

Channabasavanna Alegowda

From: Channabasavanna Alegowda
Sent: Saturday, November 28, 2020 6:13 PM
To: Regional Office Bangalore
Cc: mscb.cpcb@nic.in; ms@kspcb.gov.in; zobangalore.cpcb@nic.in; udupi@kspcb.gov.in
Subject: Six Monthly EC compliance & CRZ Clearance report for the period of April 2020 to September 2020 for expansion by addition of 2x800 MW (Phase-II) at Udupi Power Corporation Limited
Attachments: EC Compliance 2X800 MW TPP.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 & CRZ Clearance report for the period of April 2020 to September 2020 for expansion by addition of 2x800 MW (Phase-II) at Udupi Power Corporation Limited

Ref: Environmental Clearance No: J-13012/12/2015-IA.I (T) Dated: 01.08.2017.
CRZ Clearance No: J-13012/12/2015-IA.I (T) Dated: 26.02.2018

Dear Sir,

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

Thanks & Regards,

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

Proposal No :	IA/KA/THE/27676/2015	Proposal Name :	UPCL expansion by 2x800 MW
Category :	Thermal Projects	MoEF File No. :	J-13-11/23/1996-IA-II(T)

Letter/Report

Year of Compliance : -All Years-

Date of Compliance * : Select

Remarks :

Upload Compliance Letter/Report * : No file chosen

SUBMIT

No.	Uploaded copy of Compliance report	Remarks	Uploaded Date
/27676/2015	03192020S67B6FVKUPCLPhase-2HYECComplianceReportFY2019-20.pdf	UPCL-Phase-2-HY-EC-Compliance-Report-FY2019-20	19/03/2020
/27676/2015	05282020KV4B8DKYUPCLPhase-2HY-2ECComplianceReportFY2019-20.pdf	Six_Monthly_EC_Compliance_Report_Udupi_TPP_II_Oct19_to_Mar20	28/05/2020
/27676/2015	12082020ZYTZPBGBSixMonthlyECComplianceReportUdupiTPP2x800_April'20-Sept'20.pdf	Six Monthly EC Compliance Report Udupi TPP 2x800 _ April'20-Sept'20	08/12/2020



Power

Ref.: UPCL/P-II/ENV/EC/MoEF/506/20
Date: 24.11.2020

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.: Six Monthly EC compliance report for the period of April'2020 to September'2020 for expansion by addition of 2x800 MW (Phase-II) at Udupi Power Corporation Limited.

Ref.: Environmental Clearance No: J-13012/12/2015-IA.I (T) dated 01.08.2017.

CRZ Clearance No: J-13012/12/2015-IA.I (T) dated: 26.02.2018

Dear Sir,

With reference to above subject and reference, we are herewith submitting compliance to conditions of above referred Environmental Clearance for UPCL Phase II 2x800 MW Thermal Power plant for the period of **April'2020 to September'2020** in soft copy through e-mail.

A.	Specific Condition	
xiii	Skill mapping of the Project Affected People (PAF) be carried out on a long-term basis for their livelihood generation. A report is to be submitted within 3 months to the Ministry from the date of issuance of environmental clearance	Skill Mapping Study of the Project Affected People (PAF) area is completed and report has been submitted to MoEF&CC on 26.03.2018. Report has been already submitted along with compliance report.
B.	General Condition	
x	The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at the Website of MoEF&CC at http://envfor.nic.in .	Environment Clearance copy has been advertised in three local newspapers, the copy is already submitted along with compliance report.

Udupi Power Corporation Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: U31909KA1996PLC019918

Tel +91 79 2555 4444
Fax +91 79 2555 7177
info@adani.com
www.adanipower.com



Power

xi	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	Environment Clearance Letter has been forwarded to Deputy Commissioner, Joint Director of District Industrial Center, Local Village Panchayat Offices, Zila Panchayat, Municipal Corporation, Local NGOs.
----	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Half yearly compliance of EC & CRZ clearance, condition wise will be submitted once construction and project development activities are started after obtaining PPA.

KSPCB has also granted the Consent for Establishment (CFE) No: CTE-304934 dated 20.01.2018.

This is for your kind information & record please.

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.
Plot no-36-C, Shivalli industrial Area,
Manipal, Udupi – 576 104

Encl.: As mentioned above

Udupi Power Corporation Ltd
Adani Corporate House
Shantigram, S G Highway
Ahmedabad 382 421
Gujarat, India
CIN: U31909KA1996PLC019918

Tel +91 79 2555 4444
Fax +91 79 2555 7177
info@adani.com
www.adanipower.com

adani™

Ref: APL/UPCL/ENV/MoEF&CC/EC/March/Out-1

Date: 08.03.2018

To,
The Director, IA. I (T)
Ministry of Environment, forest & Climate Change
Government of India
Indira Paryavaran Bhawan
Vayu Wing, Jor Bagh, Aliganj
New Delhi- 110003

सी. आर. ... प्राप्त किया 28/3/18
Received by ... मंत्रालय
पर्यावरण, वन एवं जलवायु परिवर्तन
Ministry of Environment, Forest & Climate Change
भारत सरकार / Govt. of India
इन्दिरा पर्यावरण भवन
वायु विंग, जोर बाग, अलिगंज

Sub: Submission of Skill Mapping Study Report of the area for proposed Expansion of UPCL 2x600 MW TPP by addition of 2x800 MW (Phase-II) Imported Coal based Super Critical Thermal Power Project at Village Yelluru, Taluk Udupi, Distt. Udupi by M/s Udupi Power Corporation Limited (UPCL)

Ref: Environment Clearance letter J-13012/12/2015-IA.I (T) dated 01.08.2017.

Dear Sir,

We are submitting herewith Skills Mapping Study Report with reference to **Specific condition no. (xiii)** Of Environmental Clearance, vide letter No- J-13012/12/2015-IA.I (T) dated 01.08.2017 accorded by Ministry of Environment, Forest & Climate Change.

Thanking you

Yours Sincerely

For **Udupi Power Corporation Limited**



(Santosh Kumar Singh)
Authorized Signatory
Head - Environment

Encl: As above

✓ **CC:** The Director (S), Regional office MoEF&CC (Southern Zone), Kendriya Sadan
Bangalore- 560034

Udupi Power Corporation Ltd
(A Subsidiary of Adani Power Ltd)
Achalraj
Opp Mayor Bungalow, Law Garden
Ahmedabad 380 006
Gujarat, India
CIN: U31909KA1996PLC019918

Tel +91 79 2555 7555
Fax +91 79 2555 7177
info@adani.com
www.adani.com



Paper Advertisement in Udayavani Paper

01/08/2017

adani ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಷನ್ ಲಿಮಿಟೆಡ್
 ರಿಜಿಸ್ಟರ್ಡ್ ಆಫೀಸ್: 1 ನೇ ಫ್ಲೋರ್, "ಲೋಟಸ್ ಬವರ್ಸ್ ನಂ.34,
 ದೇವರಾಜ ಅರಸ್ ರೋಡ್, ರೇಸ್ ಕೋರ್ಸ್ ಬೆಂಗಳೂರು - 560001
 ಫೋನ್: 91 80 4025 4025, ಫ್ಯಾಕ್ಸ್ : 91 80 4025 4000

ಸಾರ್ವಜನಿಕ ಪ್ರಕಟಣೆ

ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯ (MoEF&CC), ಭಾರತ ಸರ್ಕಾರವು ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಉಡುಪಿ ಜಿಲ್ಲೆಯ ಎಲ್ಲೂರು ಗ್ರಾಮದಲ್ಲಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತಿರುವ ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಷನ್ ಲಿಮಿಟೆಡ್ ಸಂಸ್ಥೆಯ 2 x 600 ಮೆ.ವ್ಯಾ. ಘಟಕಕ್ಕೆ ಹೆಚ್ಚುವರಿ 2 x 800 ಮೆ.ವ್ಯಾ. ಅಮದು ಮಾಡಲಾದ ಕಲ್ಲಿದ್ದಲು ಆಧಾರಿತ ಸೂಪರ್ ಕ್ರಿಟಿಕಲ್ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸಿ 2800 ಮೆ.ವ್ಯಾ.ವರೆಗೆ ವಿಸ್ತರಿಸಲು ಪರಿಸರ ನಿರೀಕ್ಷೆಪಣಾ ಪತ್ರವನ್ನು ನೀಡಿರುತ್ತದೆ.

ಯೋಜನೆಯ ಪರಿಸರ ನಿರೀಕ್ಷೆಪಣಾ ಪತ್ರದ ಪ್ರಮುಖ ಅಂಶಗಳನ್ನು ಕೆಳಕಂಡಂತೆ ಸಾರ್ವಜನಿಕರ ಗಮನಕ್ಕೆ ಸಲ್ಲಿಸಿದೆ.

- ಉಲ್ಲೇಖ: ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯದ ನಿರೀಕ್ಷೆಪಣಾಪತ್ರ ಸಂಖ್ಯೆ J-13012/12/2015-I.A.(T) ದಿನಾಂಕ: 01.08.2017
- ಭೂಮಿ: ಪ್ರಸ್ತುತವಿರುವ 2 x 600 ಮೆ.ವ್ಯಾ. ಘಟಕದ ಜಾಗ ಮತ್ತು ಉದ್ದೇಶಿತ 2 x 800 ಮೆ.ವ್ಯಾ. ಘಟಕ ವಿಸ್ತರಣೆಯ ಜಾಗವು ಈಗಾಗಲೇ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶವೆಂದು 1995 ಹಾಗೂ 1998 ರಲ್ಲಿ ಸೆಕ್ಷನ್ 3(1) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 (KIADA 1966) ರನ್ವಯ ಕರ್ನಾಟಕದ ಗೇಟ್ ನಲ್ಲಿ ಪ್ರಕಟಿಸಿದೆ.
- ತಂತ್ರಜ್ಞಾನ: ಸೂಪರ್ ಕ್ರಿಟಿಕಲ್ (SC) ಹಾಗೂ ಅಲ್ಟ್ರಾ ಸೂಪರ್ ಕ್ರಿಟಿಕಲ್ (USC) ತಂತ್ರಜ್ಞಾನಗಳನ್ನು ಉದ್ದೇಶಿತ ಯೋಜನೆಯಲ್ಲಿ ಅಳವಡಿಸಲು ಪರಿಗಣಿಸಲಾಗುತ್ತಿದೆ. ಬ್ಯಾನ್ಪುರನ್ನು ಮಿಶ್ರಿತಕಲ್ಲಿದ್ದಲು 70% ಅಮದು ಮತ್ತು 30% ದೇಶೀಯ ಅನುಪಾತದಲ್ಲಿ ಕಲ್ಲಿದ್ದಲನ್ನು ಬಳಸುವ ಉದ್ದೇಶದಿಂದ ವಿದ್ಯುತ್‌ಗೋಳಿಸಲಾಗುತ್ತದೆ. ಕಲ್ಲಿದ್ದಲು ಮಂತ್ರಾಲಯದಿಂದ ದೇಶೀಯ ಕಲ್ಲಿದ್ದಲಿನ ಪರಿಚಿತ ಆಗುವವರೆಗೆ 100% ಅನ್ವಯ ಮತ್ತು ಇಂಡೋನೇಷಿಯಾದಿಂದ ಅಮದು ಮಾಡಿದ ಕಲ್ಲಿದ್ದಲನ್ನು ಬಳಸಲಾಗುವುದು.
- ಕಲ್ಲಿದ್ದಲು: ವಾರ್ಷಿಕ ಕಲ್ಲಿದ್ದಲು ಅವಶ್ಯಕತೆ 6.20MTPA ರಷ್ಟು 85% ಪ್ಲಾಂಟ್ ಲೋಡ್ ಫ್ಯಾಕ್ಟರ್ (PLF) ನಲ್ಲಿ ಇರುತ್ತದೆ. ಒಟ್ಟು ಬೂದಿ ಮತ್ತು ಗಂಧಕದ ಅಂಶವು ಅಮದು ಮಾಡಿದ ಕಲ್ಲಿದ್ದಲಿನಲ್ಲಿ ಅನುಕ್ರಮವಾಗಿ ಶೇಕಡಾ 25% ಮತ್ತು 0.5% ರ ಒಳಗಿರುತ್ತವೆ. ಕಂಪನಿಯ ಈಗಾಗಲೇ ಮೀಸಲಾದ ರೈಲ್ವೆ ಸೈಡಿಂಗ್‌ನಿಂದಿದ್ದು ಕೊಂಕಣ ರೈಲ್ವೆ ಜೊತೆ ಸಂಪರ್ಕ ಹೊಂದಿದೆ.
- ನೀರು: ಉಷ್ಣ ವಿದ್ಯುತ್ ಸ್ಥಾವರದ 2800 ಮೆ.ವ್ಯಾ. ವಿಸ್ತರಣೆಯಾದ ಮೇಲೆ ಸಮುದ್ರ ನೀರಿನ ಅವಶ್ಯಕತೆ 24381 m³/hr ರಷ್ಟನ್ನು ಅರಬೀಸಮುದ್ರದಿಂದ ಹೊಂದಿಸಲು ಉದ್ದೇಶಿಸಲಾಗಿದೆ. ಸಮುದ್ರದ ಪರಿಸರ ಪರಿಣಾಮ ಅಧ್ಯಯನವನ್ನು (EIA) ಸಿ.ಎಸ್.ಐ.ಆರ್/ಎನ್.ಐ.ಐ.ಹಿ.ಗೋವಾವಾದಿದ್ದು, ಎನ್.ಐ.ಐ.ಸಂಸ್ಥೆಯು ಸೋರಿಕೆ ರಹಿತ ಸಬ್ ಮರ್ಸನ್ ಪ್ರೆಸ್ ಲೈನನ್ನು ವಿದ್ಯುತ್‌ಗೋಳಿಸಲು ಹಾಗೂ ನಿಯಮಿತವಾಗಿ ಯೋಜನೆಯ ಅನುಷ್ಠಾನದ ಸಂಕರ ಸಮುದ್ರ ನೀರಿನ ಮಾಪನಮಾಡಲು ಶಿಫಾರಸ್ಸು ಮಾಡಿದೆ.
- ಹಾರು ಬೂದಿ: ಉತ್ಪತ್ತಿಯಾದ ಹಾರುಬೂದಿಯನ್ನು ಫೈಲ್ಡ್ ಆಫ್ ಅಧಿಸೂಚನೆಯ ಅನ್ವಯ ಶೇಕಡಾ 100 ಉಪಯೋಗಿಸಲು ಉದ್ದೇಶಿಸಲಾಗಿದೆ.
- ಅನುಸರಣೆ: ಪರಿಸರ ನಿರೀಕ್ಷೆಪಣಾ ಪತ್ರದಲ್ಲಿನ ಪರಿಸರ ಪರಿಷ್ಕರಣಾ ಕಾಯ್ದೆ 1986 ಹಾಗೂ ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯದ ಸಮಯ ಸಮಯಕ್ಕೆ ಪ್ರಕಟಿಸಿದ ಅಧಿಸೂಚನೆಗಳನ್ನು ಅನುಸರಣೆ ಮಾಡಲಾಗುವುದು. ಉದ್ದೇಶಿತ ಯೋಜನೆಯ ಎನ್ವಿರಾನ್ ಮೆಂಟ್ ಇಂಪ್ಯಾಕ್ಟ್ ಅಸೆಸ್‌ಮೆಂಟ್‌ನು ನ್ಯಾಶನಲ್ ಎನ್ವಿರಾನ್ ಮೆಂಟ್ ಇಂಜಿನಿಯರಿಂಗ್ ರಿಸರ್ಚ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ (NEERI) ಮಾಡಿದೆ. NEERI ಮತ್ತು NIO ಮಾಡಿರುವ ಎಲ್ಲಾ ಶಿಫಾರಸ್ಸುಗಳನ್ನು ಪರಿಗಣಿಸಲಾಗುವುದು. NEERI ಶಿಫಾರಸ್ಸು ಮಾಡಿದ ರೀತಿ, 1-2 MTPA ಸಿಮೆಂಟ್ ಗ್ರೈಂಡಿಂಗ್ ಘಟಕವನ್ನು ಹಾರುಬೂದಿಯನ್ನು ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಉಪಯೋಗಿಸಲು ಸ್ಥಾಪಿಸಲಾಗುವುದು.
- ಸಿ.ಆರ್.ಜೆಡ್: ಕರ್ನಾಟಕ ಕರವಳಿ ವಲಯ ನಿರ್ವಹಣಾ ಪ್ರಾಧಿಕಾರವು ಕರವಳಿ ನಿಯಂತ್ರಣ ವಲಯ (CRZ) ನಿರೀಕ್ಷೆಪಣಾ ಪತ್ರವನ್ನು ಸಮುದ್ರ ನೀರಿನ ಒಳತೆಗೆದುಕೊಳ್ಳುವುದಕ್ಕೆ (Intake) ಮತ್ತು ಸಮುದ್ರದ ಟಿಕ್ ಫಾಲನ್ನು ಇನ್ ಟೇಕ್ ಟಾವಿ ಮತ್ತು ಟೀಟ್‌ಫಾಲ್ ಡಿಫ್ಯೂಷರ್‌ನನ್ನು ಅಳವಡಿಸಿ ಪ್ರಸ್ತುತವಿರುವ 25 ಮೀ ಅಗಲದ ಕಾರ್ಡರ್‌ನಲ್ಲಿ ಅಳವಡಿಸಲು ಶಿಫಾರಸ್ಸು ಮಾಡಿದ್ದಾರೆ. ಮ್ಯಾಂಗ್ರೂವ್ ಸಸ್ಯಗಳನ್ನು ನೆಡಲಾಗುವುದು.
- ಬಂಡವಾಳ ವೆಚ್ಚ: ಯೋಜನೆಯ ಒಟ್ಟು ಅಂದಾಜು ವೆಚ್ಚ ರೂ. 11,500 ಕೋಟಿಗಳು. ಪರಿಸರ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣದ ಕ್ರಮಗಳಿಗೆ ರೂ. 1,885.55 ಕೋಟಿಗಳು (ಬಂಡವಾಳ) ಮತ್ತು ರೂ. 828.51 ಕೋಟಿಗಳು (ಮರುಕಳಿಸುವ) ನ್ನು ಬಜೆಟ್‌ನಲ್ಲಿ ಇಡಲಾಗಿದೆ. ಸಾಮಾಜಿಕ ಕಲ್ಯಾಣ ಕಾರ್ಯಕ್ರಮಗಳಿಗೆ ಯೋಜನೆಯ ಅನುಷ್ಠಾನದ ಅವಧಿಯಲ್ಲಿ ರೂ. 35 ಕೋಟಿಗಳನ್ನು ವೆಚ್ಚನಾಡಲಾಗುವುದು.

ಪರಿಸರ ನಿರೀಕ್ಷೆಪಣಾ ಪತ್ರದ ಜನರಲ್ ಕಂಡೀಶನ್ ನಂ. 'x' ರ ಅನ್ವಯ, ನಿರೀಕ್ಷೆಪಣಾ ಪತ್ರದ ಪ್ರತಿಗಳನ್ನು ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಲ್ಲಿ ಮತ್ತು MoEF&CC ಯ ವೆಬ್ ಸೈಟ್ <http://envfor.nic.in> ನಲ್ಲಿ ನೋಡಬಹುದು.

Sd/
 ಅಧಿಕೃತ ಸಹಿ
 ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಷನ್ ಲಿಮಿಟೆಡ್
 (ಅಧಿನಿ ಪವರ್ ಲಿಮಿಟೆಡ್‌ನ ಒಂದು ಅಂಗ ಸಂಸ್ಥೆ)

on 09/08/2017

adani ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಶನ್ ಲಿಮಿಟೆಡ್
 ರಜಿಸ್ಟರ್ಡ್ ಆಫೀಸ್: 1 ನೇ ಫೋರ್ಡ್, "ಲೋಟಸ್ ಟವರ್ಸ್ ನಂ.34,
 ದೇವರಾಜ ಅರಸ್ ರೋಡ್, ರೇಸ್ ಕೋರ್ಸ್ ಟೆಂಗಲೂರು - 560001
 ಫೋನ್: 91 80 4025 4025, ಫ್ಯಾಕ್ಸ್ : 91 80 4025 4000

ಸಾರ್ವಜನಿಕ ಪ್ರಕಟಣೆ

ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯ (MoEF&CC), ಭಾರತ ಸರ್ಕಾರವು ಕರ್ನಾಟಕ ರಾಜ್ಯದ ಉಡುಪಿ ಜಿಲ್ಲೆಯ ಎಲ್ಲೂರು ಗ್ರಾಮದಲ್ಲಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತಿರುವ ಮೆ. ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಶನ್ ಲಿಮಿಟೆಡ್ ಸಂಸ್ಥೆಯ 2 x 600 ಮೆ.ವ್ಯಾ. ಘಟಕಕ್ಕೆ ಹೆಚ್ಚುವರಿ 2 x 800 ಮೆ.ವ್ಯಾ. ಅಮದು ಮಾಡಲಾದ ಕಲ್ಲಿದ್ದಲು ಆಧಾರಿತ ಸೂಪರ್ ಕ್ರಿಟಿಕಲ್ ಘಟಕವನ್ನು ಸ್ಥಾಪಿಸಿ 2800 ಮೆ.ವ್ಯಾ.ವರೆಗೆ ವಿಸ್ತರಿಸಲು ಪರಿಸರ ನಿರೀಕ್ಷಾಪತ್ರ ಪತ್ರವನ್ನು ನೀಡಿರುತ್ತದೆ.

ಯೋಜನೆಯ ಪರಿಸರ ನಿರೀಕ್ಷಾಪತ್ರದ ಪ್ರಮುಖ ಅಂಶಗಳನ್ನು ಕೆಳಕಂಡಂತೆ ಸಾರ್ವಜನಿಕ ಗಮನಕ್ಕೆ ಸಲ್ಲಿಸಿದೆ.

- ಉಲ್ಲೇಖ: ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯದ ನಿರೀಕ್ಷಾಪತ್ರ ಸಂಖ್ಯೆ J-13012/12/2015-I.A.I(T) ದಿನಾಂಕ: 01.08.2017
- ಭೂಮಿ: ಪ್ರಸ್ತುತವಿರುವ 2 x 600 ಮೆ.ವ್ಯಾ. ಘಟಕದ ಜಾಗ ಮತ್ತು ಉದ್ದೇಶಿತ 2 x 800 ಮೆ.ವ್ಯಾ. ಘಟಕ ವಿಸ್ತರಣೆಯ ಜಾಗವು ಈಗಾಗಲೇ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶವೆಂದು 1995 ಹಾಗೂ 1998 ರಲ್ಲಿ ಸೆಕ್ಷನ್ 3(1) ಕರ್ನಾಟಕ ಕೈಗಾರಿಕಾ ಪ್ರದೇಶಾಭಿವೃದ್ಧಿ ಕಾಯ್ದೆ 1966 (KIADA 1966) ರನ್ವಯ ಕರ್ನಾಟಕದ ಗಜೆಟ್ ನಲ್ಲಿ ಪ್ರಕಟಿಸಿದೆ.
- ತಂತ್ರಜ್ಞಾನ: ಸೂಪರ್ ಕ್ರಿಟಿಕಲ್ (SC) ಹಾಗೂ ಅಲ್ಪ ಸೂಪರ್ ಕ್ರಿಟಿಕಲ್ (USC) ತಂತ್ರಜ್ಞಾನಗಳನ್ನು ಉದ್ದೇಶಿತ ಯೋಜನೆಯಲ್ಲಿ ಅಳವಡಿಸಲು ಪರಿಗಣಿಸಲಾಗುತ್ತಿದೆ. ಬಾಯ್ಲರ್‌ನು ಮಿಶ್ರಿತಕಲ್ಲಿದ್ದಲು 70% ಅಮದು ಮತ್ತು 30% ದೇಶೀಯ ಅನುಪಾತದಲ್ಲಿ ಕಲ್ಲಿದ್ದಲನ್ನು ಬಳಸುವ ಉದ್ದೇಶದಿಂದ ವಿನ್ಯಾಸಗೊಳಿಸಲಾಗುತ್ತದೆ. ಕಲ್ಲಿದ್ದಲು ಮಂತ್ರಾಲಯದಿಂದ ದೇಶೀಯ ಕಲ್ಲಿದ್ದಲಿನ ಹಂಚಿಕೆ ಅಗುವವರೆಗೆ 100% ಅಸ್ಥಿರತೆಯ ಮತ್ತು ಇಂಡೋನೇಷಿಯಾದಿಂದ ಅಮದು ಮಾಡಿದ ಕಲ್ಲಿದ್ದಲನ್ನು ಬಳಸಲಾಗುವುದು.
- ಕಲ್ಲಿದ್ದಲು: ವಾರ್ಷಿಕ ಕಲ್ಲಿದ್ದಲು ಅವಶ್ಯಕತೆ 6.20MTPA ರಷ್ಟು 85% ಪ್ಲಾಂಟ್ ಲೋಡ್ ಫ್ಯಾಕ್ಟರ್ (PLF) ನಲ್ಲಿ ಇರುತ್ತದೆ. ಒಟ್ಟು ಬೂದಿ ಮತ್ತು ಗಂಧಕದ ಅಂಶವು ಅಮದು ಮಾಡಿದ ಕಲ್ಲಿದ್ದಲಿನಲ್ಲಿ ಅನುಕ್ರಮವಾಗಿ ಶೇಕಡಾ 25% ಮತ್ತು 0.5% ರ ಒಳಗಿರಬೇಕು. ಕಂಪನಿಯು ಈಗಾಗಲೇ ಮೀಸಲಾದ ರೈಲ್ವೆ ಸೈಡಿಂಗನ್ನು ಬಳಸುವುದನ್ನು ಕೊಂಕಣ ರೈಲ್ವೆ ಜೊತೆ ಸಂಪರ್ಕ ಹೊಂದಿದೆ.
- ನೀರು: ಉಷ್ಣ ವಿದ್ಯುತ್ ಸ್ಥಾವರದ 2800 ಮೆ.ವ್ಯಾ. ವಿಸ್ತರಣೆಯಾದ ಮೇಲೆ ಸಮುದ್ರ ನೀರಿನ ಅವಶ್ಯಕತೆ 24381 m³/hr ರಷ್ಟನ್ನು ಅರಬೀಸಮುದ್ರದಿಂದ ಹೊಂದಿಸಲು ಉದ್ದೇಶಿಸಲಾಗಿದೆ. ಸಮುದ್ರದ ಪರಿಸರ ಪರಿಣಾಮ ಅಧ್ಯಯನವನ್ನು (EIA) ಸಿ.ಎಸ್.ಐ.ಆರ್/ಎನ್.ಐ.ಒ.ಗೋಷ್ಠಿಯಾದಿಂದ ಸಮೀಕ್ಷಿಸಿ.ಐ.ಒ.ಒ.ಸಂಸ್ಥೆಯು ಸೋರಿಕೆ ರಹಿತ ಸರ್ ಮರೀನ್ ಪೈಪ್ ಲೈನ್‌ನ್ನು ವಿನ್ಯಾಸಗೊಳಿಸಲು ಹಾಗೂ ನಿಯಮಿತವಾಗಿ ಯೋಜನೆಯ ಅನುಷ್ಠಾನದ ನಂತರ ಸಮುದ್ರ ನೀರಿನ ಮಾಪನಮಾಡಲು ಶಿಫಾರಸ್ಸು ಮಾಡಿದೆ.
- ಹಾರು ಬೂದಿ: ಉತ್ಪತ್ತಿಯಾದ ಹಾರುಬೂದಿಯನ್ನು ಫೈಲ್ಡ್ ಅಧಿಸೂಚನೆಯ ಅನ್ವಯ ಶೇಕಡಾ 100 ಉಪಯೋಗಿಸಲು ಉದ್ದೇಶಿಸಲಾಗಿದೆ.
- ಅನುಸರಣೆ: ಪರಿಸರ ನಿರೀಕ್ಷಾಪತ್ರದಲ್ಲಿನ ಷರತ್ತುಗಳನ್ನು ಪರಿಸರ ಸಂರಕ್ಷಣಾ ಕಾಯ್ದೆ 1986 ಹಾಗೂ ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯದಿಂದ ಸಮಯ ಸಮಯಕ್ಕೆ ಪ್ರಕಟಿಸಿದ ಅಧಿಸೂಚನೆಗಳನ್ನು ಅನುಸರಣೆ ಮಾಡಲಾಗುವುದು. ಉದ್ದೇಶಿತ ಯೋಜನೆಯ ಎನ್ವಿರಾನ್ ಮೆಂಟ್ ಇಂಪ್ಯಾಕ್ಟ್ ಅಸೆಸ್ ಮೆಂಟ್‌ನ್ನು ಪ್ಯಾಶನಲ್ ಎನ್ವಿರಾನ್ ಮೆಂಟ್ ಎಂಜಿನಿಯರಿಂಗ್ ರಿಸರ್ಚ್ ಇನ್ಸ್ಟಿಟ್ಯೂಟ್ (NEERI) ಮಾಡಿದೆ. NEERI ಮತ್ತು NIO ಮಾಡಿರುವ ಎಲ್ಲಾ ಶಿಫಾರಸ್ಸುಗಳನ್ನು ಜಾರಿಗೊಳಿಸಲಾಗುವುದು. NEERI ಶಿಫಾರಸ್ಸು ಮಾಡಿದ ರೀತಿ, 1-2 MTPA ಸಿಮೆಂಟ್ ಗ್ರೈಂಡಿಂಗ್ ಘಟಕವನ್ನು ಹಾರುಬೂದಿಯನ್ನು ಪರಿಣಾಮಕಾರಿಯಾಗಿ ಉಪಯೋಗಿಸಲು ಸ್ಥಾಪಿಸಲಾಗುವುದು.
- ಸಿ.ಆರ್.ಜೆಡ್: ಕರ್ನಾಟಕ ಕರವಳಿ ವಲಯ ನಿರ್ವಹಣಾ ಪ್ರಾಧಿಕಾರವು ಕರಾವಳಿ ನಿಯಂತ್ರಣ ವಲಯ (CRZ) ನಿರೀಕ್ಷಾಪತ್ರ ಪತ್ರವನ್ನು ಸಮುದ್ರ ನೀರಿನ ಒಳತೆಗೆದುಕೊಳ್ಳುವುದಕ್ಕೆ (Intake) ಮತ್ತು ಸಮುದ್ರದ ಟ್ರಿಬ್ ಫಾಲನ್ನು ಇನ್ ಟೇಲ್ ಬಾಬಿ ಮತ್ತು ಟ್ರಿಬ್ ಫಾಲ್ ಡಿಫ್ಲೂಶರನ್ನು ಅಳವಡಿಸಿ ಪ್ರಸ್ತುತವಿರುವ 25 ಮೀ ಟಗಲದ ಕಾಂಡಾರ್‌ನಲ್ಲಿ ಅಳವಡಿಸಲು ಶಿಫಾರಸ್ಸು ಮಾಡಿದ್ದಾರೆ. ಮ್ಯಾಂಗ್ರೂವ್ ಸಸ್ಯಗಳನ್ನು ನೆಡಲಾಗುವುದು.
- ಬಂಡವಾಳ ವೆಚ್ಚ: ಯೋಜನೆಯ ಒಟ್ಟು ಅಂದಾಜು ವೆಚ್ಚ ರೂ. 11,500 ಕೋಟಿಗಳು. ಪರಿಸರ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣದ ಕ್ರಮಗಳಿಗೆ ರೂ. 1,885.55 ಕೋಟಿಗಳು (ಛಂಚವಾಳ) ಮತ್ತು ರೂ. 828.51 ಕೋಟಿಗಳು (ಮರುಕಳಿಸುವ) ನ್ನು ಬಜೆಟ್‌ನಲ್ಲಿ ಇಡಲಾಗಿದೆ. ಸಾಮಾಜಿಕ ಕಲ್ಯಾಣ ಕಾರ್ಯಕ್ರಮಗಳಿಗೆ ಯೋಜನೆಯ ಅನುಷ್ಠಾನದ ಅವಧಿಯಲ್ಲಿ ರೂ. 35 ಕೋಟಿಗಳನ್ನು ವೆಚ್ಚ ಮಾಡಲಾಗುವುದು.

ಪರಿಸರ ನಿರೀಕ್ಷಾಪತ್ರದ ಜನರಲ್ ಕಂಡೀಶನ್ ನಂ. 'X' ರ ಅನ್ವಯ, ನಿರೀಕ್ಷಾಪತ್ರದ ಪ್ರತಿಗಳನ್ನು ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯಲ್ಲಿ ಮತ್ತು MoEF&CC ಯ ವೆಬ್ ಸೈಟ್ <http://envfor.nic.in> ಸಲ್ಲಿಸಬೇಕು.

Sd/
 ಅಧಿಕೃತ ಸಹಿ
 ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಶನ್ ಲಿಮಿಟೆಡ್
 (ಅವನಿ ಪವರ್ ಲಿಮಿಟೆಡ್‌ನ ಒಂದು ಅಂಗ ಸಂಸ್ಥೆ)

Paper Advertisement in Times Of India on 06/08/2017

adani Udupi Power Corporation Limited
Regd. Office: 1st Floor, "Lotus Towers", No.34,
Devaraja Urs Road, Race Course, Bangalore- 560 001
Tel: +91 80 4025 4025, Fax: +91 80 4025 4000

Public Information

Ministry of Environment, Forest and Climate Change (MoEF&CC), Govt. of India, has granted Environmental Clearance (EC) for Expansion of M/s Udupi Power Corporation Limited's 2x600 MW existing Thermal Power Plant (TPP) by addition of 2x800 MW imported coal based Super Critical Units at Village Yelluru, Taluk Udupi, Dist. Udupi, Karnataka.

Salient features of the project EC are as under for the public information.

- **Reference:** Letter no J-13012/12/2015-IA.I (T) dated 01.08.2017 of MoEF&CC.
- **Land:** The area where the existing 2x600 MW plant is located and also where 2x800 MW units expansion project is proposed are already declared as an industrial area in 1995 and 1998 under section 3(1) of Karnataka Industrial Area Development Act (KIADA 1966) in gazette of Karnataka.
- **Technology:** Supercritical (SC) and Ultra-Supercritical (USC) technology are being considered for proposed project. Boiler shall be designed for blended coal in the ratio of 70% Imported coal and 30% domestic coal. Till the domestic allocation from Ministry of Coal is received, 100% imported coal from Australia and Indonesia will be used.
- **Coal:** Annual coal requirement is 6.20 MTPA at a Plant Load Factor (PLF) of 85%. Total Ash and Sulphur content in the imported coal shall not exceed 25% and 0.5% respectively. The Company is already having dedicated railway siding connected with Konkan railway from Nandikur railway station to the existing plant site.
- **Water:** Sea water requirement for TPP after expansion to 2800 MW shall be 24,381 M³/Hr. which is proposed to be met from the Arabian Sea. Marine EIA has been carried out by NIO, Goa. NIO has recommended for design of sub-marine pipeline leak proof and regular post project monitoring of coolant seawater, etc.
- **Fly Ash:** It is proposed to utilize 100% of the fly ash generated from the project as per the Fly Ash Notification.
- **Compliance:** Compliance of EC conditions, E (P) Act, 1986, Rules and MoEF&CC. Notifications issued time to time shall be achieved. Environmental Impact Assessment for the proposed project was conducted by National Environmental Engineering Research Institute (NEERI). All the recommendations of NEERI and NIO shall be implemented. As recommended by NEERI, a cement grinding unit of 1-2 MTPA shall be set up for better utilisation of fly ash.
- **CRZ:** Karnataka Coastal Zone Management Authority (KCZMA) has given recommendation for grant of CRZ clearance for laying of seawater intake and marine outfall pipelines along with intake well and outfall diffuser in the existing 25 meter wide corridor. Mangrove plantation shall be carried out.
- **Capital Cost:** Total estimated project cost is Rs. 11,500 crores. Budget for pollution control measures is Rs. 1,888.55 Crores (capital) and Rs. 828.51 Crores (recurring). Capital budget during project construction period for social welfare measures is Rs. 35 Crores.

As per General Conditions number 'x' of Environmental Clearance, copies of clearance letter is available with the State Pollution Control Board. They also be seen at the Website of MoEF&CC at <http://envfor.nic.in>.

Sd-
Authorised Signatory
Udupi Power Corporation Limited
(A subsidiary Adani Power Limited)

URL's

<http://envfor.nic.in>

o/c



Dated: 03/08/17

To,

attached P.T.O

.....
.....
.....

Subject: For information regarding Environmental Clearance (EC) for Expansion of M/s Udupi Power Corporation Limited's 2x600 MW existing Thermal Power Plant (TPP) to 2800 MW by addition of 2x800 MW units.

Dear Sir,

Ministry of Environment, Forest and Climate Change (MoEFCC), Govt. of India, has granted Environmental Clearance (EC) for Expansion of M/s Udupi Power Corporation Limited's 2x600 MW existing Thermal Power Plant (TPP) by addition of 2x800 MW coal based Super Critical Units at Village Yelluru, Taluk Udupi, Dist. Udupi, Karnataka.

Project has been accorded environmental clearance vide letter no J-13012/12/2015-IA.I (T) dated 01.08.2017 of MoEFCC and copies of clearance letter are available with the State Pollution Control Board and may also be seen at the Website of MoEF&CC at <http://envfor.nic.in>.

We are also enclosing a copy of EC with this letter for your kind information please.

Thanking You,

Authorised Signatory
Udupi Power Corporation Limited
(A subsidiary of Adani Power Limited)

Udupi Power Corporation Limited
(A Subsidiary of Adani Power Limited)
Achalraj
Opp Mayor Bungalow, Law Garden
Ahmedabad 380 006
Gujarat, India
CIN: U31909KA1996PLC019918

Tel +91 79 2555 7555
Fax +91 79 2555 7177
info@adani.com
www.adani.com



TO,
Deputy Commissioner,
Udupi District,
D.C Office, Rajatadri,
Manipal, Udupi,
Karnataka – 576104

TO,
Joint Director,
District Industrial Center,
Shivalli Industrial Area,
Manipal, Udupi – District,
Karnataka – 576104

TO,
Municipal Commissioner,
City Municipal Council,
Udupi,
Karnataka – 576101

TO,
Chief Officer,
Town Municipal Council,
Kaup,
Udupi – District,
Karnataka – 576101

TO,
President,
Grama Panchayat Office,
Yelluru Village,
Udupi Taluk & District,
Karnataka – 574113

TO,
Chief Executive Officer,
Udupi District,
D.C Office, Rajatadri,
Manipal,
Udupi – District,
Karnataka – 576104

TO,
Executive President: Balakrishna,
Janajagrithi Samithi(Regd),
Nandikur, Udupi Taluk & District,
Karnataka - 574111

TO,
Executive Officer,
Taluk Panchayat - Udupi,
Udupi Taluk and District,
Karnataka – 576101

TO,
Executive Officer,
Taluk Panchayat - Karkala,
Karkala - Taluk,
Udupi – District
Karnataka – 574104

TO,
Executive Officer,
Taluk Panchayat - Kundapura,
Kundapura - Taluk,
Udupi – District,
Karnataka - 576201

TO,
President,
Grama Panchayat Office,
Nandikur - Village,
Udupi Taluk & District,
Karnataka – 574111

TO,
President,
Grama Panchayat Office,
Padubidri - Village,
Udupi Taluk & District,
Karnataka – 574111

TO,
President,
Grama Panchayat Office,
Tenka - Village,
Udupi Taluk & District,
Karnataka – 576105

TO,
President,
Grama Panchayat Office,
Belapu - Village,
Udupi Taluk & District,
Karnataka – 574117

TO,
President,
Grama Panchayat Office,
Kuthyar - Village,
Udupi Taluk & District,
Karnataka – 574504

TO,
President,
Grama Panchayat Office,
Bada - Village,
Udupi Taluk & District,
Karnataka

TO,
President,
Grama Panchayat Office,
Palimar - Village,
Udupi Taluk & District,
Karnataka - 574112

TO,
President,
Grama Panchayat Office,
Mudarangadi/Santhoor - Village,
Udupi Taluk and District,
Karnataka - 574116

TO,
President,
Grama Panchayat Office,
Balkunje - Village,
Mangalore Taluk,
Dakshina Kannada District,
Karnataka

TO,
President,
Grama Panchayat Office,
Shirva - Village,
Udupi Taluk & District,
Karnataka - 574116

TO,
President,
Grama Panchayat Office,
Majur - Village,
Udupi Taluk & District,
Karnataka - 574106

TO,
President,
Grama Panchayat Office,
Hejamady - Village,
Udupi Taluk & District,
Karnataka - 574103

TO,
President,
Grama Panchayat Office,
Nandalike - Village,
Karkalla - Taluk
Udupi - District,
Karnataka - 576126

TO,
President,
Grama Panchayat Office,
Belman - Village,
Karkalla – Taluk
Udupi – District,
Karnataka – 576111

TO,
President,
Grama Panchayat Office,
Inna - Village,
Karkalla – Taluk
Udupi – District,
Karnataka – 576121

TO,
President,
Grama Panchayat Office,
Mundkoo - Village,
Karkalla – Taluk
Udupi – District,
Karnataka - 574121

ದಿನಾಂಕ: 03.08.2017

ರಿಗೆ,

ಮಾನ್ಯರೇ,

ವಿಷಯ: ಮೆ. ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಷನ್ ಲಿಮಿಟೆಡ್ ರವರ 2 x 600 ಮೆ.ವ್ಯಾ ಇರುವ ಘಟಕಕ್ಕೆ ಹೆಚ್ಚುವರಿ 2 x 800 ಮೆ.ವ್ಯಾ ಘಟಕವನ್ನು ಸೇರಿಸಿ ಒಟ್ಟು 2800 ಮೆ.ವ್ಯಾ ಸ್ಥಾಪಿಸಲು ವಿಸ್ತರಣೆಗೆ ಪರಿಸರ ನಿರಾಪೇಕ್ಷಣಾ ಪತ್ರ ನೀಡಿರುವ ಬಗ್ಗೆ

ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯ ಭಾರತ ಸರ್ಕಾರವು ಮೆ. ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಷನ್ ಲಿಮಿಟೆಡ್ ಎಲ್ಲೂರು ಗ್ರಾಮ, ಉಡುಪಿ ತಾಲೂಕು ಮತ್ತು ಜಿಲ್ಲೆ, ಕರ್ನಾಟಕರವರ 2 x 600 ಮೆ.ವ್ಯಾ ಘಟಕಕ್ಕೆ ಹೆಚ್ಚುವರಿ 2 x 800 ಮೆ.ವ್ಯಾ ಕಲ್ಲಿದ್ದಲು ಆಧಾರಿತ ಸೂಪರ್ ಕ್ರಿಟಿಕಲ್ ಘಟಕಗಳನ್ನು ಸ್ಥಾಪಿಸಿ 2800 ಮೆ.ವ್ಯಾ.ವರೆಗೆ ವಿಸ್ತರಿಸಲು ಪರಿಸರ ನಿರಾಪೇಕ್ಷಣಾ ಪತ್ರವನ್ನು ನೀಡಿರುತ್ತದೆ.

ಸದರಿ ಯೋಜನೆಗೆ ಪರಿಸರ ನಿರಾಪೇಕ್ಷಣಾ ಪತ್ರವನ್ನು ಪತ್ರ ಸಂಖ್ಯೆ J-13012/12/2015-I.A.I(T) ದಿನಾಂಕ: 01.08.2017 ರನ್ವಯ ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯವು ನೀಡಿರುತ್ತದೆ ಮತ್ತು ಸದರಿ ನಿರಾಪೇಕ್ಷಣಾ ಪತ್ರದ ಪ್ರತಿಗಳನ್ನು ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿಯ ಕಛೇರಿಯಲ್ಲಿ ಮತ್ತು ಪರಿಸರ, ಅರಣ್ಯ ಮತ್ತು ಹವಾಮಾನ ಬದಲಾವಣೆ ಮಂತ್ರಾಲಯದ ವೆಬ್‌ಸೈಟ್ <http://envfor.nic.in> ರಲ್ಲಿ ಲಭ್ಯವಿರುತ್ತದೆ. ಪರಿಸರ ನಿರಾಪೇಕ್ಷಣಾ ಪತ್ರದ ಪ್ರತಿಯನ್ನು ಈ ಪತ್ರದೊಂದಿಗೆ ಲಗತ್ತಿಸಿ ತಮ್ಮ ಅವಗಾಹನೆಗೆ ಸಲ್ಲಿಸಿದೆ.

ಧನ್ಯವಾದಗಳೊಂದಿಗೆ,

ಅಧಿಕೃತ ಸಹಿ

ಉಡುಪಿ ಪವರ್ ಕಾರ್ಪೊರೇಷನ್ ಲಿ.
(ಅದಾನಿ ಪವರ್ ಲಿ. ನ ಅಂಗ ಸಂಸ್ಥೆ)

(ಅನುವಾದಗೊಂಡ/ತರ್ಜುಮೆಗೊಂಡ ಪ್ರತಿ)



J-13012/12/2015-IA.I (T)
Government of India
Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road,
Aliganj, New Delhi-110003.

Dated: 01.08.2017

To
M/s Udupi Power Corporation Ltd.
Lotus Tower, 1st Floor, 34,
Devaraja Urs Road, Race Course,
Bangalore-560001.

Tel No. 080-40254025; Fax No. 080-40254000.

Sub: Expansion by addition of 2x800 MW (Phase-II) Imported Coal based Super Critical Thermal Power Project at Village Yelluru, Taluk Udupi, Distt. Udupi in Karnataka by M/s Udupi Power Corporation Limited (UPCL)- reg. Environmental Clearance.

Sir,

This has reference to your online application dated 27.12.2016 and the additional documents submitted vide letters dated 12.1.2017, 27.2.2017, 3.4.2017 and 2.6.2017 w.r.t the above mentioned project.

2. It has been noted that Terms of Reference has been issued for the above mentioned project on 13.5.2015 for preparation of EIA/EMP studies and carrying out Public Consultation. It has been inter-alia noted that the proposal is for setting up of 2x800 MW Imported Coal based Super Critical Thermal Power Project within the premises of 2x660 MW (Phase-I) Power Plant which is under operations at Village Yelluru, Taluk Udupi, Distt. Udupi in Karnataka. Environment Clearance for Phase-I (2x600 MW) has been initially accorded on 9.9.2009. CRZ clearance for Phase-I (2x600 MW) for laying sea water intake and marine outfall pipelines has been accorded by the Ministry on 18.5.2010. Subsequently, consolidated Environment Clearance has been accorded on 1.9.2011.

3. There are no national parks, wildlife sanctuaries, Elephant/Tiger reserve, Migratory routes, wildlife corridor notified or proposed to be notified in 10 km radius of the project. Nearest railway station is Padubidri, nearest airport is at Mangalore and nearest seaport is New Mangalore Port Trust which is located at a distance of 3 km, 35 km and 30 km, respectively. NH-66 is at 5 km away from the proposed project. River Mulki and Udayavarna are at about 5 km South and 6 km north, respectively. Proposed project site conforms to the prescribed guidelines in terms of distance over 500 m from High Flood Level (HFL) of the river, highways and railway line. The nearest water body is Arabian sea which is 4.5 km. Project area falls under Seismic Zone III.

4. The total land requirement for the proposed project is about 730 acres (295.4 ha) that includes 180 acres for main plant, 278 acres for Ash dyke and 272 acres for railway yard/MGR facilities inside the plant. The area where the existing 2x600 MW plant is located and also where the 2x800 MW units expansion project is proposed are already declared as an industrial area in 1995 and 1998 under Section 3(1) of Karnataka Industrial Area Development Act (KIADA 1966) in the gazette of Karnataka.

5. The proposed project will be in notified industrial area as per KIADA 1966 in the gazette of Karnataka. Land acquisition is being done by Karnataka Industrial Area

Development Board (KIADB) as per Karnataka Industrial Area Development Act, 1966 which have inbuilt mechanism for Resettlement and Rehabilitation (R&R). After notification of 168.10 Ac land, which is part of the total land, under 28 (4) of KIADA, Compensation Fixation Committee Chaired by District Commissioner of Udupi has fixed the Compensation and R&R package with consent of the all project affected people of this part of the land. Other land area is in the process of acquisition by KIADB for which notification under Sections 28 (1) and 28 (3) of KIADA has been completed and R&R package shall be fixed in similar manner by Compensation Fixation Committee. M/s UPCL have agreed for the same Compensation and R&R package for all the project affected people from total 730 acres land proposed for this project. DCF, Kundapura, Karnataka Forest Department vide their letter dated 27.5.2017 mentioned that there is no forest land including deemed forest is being diverted in favour of M/s UPCL.

6. Supercritical (SC) and Ultra-Supercritical (USC) technology are being considered which will be coalfired. Boiler is designed for blended coal in the ratio of 70% Imported coal and 30% domestic coal. Coalfired boilers will be producing steam at about 270 bar at 600-610 OC. Annual coal requirement is 6.20 MTPA at a Plant Load Factor (PLF) of 85%. Till the domestic allocation from MoC is received, 100% imported coal from Australia and Indonesia will be used. In either case, Ash content in the coal mix shall be maximum 25% and Sulphur content shall be maximum 0.5%. Expected GCV of the blended coal is 3,900-4,000 kcal/kg, moisture: 16-18%, Ash: 23.0-25.0, Sulphur: <0.5%, fixed carbon: 31.0-33.0%, volatile matter: 20.0-23.0, etc. Station Heat Rate of proposed plant will be 2081/Kwh at PLF 85%. MoU between M/s Adani Global PTE Ltd. and Udupi Power Corporation Ltd. has been made on 16.1.2017 for supply of 9 MTPA imported coal with GCV: 4000-5000 kCal/Kg, Ash content: 18-25%, Sulphur content: Not specified.

7. The company is already having dedicated railway siding connected with Konkan railway from Nandikur railway station to the existing plant site. For existing 2x600 MW units, coal is handled at dedicated berth at New Mangalore Port Trust (NMPT), Mangalore. From NMPT, it is transported to the plant through Konkan railway line up to Nandikur railway station and then taken into plant through dedicated railway siding from Nandikur railway station. For proposed 2x800 MW units, Coal transportation route is the same as existing from NMPT to Nandikur railway Station and railway siding from Nandikur railway station to the plant site. However, route of railway siding within the plant shall be extended to cater to the proposed 2x800 MW project also. For extension of the railway siding route within plant boundary and coal yard, additional land shall be required.

8. Total water requirement for the proposed expansion project will be 14,381 m³/hr and will be drawn from the Arabian Sea. It also includes the requirement of desalination plant, cooling of water make up and electro chlorination. Due to operational constraints faced in the seawater intake system in the existing Phase-I, seawater intake system will be re-designed to cater to both Phase-I and Phase-II up to the seawater intake pump house. The seawater intake and outfall locations have been finalized by CSIR-NIO, Goa.

9. Power evacuation for the existing Phase-I (2x600 MW) unit is done through 400 kV outdoor switchyard to Hassan Substation of PGCIL through double circuit and also through 400/220 kV interconnecting transformer to 220 kV switchyard to feed Kemmar substation. For proposed Phase-II project, new 400 kV lines shall be provided.

10. Baseline Environmental Studies were conducted during winter season (January to March, 2016). The predominant wind direction is South-East during the study period. AAQ monitoring has been carried out at 8 locations during the study period. The 98th percentile values of 24 hourly concentrations of PM₁₀, PM_{2.5}, SO₂ and NO₂ ranged from 37-73 µg/m³, 14-20 µg/m³, 5-23 µg/m³ and 8-37 µg/m³, respectively.

Highest concentration of PM10 (75 µg/m³) was recorded at Pump house, PM2.5 (22 µg/m³) at Kollur Village, SO₂ (24 µg/m³) at Kollur village and NO₂ (40 µg/m³) at Kollur village. High concentrations of PM2.5, SO₂ and NO₂ recorded at Kollur village are due to the fact that air quality monitoring site was in close proximity to the chapatti making unit, which uses wood/coal in the unit. Pb concentration was found to be in the range of 0.01-0.15 µg/m³, highest being at Pump house site, which is close to NH-66. Concentration of As, Ni and Hg was found below detectable limit at all the locations. CO is in the range of 0.5-1.2 mg/m³. The observed concentrations at all locations were found to be below the National Ambient Air Quality Standards (NAAQMS 2009).

11. Noise levels (Leq) in residential areas varied from 54-73 dBA in daytime and from 38-45 dBA during nighttime. High noise levels during day as well as nighttime in Padubidri village was observed due to high traffic movement on NH-66 and also near Adani pump house close to the highway. Similarly, high noise levels were recorded at Palimar (near railway track) and village Mudrangadi (near market area). Noise levels (Leq) near various locations within the premises varied from 70-98 dBA in daytime.


12. Surface water samples collected from Mulki river and Papanashini river. Presence of high levels of chloride and salinity indicates that the Mulki river is highly influenced by coastal backwaters. As per CPCB classification, Papanashini water body could be classified under Class A i.e. drinking water source without conventional treatment but after disinfection.

13. The groundwater samples in the 5 km radius confirmed to the drinking water standards (IS-10500: 2012) for most of the parameters at all locations except for mercury and aluminum. Total coliforms were observed in all the samples, which varied from 10 to 130 CFU/100 ml, whereas fecal coliform were not detected. The groundwater quality in the 5-10 km region falls within drinking water standards (IS-10500: 2012) for most of the Physico-chemical parameters except for certain heavy metals such as nickel, lead, iron and molybdenum. Total Coliforms were observed in all the samples, which varied from 10 to 50 CFU/100 ml, whereas fecal Coliforms were not detected.

14. Cumulative air quality impact is predicted for the existing and proposed power plants. The maximum incremental ground level concentration has been predicted for PM10 is in the range of 2.4 µg/m³, SO₂: 7.9 µg/m³ and NO_x: 7.9 µg/m³ at a distance of 1.77 km in the WNW direction.

15. No major water body/nallah is passing through the proposed project. Hence no diversion is proposed. The capacities and course of two moderate size Natural Drains passing through the proposed 235 acres land on west side of the main plant shall be maintained even after creation of new facilities. The proposed ash pond area of 278 acres is undulating with presence of two first order natural drains and drain into Hoyamari Hole on its south.

16. Karnataka Coastal Zone Management Authority (KCZMA) has given recommendations for grant of CRZ clearance for laying of seawater intake and marine outfall pipelines along with intake well and outfall diffuser in the existing 25 m wide corridor vide Govt. of Karnataka Letter dated 1.4.2017. Existing pipeline runs to a total distance of 598 m out of which 520 m is in CRZ-III and 78 m is in CRZ-I. The existing intake point is 1,430 m inside the sea and outfall point is 670 m from HTL. Use of seawater for the existing 2x600 MW unit is 10,000 m³/hr, which is being now met from the Arabian sea. NIO recommended to set up intake pipes from Land fall point to Caisson with an option of off-shore pump house at proposed intake point in CRZ-IV at -6.8 meters CD and 650 m from shore-line. Outfall pipe to diffuser at proposed outfall point is in CRZ-IV at -7.5 m CD and 1750 m from the shore-line. Sea water requirement for TPP after expansion to 2800 MW shall be 24,381 m³/hr which is proposed to be met from the Arabian Sea. Marine EIA has been carried out by NIO,



Goa. NIO has recommended for design of sub-marine pipeline leak proof and regular post project monitoring of coolant seawater, etc.

17. Considering the expected coal quality with hourly coal firing rate of 832 TPH, a maximum amount of 208 TPH of ash will be generated from the proposed power plant. Out of this, the bottom ash will be about 20% of the total ash generated i.e. 41.6 TPH and the fly ash will be remaining 80% of total ash i.e., 166.4 TPH. It is proposed to utilize 100% of the fly ash generated from the project as per the Fly Ash Notification. All efforts will be made to utilize bottom ash for various purposes. Unused bottom ash will be disposed in the ash pond (278 acres/112.56 ha) through High Concentration Slurry Disposal facility. After the ash pond is abandoned, its area will be reclaimed through tree plantation. HDPE liners will be provided in the ash pond in order to arrest any leaching and seepage of ash pond water into the groundwater table. UPCL has signed MoU with M/s Ashtech for off-take of 2500 Tonnes per day (TPD) of flyash, Magma Ash Tech Mangalore (2000 MT/day), Sun Power Cement Palakkat (400 MT/day), Invicrete Cement Ltd (1000 MT/day), Vintech India Corporation (300 MT/day) for flyash disposal.

18. Risk Assessment has been conducted for possible hazardous (LDO/HSD, H2 cylinder). Risk Mitigation Measures have been incorporated. Off site and on site disaster management plans have been prepared.

19. Installation of FGD, ESPs with >99.99% efficiency, provision of 275 m height stack for dispersion of gaseous emissions, providing the De-NOx system, dust extraction system, greenbelt development, etc. are the major environment protection measures proposed. 180 acres (72.9 ha) out of total land of 730 acres (295.65 ha) for Phase-II (2x800 MW) will be utilized for developing the greenbelt.

20. Karnataka State Pollution Control Board has conducted Public Hearing on 10.11.2016 at Paniyooru Durgadevi Higher Primary School, Yelluru, Udupi Taluk and District. Regional Office, Bangalore carried the site visit on 23.6.2016 and provided the certified compliance report.

21. There are four ongoing environmental cases pending related to the existing 2x600 MW Thermal Power Plant pending before Hon'ble NGT, Chennai. Application nos.26/2013m 27/2013, 28/2013, 51/2012. All the four cases are clubbed together and sub-judice before the NGT. Written statements are duly filed by all parties including MoEF&CC and final hearing of all parties on admissibility and merits are under progress. In addition, there are 28 cases pending on different subjects at various courts. Reply to the Complaint from Janajagrithi Samithi has been submitted.

22. NEERI has provided the scientific explanation on 2.6.2017 on environmental viability of the proposed project vis-a-vis previous recommendations of NEERI during Supreme Court directions. In 1996, it was reported that geographically the District is wedged between the Western Ghats to the east and the Arabian sea to the West. The nearest boundary of proposed ESZ for Western Ghats from the point source emission (stack) is 23 km away. Apart from localized construction impacts at the plant site during construction, no proposed activity or aspect of the UPCL expansion is found to be interacting and significantly impacting the soil environment or geological formation. Hence, the project activities of UPCL are not envisaged to alter the soil characteristics of the region. UPCL have proposed to install FGD in both the units to limit SO2 emissions to 100 mg/Nm3. As a result, total SO2 emissions from the plant will come down from the present 147.61 TPD (from 1200 MW) to 40.16 TPD (from 2,800 MW in future). Thus, there will be net reduction in SO2 emissions by 107.45 TPD which is substantial (72%). The proposed project after expansion is not anticipated to exert any significant impact on any receptor beyond 10 km radius of the stack and eco-sensitive area of the Western Ghats ESZ. Application of technological advancements taken place in last two decades with stricter compliance to emission norms makes the present proposal environmental viable.

23. Total estimated project cost is Rs.11,500 crores. Budget for pollution control measures is Rs. 1,888.55 crores (capital) and Rs.828.51 crores (recurring). Budget for greenbelt is Rs.30.9 crores (Capital) and Rs. 1 Crores (recurring). Funds earmarked for Biological conservation fund is Rs. 1 crores (capital) and Rs. 0.1 crores (recurring). Budget for social welfare measures is Rs.35 crores (capital) and Rs.8 crores (recurring). Total employment during operation period is 350 and during construction phase is 1,500.

24. The proposal was appraised by Re-constituted EAC (Thermal) in its 5th and 7th meetings held on 26.4.2017 and 28.6.2017. In acceptance of the recommendations of the Re-constituted EAC (Thermal Power) in its meeting held on 28.6.2017 and in view of the information, clarifications, documents submitted by you, **the Ministry hereby accords the Environmental Clearance** to the above project under the provisions of EIA Notification dated September 14, 2006 and subsequent amendments therein subject to compliance of the following Specific and General conditions.

A. Specific Conditions:

- (i) Total Ash and Sulphur content in the imported coal (6.2 MTPA) shall not exceed 25% and 0.5% respectively.
- (ii) Environmental Clearance is subject to out come of pending court cases pertaining to environment and ecology.
- (iii) Public Hearing commitments shall be fulfilled. A time bound action plan for implementing and addressing the public concerns shall be submitted to the Regional Office of the Ministry.
- (iv) All the recommendations of NEERI and NIO shall be implemented.
- (v) CRZ recommendations by KSCZMA vide their letter no.FEE 5 CRZ 2017 dated 1.4.2017 shall be implemented.
- (vi) As recommended by NIO, a cement grinding unit of 1-2 MTPA shall be set up for better utilisation of flyash.
- (vii) Mangrove plantation shall be carried out in consultation with Forest Department on the banks of River Mulki and Arabina sea.
- (viii) As per the Revised Tariff Policy notified by Ministry of Power vide dated 28.01.2016, project proponent shall explore the use of treated sewage water from the Sewage Treatment Plant of Municipality/ local bodies/ similar organization located within 50 km radius of the proposed power project to minimize the water drawl from surface water bodies, if any.
- (ix) Compliance of EC conditions, E(P) Act, 1986, Rules and MoEF&CC Notifications issued time to time shall be achieved by a qualified environment officer to be nominated by the Project Head of the Company who shall be responsible for implementation and necessary compliance.
- (x) MoEF&CC Notification S.O. 3305(E) dated 7.12.2015 and subsequent notifications issued time to time shall be implemented with respect to specific water consumption, zero liquid discharge and revised emission standards. The PM, SO₂, NO_x and Hg emissions shall not exceed 30 mg/Nm³, 100 mg/Nm³, 100 mg/Nm³ and 0.03mg/Nm³ respectively. The specific water consumption shall not exceed 2.5 m³/MWh and zero wastewater discharge shall be achieved.
- (xi) MoEF&CC Notifications on flyash utilization S.O. 763(E) dated 14.09.1999, S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 3.11.2009, S.O. 254(E) dated 25.01.2016 and subsequent amendments shall be complied with.
- (xii) Separate Environmental Clearance may be obtained for the proposed Township as applicable under EIA Notification 2006.
- (xiii) Skill mapping of the Project Affected People (PAF) be carried out on a long-term basis for their livelihood generation. A report is to be submitted within 3 months to the Ministry from the date of issuance of environmental clearance.



- (xiv) Modern methods of agriculture organic farming, compost/vermiculture making and utilization, drip/direct to root irrigation) to be promoted in and around the Project area.
- (xv) While implementing CSR,
- Women empowerment is important. Therefore, proper skill based training/long term livelihood revenue generation be created for all them.
 - Computer facilities may be provided in the school along with a trained computer teacher to inculcate computer skill among the youths.
 - Water supply provisions shall be made for all the bio-toilets under Swachh Bharat Abhiyan.
 - Preventive health programme may be preferred than the curative health programme such as nutrition development of small children in and around the project.
- (xvi) Vision document specifying prospective plan for the site shall be formulated and submitted to the Regional Office of the Ministry within **six months**.
- (xvii) Harnessing solar power within the premises of the plant particularly at available roof tops shall be carried out and status of implementation including actual generation of solar power shall be submitted along with half yearly monitoring report.
- (xviii) A long term study of radio activity and heavy metals contents on coal to be used shall be carried out through a reputed institute and results thereof analyzed every two year and reported along with monitoring reports. Thereafter mechanism for an in-built continuous monitoring for radio activity and heavy metals in coal and fly ash (including bottom ash) shall be put in place.
- (xix) Online continuous monitoring system for stack emission, ambient air and effluent shall be installed.
- (xx) High Efficiency Electrostatic Precipitators (ESPs) shall be installed to ensure that particulate emission does not exceed 30 mg/Nm³ or as would be notified by the Ministry, whichever is stringent. Adequate dust extraction system such as cyclones/bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided along with an environment friendly sludge disposal system.
- (xxi) Adequate dust extraction system such as cyclones/ bag filters and water spray system in dusty areas such as in coal handling and ash handling points, transfer areas and other vulnerable dusty areas shall be provided.
- (xxii) Monitoring of surface water quantity and quality shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained. Monitoring for heavy metals in ground water shall also be undertaken and results/findings submitted along with half yearly monitoring report.
- (xxiii) A well designed rain water harvesting system shall be put in place within six months, which shall comprise of rain water collection from the built up and open area in the plant premises and detailed record kept of the quantity of water harvested every year and its use.
- (xxiv) No water bodies including natural drainage system in the area shall be disturbed due to activities associated with the setting up/operation of the power plant.
- (xxv) Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.

- (xxvi) Fly ash shall be collected in dry form and storage facility (silos) shall be provided. Mercury and other heavy metals (As, Hg, Cr, Pb etc.) shall be monitored in the bottom ash. No ash shall be disposed off in low lying area.
- (xxvii) No mine void filling will be undertaken as an option for ash utilization without adequate lining of mine with suitable media such that no leachate shall take place at any point of time. In case, the option of mine void filling is to be adopted, prior detailed study of soil characteristics of the mine area shall be undertaken from an institute of repute and adequate clay lining shall be ascertained by the State Pollution Control Board and implementation done in close co-ordination with the State Pollution Control Board.
- (xxviii) Fugitive emission of fly ash (dry or wet) shall be controlled such that no agricultural or non-agricultural land is affected. Damage to any land shall be mitigated and suitable compensation provided in consultation with the local Panchayat.
- (xxix) Green Belt consisting of three tiers of plantations of native species all around plant and at least 50 m width shall be raised. Wherever 50 m width is not feasible a 20 m width shall be raised and adequate justification shall be submitted to the Ministry. Tree density shall not be less than 2500 per ha with survival rate not less than 80 %.
- (xxx) Green belt shall also be developed around the Ash Pond over and above the Green Belt around the plant boundary.
- (xxxi) The project proponent shall formulate a well laid Corporate Environment Policy and identify and designate responsible officers at all levels of its hierarchy for ensuring adherence to the policy and compliance with the conditions stipulated in this clearance letter and other applicable environmental laws and regulations.
- (xxxii) CSR schemes identified based on need based assessment shall be implemented in consultation with the village Panchayat and the District Administration starting from the development of project itself. As part of CSR prior identification of local employable youth and eventual employment in the project after imparting relevant training shall be also undertaken. Company shall provide separate budget for community development activities and income generating programmes.
- (xxxiii) For proper and periodic monitoring of CSR activities, a CSR committee or a Social Audit committee or a suitable credible external agency shall be appointed. CSR activities shall also be evaluated by an independent external agency. This evaluation shall be both concurrent and final.


B) General Conditions:

- (i) The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.
- (ii) A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation.
- (iii) Adequate safety measures shall be provided in the plant area to check/minimize spontaneous fires in coal yard, especially during summer season. Copy of these measures with full details along with location plant layout shall be submitted to the Ministry as well as to the Regional Office of the Ministry.
- (iv) Storage facilities for auxiliary liquid fuel such as LDO/ HFO/LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Sulphur content in the liquid fuel will not exceed 0.5%. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.
- (v) First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.

- (vi) Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record and for treatment for any hearing loss including shifting to non noisy/less noisy areas.
- (vii) Regular monitoring of ambient air ground level concentration of SO₂, NO_x, PM_{2.5} & PM₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.
- (viii) Utilization of 100% Fly Ash generated shall be made from 4th year of operation. Status of implementation shall be reported to the Regional Office of the Ministry from time to time.
- (ix) Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (x) The project proponent shall advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned within seven days from the date of this clearance letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the State Pollution Control Board/Committee and may also be seen at the Website of MoEF&CC at <http://envfor.nic.in>.
- (xi) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad / Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.
- (xii) The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM (PM_{2.5} & PM₁₀), SO₂, NO_x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.
- (xiii) The environment statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of the Ministry by e-mail.
- (xiv) **The project proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to MoEF&CC, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, MoEF&CC.**

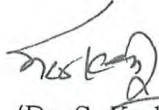
- (xv) The progress of the project shall be submitted to CEA on six monthly basis.
- (xvi) Regional Office of the MoEF&CC will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. **Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.**
- (xvii) Separate funds shall be allocated for implementation of environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the Ministry.
- (xviii) The project authorities shall inform the Regional Office as well as the Ministry regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.
- (xix) Full cooperation shall be extended to the Scientists/Officers from the Ministry / Regional Office of the Ministry / CPCB/ SPCB who would be monitoring the compliance of environmental status.
- C)** An as built or as completed report on EMP to be submitted stating the scope/extent of work envisaged in the EIA along with estimated cost vis-à-vis the actual completed works and cost incurred. A certificate/completion certificate accordingly, shall have to be submitted before commissioning of the TPP.
25. The Ministry reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.
26. The environmental clearance accorded **shall be valid for a period of 7 years** from the date of issue of this letter to start operations by the power plant.
27. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
28. In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.
29. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.
30. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,


(Dr. S. Kerketta)
Director

Copy to:-

1. The Secretary, Ministry of Power, Shram Shakti Bhawan, Rafi Marg, New Delhi 110001.
2. The Chairman, Central Electricity Authority, Sewa Bhawan, R.K. Puram, New Delhi-110066.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forests and Climate Change, Regional Office (SZ), Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, Koramangala II Block, Bangalore - 560034.
5. The Secretary (Environment and Ecology), Department of Forest Environment & Ecology, Govt. of Karnataka, Room No. 708, Gate 2, Multi Storied Building, Dr.Ambedkar Veedhi, Bangalore - 560 001
6. The Chairman, Karnataka State Pollution Control Board, Parisara Bhavan, #49, 4th & 5th Floor, Church Street, Bangalore-560001.
7. The Deputy Commissioner & District Magistrate, Udupi District, Karnataka-576101.
8. Guard file/Monitoring file.
9. Website of MoEF&CC.


(Dr. S. Kerketta)
Director

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309048IN
Counter No:1,OP-Code:03
To:EXECUTIVE OFFICER,TALUK PAN
KUNDAPURA, PIN:576201
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:27
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00



EK700

<<Track on www.indiapost.gov.in>>
SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700307325IN
Counter No:1,OP-Code:03
To:PRESIDENT,GRAMA PANCHAYATH
PADUBIDRI, PIN:574111
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:29
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



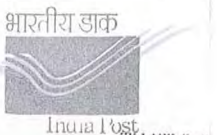
EK700

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309357IN
Counter No:1,OP-Code:03
To:PRESIDENT,GRAMA PANCHAYATH
BELMAN, PIN:576111
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:30
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



EK700

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309365IN
Counter No:1,OP-Code:03
To:PRESIDENT,GRAMA PANCHAYATH
INNA, PIN:576121
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:30
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



EK700

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700307444IN
Counter No:1,OP-Code:03
To:PRESIDENT,GRAMA PANCHAYATH
YERMAL, PIN:574119
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:32
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



EK700

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309096IN
Counter No:1,OP-Code:03
To:EXECUTIVE PRESIDENT,BALAKRISHNA
NANDIKUR, PIN:574111
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:33
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00



EK7003

<<Track on www.indiapost.gov.in>>
SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309082IN
Counter No:1,OP-Code:03
To:CHIEF EXECUTIVE OFFI,RAJATHADRI
MANIPAL, PIN:576104
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:34
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



EK700

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309290IN
Counter No:1,OP-Code:03
To:CHIEF OFFICER,TOWN MUNICI
KALP, PIN:574106
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:35
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



EK700

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309175IN
Counter No:1,OP-Code:03
To:MUNICIPAL COMM, CITY MUN
UDUPI, PIN:576101
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:35
Amt:41.00
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



EK700

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309122IN
Counter No:1,OP-Code:03
To:EXECUTIVE OFFICER,TAL PAN
KARKALA, PIN:574104
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:36
Amt:41.00



EK700

,CGST @% 3 ,SGST @%: 3.00
SP PILAR <574113>
<<Track on www.indiapost.gov.in>>
GSTN No: 29AAAGP0160R1ZV
EK700309119IN
Counter No:1,OP-Code:03
To:EXE OFFI,TAL PAN
UDUPI, PIN:576101
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:37
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309312IN
Counter No:1,OP-Code:03
To:FRESIDENT,PALIM
MUNDKUR, PIN:574121
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:40
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



S
E

A

W
F
De

SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309286IN
Counter No:1,OP-Code:03
To:JOINT DIRECTOR,DIST INDL CENTER
UDUPI, PIN:576104
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:38
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309105IN
Counter No:1,OP-Code:03
To:PRESIDENT,BELP
UCHILA, PIN:574117
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:41
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309167IN
Counter No:1,OP-Code:03
To:DEPUTY COMM,UD DIST
UDUPI, PIN:576104
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:38
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309207IN
Counter No:1,OP-Code:03
To:PRESIDENT,BADA
UCHILA, PIN:574117
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:41
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309309IN
Counter No:1,OP-Code:03
To:PRESIDENT,YLR VILL
YELLUR, PIN:574113
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:39
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309224IN
Counter No:1,OP-Code:03
To:PRESIDENT,KUTHYAR
UCHILA, PIN:574116
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:42
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309238IN
Counter No:1,OP-Code:03
To:PRESIDENT,PALIM
PALIMAR, PIN:574112
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:39
Amt:41.00
,CGST @% 3 ,SGST @%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK700309215IN
Counter No:1,OP-Code:03
To:PRESIDENT,MUDARANGADY
PILAR, PIN:574113
From:ADANI , UFCL
Wt:38grams, ,04/08/2017 ,12:43



EK700

120000
,CGST @9% 3 ,SGST @9%: 3.00
<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK7003093261IN
Counter No:1,OP-Code:03
To:PRESIDENT,SHIRVA

E.K.

Ant:41.00

,CGST @9% 3 ,SGST @9%: 3.00

<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK7003092411IN
Counter No:1,OP-Code:03
To:PRESIDENT,BALKUNJE

E.K.

MULKY, PIN:574154

From:ADANI , UPCL

Wt:38grams, ,04/08/2017 ,12:43

Ant:41.00

,CGST @9% 3 ,SGST @9%: 3.00

<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK7003093431IN
Counter No:1,OP-Code:03
To:PRESIDENT,HIJ

E.K.Z

HEJANADY, PIN:574103

From:ADANI , UPCL

Wt:38grams, ,04/08/2017 ,12:44

Ant:41.00

,CGST @9% 3 ,SGST @9%: 3.00

<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK7003093301IN
Counter No:1,OP-Code:03
To:PRESIDENT,MAJUR

E.K.Z

KALP, PIN:574106

From:ADANI , UPCL

Wt:38grams, ,04/08/2017 ,12:45

Ant:41.00

,CGST @9% 3 ,SGST @9%: 3.00

<<Track on www.indiapost.gov.in>>



SP PILAR <574113>
GSTN No: 29AAAGP0160R1ZV
EK7003090511IN
Counter No:1,OP-Code:03
To:PRESIDENT,MANDALIKE

E.K.

BELHANNU, PIN:576111



2

