)	A well-equipped laboratory with suitable instruments to monitor the quality of air and water shall be set up so as to ensure that the quality of ambient air and water conforms to the prescribed standards. The laboratory will also be equipped with qualified manpower including a marine microbiologist so that the marine water quality is regularly monitored in order to ensure that the marine life is not adversely affected as a result of implementation of the said project. The quality of ambient air and water shall be monitored periodically in all the seasons and the results should be properly maintained for inspection of the	Complied UPCL has qualified Environment Management team. Environmental Monitoring is carried out through NABL/MoEF&CC Accredited Laboratory. Ambient Air Quality Monitoring was carried out by NABL Lab and the report is enclosed as Annexure - I Water sample from the coal settling pond was collected, analysis was carried out by NABL Lab and the report is enclosed as Annexure - II

Udupi Power Corporation Limited

S.NO	EC Conditions	Compliance								
	concerned pollution control agencies. The periodic monitoring reports at least once in 6 months must be sent to this Ministry (Regional Office at Bangalore) and SPCB.									
(v)	Adequate provisions for infrastructure facilities such as water supply, fuel for cooking, sanitation etc must be provided for the laborers during the construction period in order to avoid damage to the environment. Colonies for the laborers should not be located in the CRZ area. It should also be ensured that the construction workers do not cut trees, including mangroves for fuel wood purpose.	Complied								
(vi)	To prevent discharge of sewage and other liquid wastes in to the water bodies, adequate system for collection and treatment of the wastes must be provided. No sewage and other liquid wastes without treatment should be allowed to enter into the water bodies.	Complied Liquid wastes are treated with Soak pits and septic tanks.								
(vii)	The quarrying material required for the construction purpose shall be obtained only from the approved quarries/borrow areas. Adequate safeguard measures shall be taken to ensure that the overburden and rocks at the quarry site do not find their way into water bodies.	Complied All the necessary measures were taken during the construction phase.								
(viii)	For employing unskilled, semi-skilled and skilled workers for the project, preference shall be given to local people.	Complied								
(ix)	The recommendations made in the Environment Management Plan and Disaster Management Plan, as contained in the EIA and Risk Analysis Reports of the project shall be effectively implemented.	Complied								
(x)	A separate Environment Management Cell with suitably qualified staff to carry out various environment related functions should be set up under the charge of a Senior Executive who will report directly to the Chief Executive of the Company.	Complied A well-qualified environment cell is established. Head of the Environment department is directly reporting to station head.								
(xi)	The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry.	Complied The amount spent for various activities under Environment for the period from April'2020 to Sept'2020								
		<table border="1"> <thead> <tr> <th>Description</th> <th>Amount (Rs.)</th> </tr> </thead> <tbody> <tr> <td>Environment Monitoring</td> <td>6,000</td> </tr> <tr> <td>General Environment Management</td> <td>-</td> </tr> <tr> <td>Total</td> <td>6,000</td> </tr> </tbody> </table>	Description	Amount (Rs.)	Environment Monitoring	6,000	General Environment Management	-	Total	6,000
Description	Amount (Rs.)									
Environment Monitoring	6,000									
General Environment Management	-									
Total	6,000									

Udupi Power Corporation Limited

S.NO	EC Conditions	Compliance
(xii)	Full support should be extended to the Officers of this Ministry's Regional Office at Bangalore and the Officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.	Noted. Full co-operation shall be extended to mentioned authority always.
(xiii)	In case of deviation or alteration in the project included the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions of imposition of new ones for ensuring environmental protection. The project proponents should be responsible for implementing the suggested safeguard measures.	Noted & agreed
(xiv)	This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Noted & agreed
(xv)	This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.	Noted
(xvi)	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at website of the MoEF at http://www.enfor.nic.in . The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the regional Office of this Ministry at Bangalore.	Complied
(xvii)	The Project proponents should inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and date of start of Land Development Work.	Complied

Annexure - I

AMBIENT AIR QUALITY MONITORING:*Annexure-I*

The Ambient Air Quality samples were collected by representative from NABL accredited laboratory.

Method of Analysis

Pollutants	Method of Measurement
Sulphur dioxide (SO ₂), µg/m ³	Improved west and Geake method
Nitrogen Dioxide (NO ₂), µg/m ³	Modified Jacob & Hochheiser
Particulate Matter (PM ₁₀), µg/m ³	Gravimetric
Particulate Matter (PM _{2.5}), µg/m ³	Gravimetric
Carbon Monoxide (CO), mg/m ³	Non Dispersive Infra-Red

AMBIENT AIR QUALITY MONITORING LOCATION

Ambient Air Quality Monitoring (PM₁₀, PM_{2.5}, SO₂, NO_x & CO) is done once in a three months at UPCL berth No-15 and 104 measurements (as per NAAQS) in Baikampady village area adjacent to UPCL wagon loading area.

The Monitoring reports for the period of April 2020 to September 2020 in the above said locations are presented in below Table: 1

Table-1: Ambient Air Quality Monitoring in UPCL berth No-15 for the period of April 2020 to September 2020

Location	Parameters	Unit	21.05.2020	29.09.2020	Avg
UPCL berth No-15	PM ₁₀	100 µg/m ³	34.2	38.4	36.3
	PM _{2.5}	60 µg/m ³	19.52	24.6	22.06
	SO ₂	80 µg/m ³	9.34	14.5	11.92
	NO _x	80 µg/m ³	12.05	19.8	15.925
	CO	2 mg/m ³	34.2	38.4	36.3

Table-2: Ambient Air Quality Monitoring near Baikampady village area for the period of April 2020 to September 2020

Location	Month	PM ₁₀ (100 µg/m ³)			PM _{2.5} (60 µg/m ³)			SO ₂ (80 µg/m ³)			NO _x (80 µg/m ³)			CO (2.0 mg/m ³)		
		Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
Near Baikampady Village (A5)	Apr 2020	33.6	35.6	34.8	20.6	22.3	21.8	6.5	7.2	6.8	7.8	8.9	8.7	BDL	BDL	BDL
	May 2020	33.8	35.8	35	21.5	22.6	22.1	6.6	7.5	7	7.2	9.1	8.5	BDL	BDL	BDL
	Jun 2020	32.3	33.7	33	20.1	21.6	20.8	6.2	7.1	6.6	6.9	8.7	8	BDL	BDL	BDL
	Jul 2020	38.3	41.9	39.7	19.3	21.2	20.2	11.2	13.8	12.4	16.3	17.9	17	BDL	BDL	BDL
	Aug 2020	39.5	42.6	40.8	20.2	22.4	21.1	12.1	14.5	13.1	16.7	18.4	17.5	BDL	BDL	BDL
	Sep 2020	41.2	44.9	42.9	22.4	24.2	23.2	12.6	14.9	13.5	17.3	18.9	18	BDL	BDL	BDL
	Avg	36.5	39.1	37.7	20.7	22.4	21.5	9.2	10.8	9.9	12.0	13.7	13.0	BDL	BDL	BDL

Annexure - II

WATER QUALITY MONITORING – COAL SETTLING POND*Annexure-II*

Water quality of Coal Settling Pond monitoring is carried out for the period of Apr 2020 to Sep 2020 is presented in the Table- 1 as below:

Table-1: Water Quality Monitoring carried out in Coal Settling Pond for the period of April 2020 to September 2020

S.No	Parameters	Limits	Unit	June-20	Jul-20	Aug-20	Sep-20
1	pH Value	5.5 - 9.0	-	6.29	6.01	7.1	7.97
2	Total Suspended Solids	100	mg/l	84.0	85.0	7.10	23.5
3	Colour	No Visible Colour	-	Colorless	Light Brown	Colorless	Colorless
4	Odour	No Offensive Odour	-	Agreeable	Agreeable	Agreeable	Agreeable
5	Floating material, Oil & Grease and Scum (including POL Products)	10	mg/l	BDL	3.2	2.3	BDL
6	BOD	100	mg/l	8.2	9.0	8.0	7.0

A - Agreeable; BDL – Below Detectable Limit