



WEST COAST PAPER MILLS LTD.,

Registered & Works Office : Post Box No. 5, Bangur Nagar, Dandeli-581 325
Dist Uttara Kannada (Karnataka) - India

CORPORATE IDENTITY NO : L02101KA1955PLC001936 website : www.westcoastpaper.com
Ph : (08284) 231391 - 395 (5 lines) Fax : 08284-231225 (Admn. Office) 230443 (Works Office)



ZZQ/Environment Cell /MOEF/17/ 1933

21.11.2023

THE DIRECTOR (S),

Ministry of Environment & Forest,
Regional Office – (Southern Zone),
Kendriya Sadan, 4th Floor, E & F Wings, 17th Main Road,
2nd Block, Koramangala,
BANGALORE – 560 034.

Sub : Half Yearly Compliance Report in respect of Environment Clearance

**Ref : (1). Letter No J-11011 / 408 / 2006 – 1A. II (I) dated – 19-07-2007 of
Ministry of Environment & Forests. Government of India, New Delhi.
(2). EP/12.1/478/KAR/4536 dated: 20th May, 2009.**

Dear Sir,

With reference to the above, we enclose here with point wise Compliance Report from April-2023 to September -2023 (1st Half).

We hope, you will find the same in order.

Thanking You,

Yours faithfully,
For **WEST COAST PAPER MILLS LIMITED,**

**ANUJ KUMAR TAYAL
SR. VICE PRESIDENT (TECH)**

Encl: as above.

CC : ENVIRONMENT OFFICER,
Karnataka State Pollution Control Board,
Regional Office, "Parisara Bhavan",
LIG-11 b – 217, Near Hari Om Trust,
Habbuwada,
KARWAR

Speed Post with AD



Corporate Office : 31, Chowringhee Road, Kolkata - 700 016
Phone : (033) 2265 6271-78 (8 lines), Fax : (033) 2226 5242,
Email : wcpm.sale@westcoastpaper.com

West Coast Paper Mills Limited, Dandeli.

Compliance status from April - 2023 to September -2023(1st Half)

Date: 21-11-2023

Sub: Compliance Report for the Consent Conditions by Ministry of Environment & Forests.
Ref: E C No. J-11011/408/2006-1A. II (I), dated 19th July, 2007.

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|--|---|
| A. SPECIFIC CONDITION: | |
| i) The gaseous emissions (SPM, SO ₂ , NO _x , & H ₂ S) from various process units shall conform to the standards prescribed from time to time. The KSPCB may specify more stringent standards for the relevant parameters keeping in view the nature of the industry, its size & location. At no time, the emission level shall go beyond the prescribed standard in the event of failure of any Pollution Control system (S) adopted by the unit, the respective unit should not restarted until the control measure are rectified to achieve the desired efficiency. | The gaseous emissions from various process sections in the plant are maintained within stipulated norms as prescribed by KSPCB time to time. We are enclosing herewith the 6 months stack monitoring reports as Annexure-I . Noted |
| ii) Three on - line monitoring station for ambient air near the boundary of the plant shall be set up along with another on – line stack monitoring system for recovery boiler for particulate matter, SO ₂ , NO _x & H ₂ S & the on- line data shall be submitted to the CPCB & KSPCB. | Industry has installed 3 nos. of On-line CAAQM stations (One at Gate No.2, One at General Office and one more at ETP) within the plant area & 8 nos. of On-line stack monitoring stations for Rotary Lime Kiln, Chemical Recovery Boiler, and Power boilers. The data from the CAAQMS and stack on line stations are linked to CPCB/KSPCB servers. Photographs of the online stack monitoring and ambient air quality monitoring stations are enclosed as Annexure-II . All parameters are well within the NAAQ standards. The ambient air quality monitoring as well as stack monitoring reports by NABL lab is attached as Annexure-III . 6 months online monitoring of AAQMS and stack emission reports is enclosed as Annexure-I . |
| iii) The company shall phase out Elemental Chlorine from pulp bleaching process. Obsolete bleaching sequence (C/D-EP-H-D) technology shall be replaced by new Oxygen de- lignification combined with elemental chlorine free bleaching sequence (D ₀ -E ₀ p-D ₁) to bring down the pollution load. | To minimize the pollution load Industry has replace Obsolete bleaching sequence (C/D-EP-H-D) technology with new oxygen de-lignification system followed by elemental chlorine free bleaching sequence (D _{HT} -E ₀ p-D _{ND}). ECF Technology is in operation since 2009. |

West Coast Paper Mills Limited, Dandeli.

Compliance status from April - 2023 to September -2023(1st Half)

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|--|--|
| iv) ESP shall be provided to the new boiler viz. Coal fired boilers chemical recovery boiler & lime mud re-burning kiln & SPM emission shall be maintained below 150mg/Nm ³ . Low NOx burners shall be installed to the boilers. Dust suppression system shall be provided to coal yard. | Industry has provided ESPs for all the stacks of coal fired boilers, chemical recovery boiler & lime mud re burning kiln has been provided with ESP units. The SPM concentration is well below 150 mg/Nm ³ . Industry has installed efficient burner and Nox value in stack emission is less than stipulated standards. NABL lab analysis report of coal fired boilers, CRB boilers are attached as Annexure-III as stated above. For dust suppression at coal yard treated waste water sprinklers are used. Coal is also covered with tarpaulin in coal yard to avoid dust and partial quantity of coal is also being stored in closed coal shed. |
| v) Fugitive emission shall be controlled by providing dust collectors & water spraying system at material transfer points. Odour shall be controlled by installing odour collection system & subsequently incineration at Rotary kiln & monitoring of H ₂ S & Mercaptans shall be carried out once in a month in the work environment. | <p>Industry has installed efficient wood chippers for reduced dust generation & thus lowering the fugitive emission. Industry has installed treated waste water sprinkling system for coal & fly ash handling area. Partially coal is being kept in closed coal shed.</p> <p>Industry has installed non-condensable gases collecting system (M/s. A H Lundberg USA) from pulp mill area and burn it in Rotary kiln.</p> <p>The H₂S and Mercaptans testing is being carried out in every month. Enclosed the analysis reports of NABL lab as Annexure-III.</p> |
| vi) Total fresh water, requirement from River kali shall not exceed 1,00,000 m ³ /d & prior permission from the government of Karnataka for the remaining 15,000 m ³ /d shall be obtained. Effort shall be made to reduce water consumption by recycle & reuse. No ground water shall be extracted. The waste water from the process shall not exceed 85,885 m ³ /d. The wastewater shall be segregated into pulp mill & paper machine stream & treated independently in the effluent treatment plant (ETP) before discharge to Halmaddi Nala | Industry has obtained the permission to draw fresh water from Karnataka Government up to 1,00,000 m ³ /d fresh water from Kali river. Agreement is being signed/renewed with Water Resource Department, Government of Karnataka from time to time. Last agreement was signed on 10.08.2021 having validity upto 02.06.2023. For further renewal of agreement application is already made on 01.07.2022. |

West Coast Paper Mills Limited, Dandeli.

Compliance status from April - 2023 to September -2023(1st Half)

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|---|--|
| leading to river kali. | Industry make best efforts to reduce water consumption by recycle & reuse. Water drawn, water utilization and waste water generation details for 6 months (April-2023 to September-2023) is enclosed as Annexure-IV . At any point of day we are not exceeding the limits prescribed by the authorities. No ground water is being extracted. The waste water from pulp mill & paper machine stream is being treated independently in the effluent treatment plant (ETP) before discharge to Halmaddi Nalla leading to River Kali. |
| vii)The company shall make continued effort in reducing the volume of effluent discharge through recycling / reuse techniques & reducing the pollution load by adopting advanced wastewater treatment technologies. | Industry has installed state of art new Fibreline from M/s Valmet Sweden consisting of super batch cooking, high consistency screening and Twin roll press washing for Un bleach and Bleach pulp. We have installed new paper machine of 5.3 mtrs deckle and speed 1150 MPM supplied by M/s Voith Germany. The effective water management by closed recycling system helped us to minimize effluent discharge. In other areas also, we are continuously working by making investment in new technologies/equipment to further recycle/reuse the water with various initiative, our fresh water and effluent discharge has come down over a period and well with in stipulated norms. |
| viii)The performance of the Effluent Treatment plant shall be improved & effort shall be made to bring down the color, total suspended solids in the final treated effluent by adopting processes like activated Carbon filter, use of better flocculating & decolorizing agent etc. The quality of the treated effluent shall conform to the prescribed standards & used for irrigation. | Industry is putting continuous efforts to bring down the color in effluent. We are further taking trial of better flocculating agent/Polymer to bring down total suspended solids. To improve further reduction in effluent colour Industry is setting up tertiary treatment is in progress. However, presently the quality of the treated effluent conforms to the prescribed standards. We enclose herewith NABL lab analysis report as Annexure-V . |
| ix) Effort shall be made to reduce color in wastewater substantially after installation of | Industry had installed advanced cooking system and ECF bleaching due to which |

West Coast Paper Mills Limited, Dandeli.

Compliance status from April - 2023 to September -2023(1st Half)

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|--|--|
| advance cooking system and ECF bleaching. The use of Ferric/Ferrous chloride shall be optimized to further reduce the color in the treated effluent. | remarkable decrease in the effluent color is observed. Usage of Ferric/Ferrous chloride was stopped due to accumulation of inert materials and increase of Total Dissolved Solids in the treated effluent. |
| x) AOX level should not exceed 1.0 kg/ton of paper production and water quality shall be regularly monitored at discharge point and in the river. The company also shall have their own instrument for the measurement of AOX, TOC level in the treated effluent shall also be measured once in a month. | In 2010 Industry has installed Oxygen delignification (ODL) and ECF bleaching in Fibre plant. Due to this we are achieving significant reduction in AOX level and the AOX is Below Detectable Level in the present scenario and waste water quality is regularly monitored at discharge point and in the river. AOX and TOC are measured every month by NABL lab. Analysis report is enclosed as Annexure-V . |
| xi) Solid waste generated in the form of boiler ash shall be provided to cement/bricks manufacturing units. Lime grit shall be disposed off in low-lying areas. Chipper dust shall be used as fuel in existing boiler. Waste pulp from ETP shall be given to cardboard/ egg tray manufacturers. | Entire quantity of Fly ash and bottom ash are being provided to Brick Industries/Cement industries usage. Lime sludge is being recycled into the system. Lime grit is being disposed off in low-lying areas. The chipper dust is being used as fuel in our Coal boilers. Waste pulp from ETP is supplied to board/tray manufacturers. Details of fly ash sold to bricks manufacturers is enclosed as Annexure-VI . |
| xii) Efforts shall be made to bring down the noise level in the paper mill plant. | Industry has taken all necessary noise control measures like acoustic hoods, silencers, enclosure's etc., on high noise level generation are in place and properly maintained. Work place noise level survey is conducted on regular basis to identify areas with high noise levels. Noise monitoring reports are enclosed as Annexure-VII . Workers employed in high noise area are provided with proper PPE. |
| xiii) As per the recommendations made in the Charter on Corporate Responsibility for Environmental protection (CREP) issued by the CPCB shall be followed. | Charter on Corporate Responsibility for Environment protection (CREP) guidelines are followed. The copy of the compliance report is enclosed here with as Annexure -VIII . |

West Coast Paper Mills Limited, Dandeli.

Compliance status from April - 2023 to September -2023(1st Half)

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|--|---|
| xiv) Green belt shall be raised in at least 48 ha. (30%) out of total 155 ha to mitigate the effect of fugitive emissions all around the plant in as per the CPCB guidelines and in consultation with local DFO. | The green belt coverage is maintained as per requirement. Fresh planting is being done in vacant space. We plan to cover fresh green cover in empty space in the in and around plant area. At the same time, we are putting up green creeper/climber curtain in coal yard and other area to mitigate effect of fugitive emissions. Species for Green belt coverage is done in consultation with DFO. |
| xv) The company shall undertake rainwater-harvesting measure to recharge the ground water. | Industry has constructed sufficient numbers of rain water harvesting pits inside mill premises. Photographs of the rain water harvesting pits are enclosed as Annexure-IX . |
| xvi) Prior permission from the State Forest Department as the proposed expansion of the paper unit is located at 0.5 km of the Dandeli Reserve Forest. | Industry has taken permission from State Forest Government vide proceedings G.O. No: CI 19 SPI 2008 Bangalore dated 27-02-2008. |
| xvii) Prior approval of the National Board for Wild life shall be obtained since the proposed expansion of the paper unit is located within 2.0 km radius of the Dandeli Wild Life Sanctuary. | Industry has applied for Wildlife NOC vide our letter dated 8.12.2006. In spite of our continuous follow up we didn't receive NOC. However, based on State Wild life Deptt. advise we have again applied on line application vide FP/KA/5495/2020 dated 19-11-2020 which is under process. They have clarified that as per Draft Notification of 2016 for Kali Tiger Reserve, our factory is 9.4 KM away from the boundary of Kali Tiger Reserve and 6.6 Km away from Eco Sensitive Zone (ESZ). As such we are out of limit of ESZ of Sanctuary. State Wild Life Dept is following up with MoEF for issuing final notification. |
| B. GENERAL CONDITIONS: | |
| i) The project authorities must strictly adhere to the stipulations made by Karnataka State Pollution Board (KSPCB) and the state Government. | The Consent to Operate has been renewed by KSPCB from time to time and the validity of the present consent is up to 30-06-2026. We are meeting the stipulations made by KSPCB in the CTO such as compliance with emissions and discharge standards etc. |
| ii) No further expansion or modernization in the plant shall be carried out without prior | The execution of the project as per E C No. J-11011/408/2006-1A. II (I), dated 19th |

West Coast Paper Mills Limited, Dandeli.

Compliance status from April - 2023 to September -2023(1st Half)

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|--|---|
| approval of the Ministry of Environmental and Forests. In case of deviation or alteration in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to ministry to assess the adequacy of conditions imposed and to add additional environmental protection measure required if any. | <p>July, 2007 has been completed as per the approval of Ministry of Environment & Forest. The plant is already in operation.</p> <p>For further Mill Development Plan we have obtained the Environmental Clearance (EC) from MoEF vide letter No: J-11011 / 408 /2006 - 1A.II (I) dated 01-02-2021.</p> |
| iii) Proper housekeeping and cleanliness must be maintained within and outside the plant. | Industry has taken all the necessary measures for better housekeeping in & around mill area. We ensure that the plant area will be kept clean on continuous basis. |
| iv) The overall noise level in and around plant area shall be kept well within the standards (85 dBA) by providing noise control measure including acoustic hoods, silencers, enclosures etc. on all source of noise generation. The ambient noise levels should confirm to the standards prescribed under EPA Rules 1989 viz. 75 dBA (day time) and 70 dBA (night time) | <p>All necessary noise control measures like acoustic hoods, silencers, enclosure's etc., are in place at high noise level generation areas. Work place noise level survey is conducted on regular basis to identify areas with high noise levels and necessary precautionary measures are taken on regular basis and all efforts are taken to maintain the Noise level within the prescribed limit. The Noise level monitoring report is enclosed as Annexure-VII.</p> <p>Workers employed in high noise area are provided with proper PPE.</p> |
| v) Occupational health surveillance programme shall be undertaken as regular exercise for the entire employee, especially for those engaged in handling hazardous substances. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee should be maintained separately. | <p>Industry has full-fledged Occupational Health Centre (OHC) comprising of three resident doctors with 15 nos of supporting staff. We carry out periodically following:</p> <ul style="list-style-type: none"> • Pre-employment medical examinations for new recruits. • Eye test, Audiometry, Pulmonary Function and special Test are undertaken once in a year for all related employees having exposure to vulnerable working zones. • Medical records of all employees are maintained in OHC and feedback is provided to the employees on any general guidance on the health aspects etc. |

West Coast Paper Mills Limited, Dandeli.

Compliance status from April - 2023 to September -2023(1st Half)

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|--|--|
| vi) The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. | Industry is complying all the environmental protection measures and safeguards recommended in the EIA/EMP Letter no. ZZ/PD&P/18/1101/27046 dated 13 th Nov, 2006. |
| vii) The implementation of the project vis-à-vis environmental action plans shall be monitored by Ministry's Regional Office at Bangalore / CPCB. A six monthly compliance status shall be submitted to the monitoring agencies. | The execution of the project has been completed as per the approval of Ministry of Environment & Forest. Six monthly compliance reports are being sent to monitoring agencies MoEF, CPCB and KSPCB Regional office. |
| viii) Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation, etc., shall be ensured for construction workers during the construction phase so as to avoid falling of trees & pollution of water & surroundings. | The execution of the project has been completed as per the approval of Ministry of Environment & Forest. The construction workers were provided with the necessary infrastructure as per the applicable rules & regulations during respective jobs allotted to them. |
| ix) The project proponent shall have a scheme for social upliftment in the surrounding villages with reference to contribution in road construction, education, establishment of health centers, sanitation facilities, drinking water supply, community awareness & employment to local people whenever & wherever possible both for technical & non-technical jobs. | Industry is carrying various social upliftment initiative as a part of CSR. Copy of CSR Report is attached as Annexure - X . Employment to local people is being considered whenever & wherever possible based on skill/experience/job requirement. We are complying Dr Sarojini Mahishi Report about employment of local. We employ 100 % 'C' & 'D' class of employees from local area. |
| x) A separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the various Environmental Management and monitoring functions shall be set up under the control to Senior Executive. | Industry has Environmental Management Cell equipped with full-fledged laboratory. Copy attached as Annexure – XI . |
| xi) As proposed in EIA/EMP, Rs. 241.75 Crores & Rs. 150.00 Lakhs earmarked towards the capital cost & recurring cost per annum for Environmental Pollution Control measures respectively shall be used judiciously to implement the conditions stipulated by the Ministry of Environment & Forests as well as the state government & an implementation schedule for implementing all the conditions stipulated here in shall be submitted to the | As proposed in EIA we have installed Fiber line & ECF chlorine dioxide generation plant, oxygen delignification plant, white liquor oxidation plant, Chimneys with ESP, lime kiln, waste water up gradation comprising of effluent clarifier, Mist cooling system & dewatering press for effluent sludge. Noted. |

West Coast Paper Mills Limited, Dandeli.
Compliance status from April - 2023 to September -2023(1st Half)

| EC Conditions | WCPM compliance Status from April-2023 to September-2023 |
|---|---|
| ministry's Regional Office Bangalore. The funds so provided shall not be diverted for any other purposes. | |
| xii) Six monthly status report on the project vis-à-vis implementation of Environmental measures shall be submitted to this Ministry's Regional Office at Bangalore/CPCB / KSPCB. | Six monthly status is regularly sent to KSPCB regional office/MoEF, Bangalore. |
| xiii) The project Proponent shall inform the public that the project has been accorded environment clearance by the Ministry & copies of the clearance letter are available with Karnataka State Pollution Control Board / Committee & may also be seen at Website of the Ministry of Environment & Forest at http://www.envfor.nic.in This shall be advertised within seven days from the date of issue of the clearance letter at least two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned & a copy of the same shall be forwarded to the regional office. | Industry had given the advertisement in the newspaper Indian Express dated 26-07-2007 in English & in the newspaper Kannada Janantaranga dated 26-07-2007 in Kannada, which is the local language. |
| xiv) The project Authorities shall inform the Regional Office as well as the Ministry, the date of financial closure & final approval of the project by the concerned authorities & the date of commencing the land development work. | Industry have taken the financial assistance by ECB of USD 105 million from ICICI Bank Ltd., led Syndicate & USD 40 million from IFC, Washington & USD 20 million from Barclays Bank Mauritius & entire disbursement is effected by 31-03-2009. Government of Karnataka had approved the project vide letter no G.O.CI 19 SPI 2008 Bangalore dated 27-02-2008. Project is already implemented & Regional office as well as Ministry are informed from time to time. |


ANUJ KUMAR TAYAL
SR. VICE PRESIDENT (TECH)

Annexure-I

Stack and Ambient report (CEMS & AAOMS)

| Sl.No | Stack | Parameters | Units | Norms | Average for the year | | | | | | | | | |
|-------|---------|------------------------|---------------------|----------|----------------------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | | | | |
| 1 | CRB I | Flow | Nm ³ /hr | 125000 | 110819 | 114563 | 115652 | 120389 | 115680 | 110659 | | | | |
| | | SPM, mg/N | mg/Nm ³ | < 150 | 58 | 66 | 59 | 52 | 58 | 50 | | | | |
| | | H ₂ S, mg/N | mg/Nm ³ | < 10 | 0.90 | 0.94 | 0.85 | 0.90 | 0.88 | 0.93 | | | | |
| 2 | CRB II | Flow | Nm ³ /hr | 225720 | 136768 | 167361 | 162613 | 145082 | 156794 | 153679 | | | | |
| | | SPM, mg/N | mg/Nm ³ | < 150 | 70 | 75 | 76 | 72 | 65 | 74 | | | | |
| | | H ₂ S, mg/N | mg/Nm ³ | < 10 | 0.93 | 0.99 | 0.95 | 0.99 | 0.92 | 0.91 | | | | |
| 3 | RLK I | Flow | Nm ³ /hr | 20,000 | 14307 | 14307 | 17059 | 14232 | 15673 | 17060 | | | | |
| | | SPM, mg/N | mg/Nm ³ | < 150 | 52 | 48 | 49 | 54 | 56 | 54 | | | | |
| | | Flow | Nm ³ /hr | 39,600 | 18312 | 21325 | 20679 | 22557 | 20734 | 23326 | | | | |
| 4 | RLK II | SPM, mg/N | mg/Nm ³ | < 150 | 64 | 68 | 67 | 68 | 60 | 67 | | | | |
| | | Flow | Nm ³ /hr | 92,000 | Shut | Shut | Shut | Shut | Shut | Shut | | | | |
| | | SPM, mg/N | mg/Nm ³ | < 150 | Shut | Shut | Shut | Shut | Shut | Shut | | | | |
| 6 | FBC II | Flow | Nm ³ /hr | 1,23,912 | Shut | Shut | Shut | Shut | 100473 | Shut | | | | |
| | | SPM, mg/N | mg/Nm ³ | < 150 | Shut | Shut | Shut | Shut | 76 | Shut | | | | |
| | | Flow | Nm ³ /hr | 1,38,480 | 109445 | 112364 | 121011 | Shut | 117641 | 112518 | | | | |
| 7 | FBC III | SPM, mg/N | mg/Nm ³ | < 150 | 66 | 57 | 65 | Shut | 62 | 63 | | | | |
| | | Flow | Nm ³ /hr | 1,44,108 | 126961 | 127087 | 132828 | 126759 | 127877 | 126961 | | | | |
| | | SPM, mg/N | mg/Nm ³ | < 150 | 73 | 82 | 78 | 69 | 72 | 78 | | | | |
| 8 | FBC IV | Flow | Nm ³ /hr | < 150 | 73 | 82 | 78 | 69 | 72 | 78 | | | | |
| | | SPM, mg/N | mg/Nm ³ | < 150 | 73 | 82 | 78 | 69 | 72 | 78 | | | | |
| | | Flow | Nm ³ /hr | < 150 | 73 | 82 | 78 | 69 | 72 | 78 | | | | |

AMBIENT AIR QUALITY PERFORMANCE REPORT

Administration Office

| S.No | Parameter | Units | Norms | Average for the year | | | | | | | | | |
|------|------------------|-------------------|-------|----------------------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | | | | |
| 1 | PM-2.5 | µg/m ³ | <60 | 24.0 | 36.0 | 22.0 | 23.0 | 22.0 | 25.0 | | | | |
| 2 | PM-10 | µg/m ³ | <100 | 54.0 | 74.0 | 47.0 | 50.0 | 49.0 | 55.0 | | | | |
| 3 | SO ₂ | µg/m ³ | <80 | 11.9 | 36.9 | 20.8 | 22.3 | 21.7 | 22.9 | | | | |
| 4 | Nox | µg/m ³ | <80 | 14.3 | 20.1 | 15.3 | 13.8 | 10.2 | 13.5 | | | | |
| 5 | H ₂ S | µg/m ³ | - | BDL | BDL | BDL | BDL | BDL | BDL | | | | |

Security Gate towards Halamaddi village

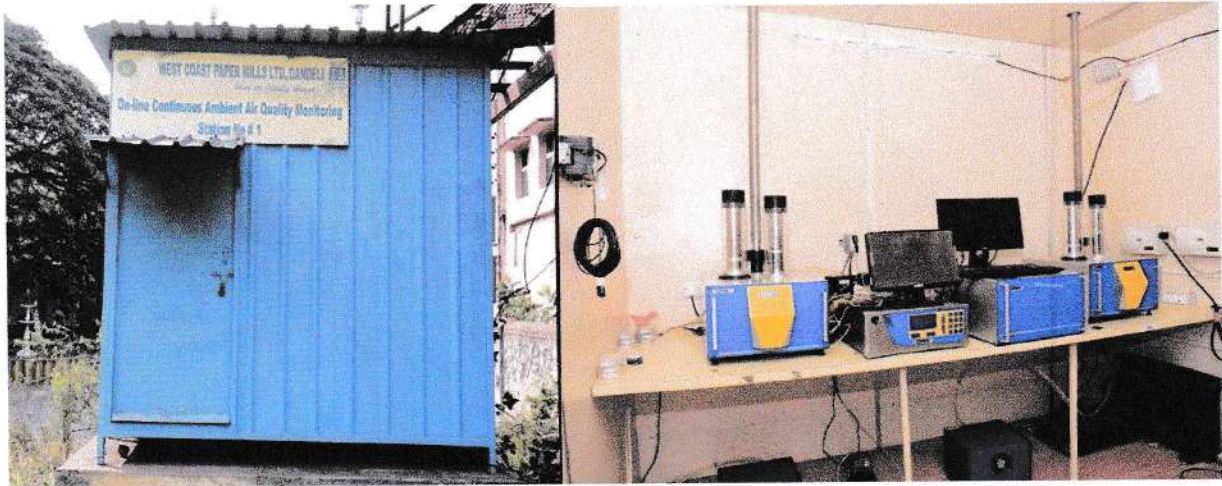
| S.No | Parameter | Units | Norms | Average for the year | | | | | | | | | |
|------|------------------|-------------------|-------|----------------------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | | | | |
| 1 | PM-2.5 | µg/m ³ | <60 | 31.0 | 27.0 | 29.0 | 27.0 | 30.7 | 31.0 | | | | |
| 2 | PM-10 | µg/m ³ | <100 | 65.0 | 55.0 | 61.0 | 63.0 | 62.6 | 61.0 | | | | |
| 3 | SO ₂ | µg/m ³ | <80 | 13.8 | 19.7 | 25.5 | 23.4 | 27.3 | 28.6 | | | | |
| 4 | Nox | µg/m ³ | <80 | 18.0 | 16.2 | 21.2 | 22.4 | 19.6 | 17.8 | | | | |
| 5 | H ₂ S | µg/m ³ | - | BDL | BDL | BDL | BDL | BDL | BDL | | | | |

ETP Area

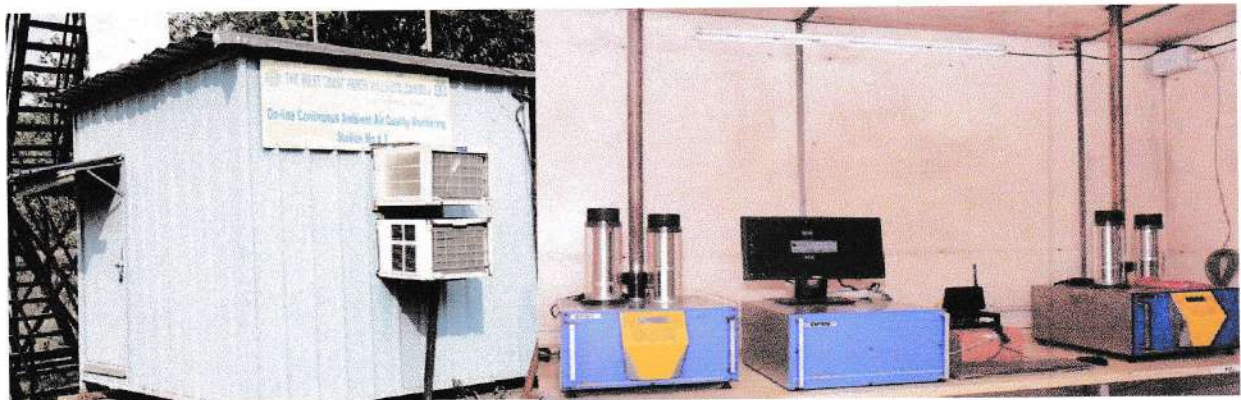
| S.No | Parameter | Units | Norms | Average for the year | | | | | | | | | |
|------|------------------|-------------------|-------|----------------------|--------|--------|--------|--------|--------|--|--|--|--|
| | | | | Apr-23 | May-23 | Jun-23 | Jul-23 | Aug-23 | Sep-23 | | | | |
| 1 | PM-2.5 | µg/m ³ | <60 | 24.0 | 31.0 | 28.0 | 26.0 | 27.0 | 29.0 | | | | |
| 2 | PM-10 | µg/m ³ | <100 | 56.0 | 66.0 | 67.0 | 57.0 | 60.0 | 65.0 | | | | |
| 3 | SO ₂ | µg/m ³ | <80 | 22.00 | 29.8 | 31.0 | 23.7 | 33.1 | 30.3 | | | | |
| 4 | Nox | µg/m ³ | <80 | 19.8 | 27.1 | 22.2 | 15.9 | 19.3 | 20.7 | | | | |
| 5 | H ₂ S | µg/m ³ | - | BDL | BDL | BDL | BDL | BDL | BDL | | | | |



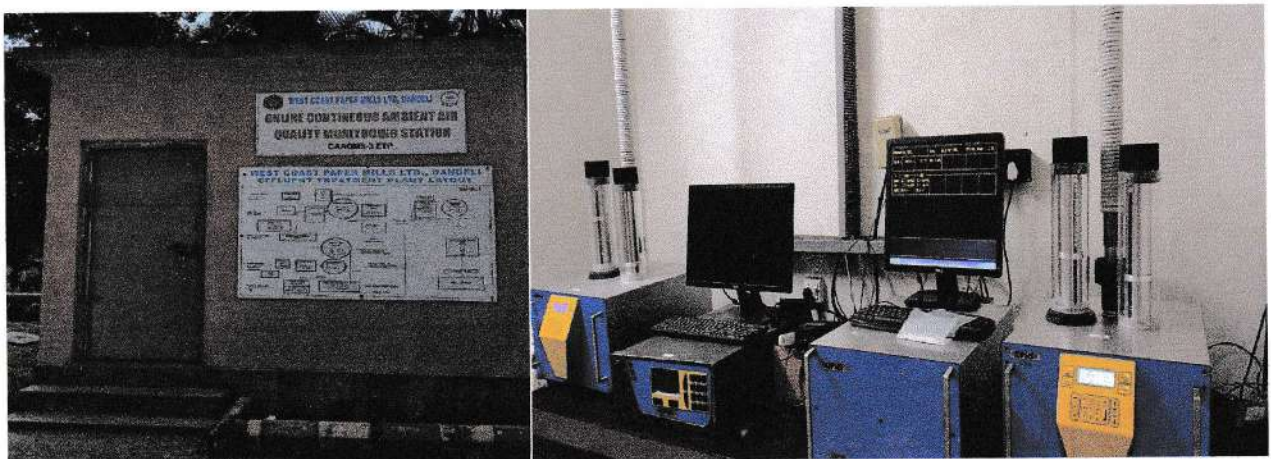
ANNEXURE-II
ADMINISTRATION OFFICE - AAQM STATION



MATERIAL GATE - AAQM STATION



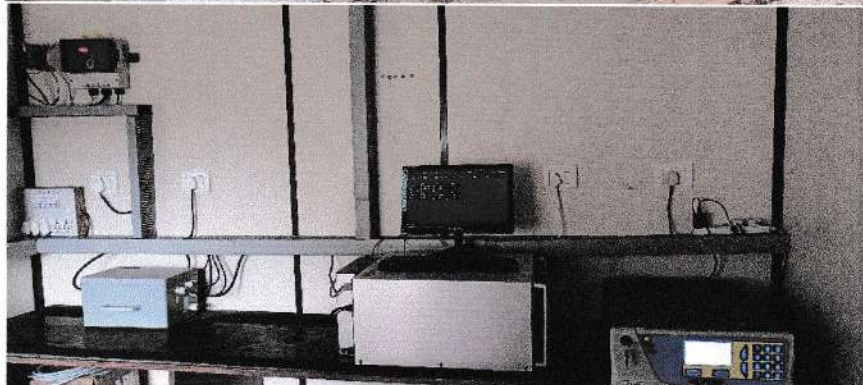
ETP - AAQM STATION



ANNEXURE-II
CRB-I CEMS



CRB-II CEMS



FBC 1 CEMS



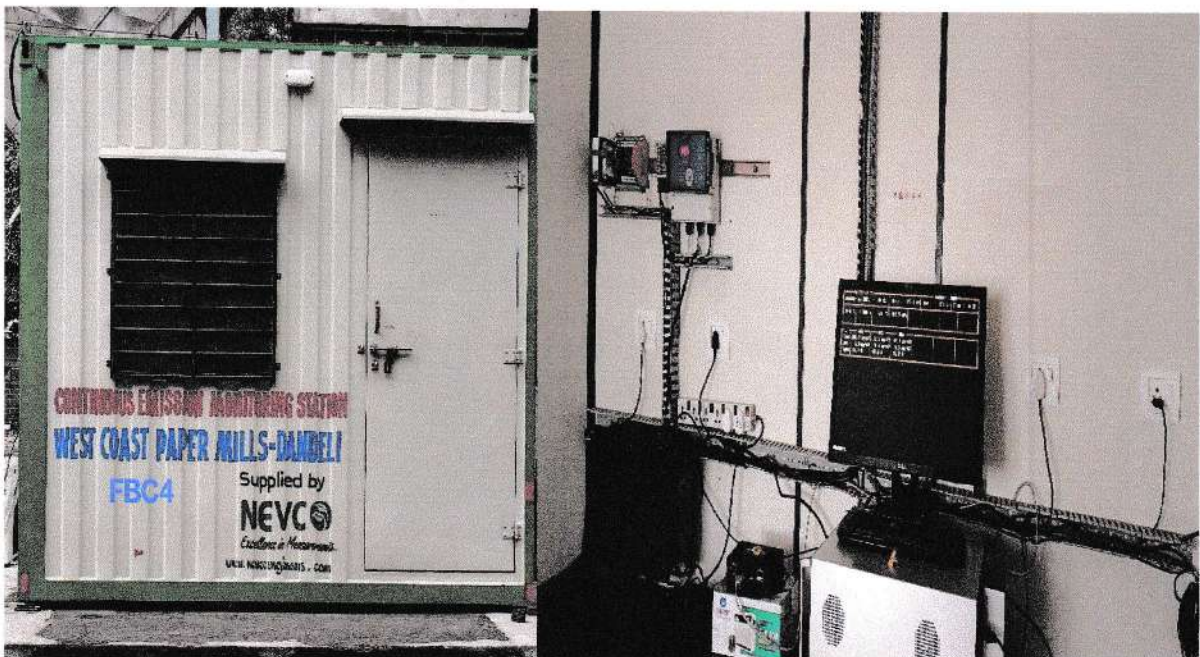
FBC 2 – CEMS



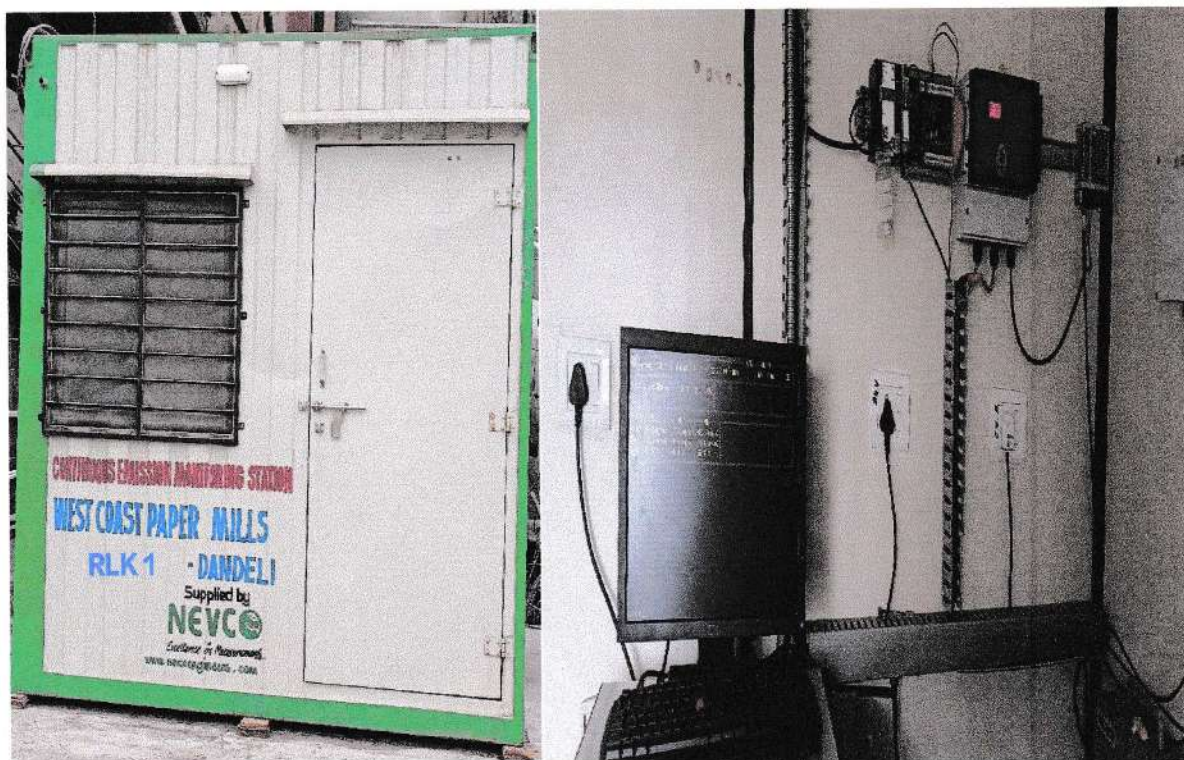
FBC 3 – CEMS



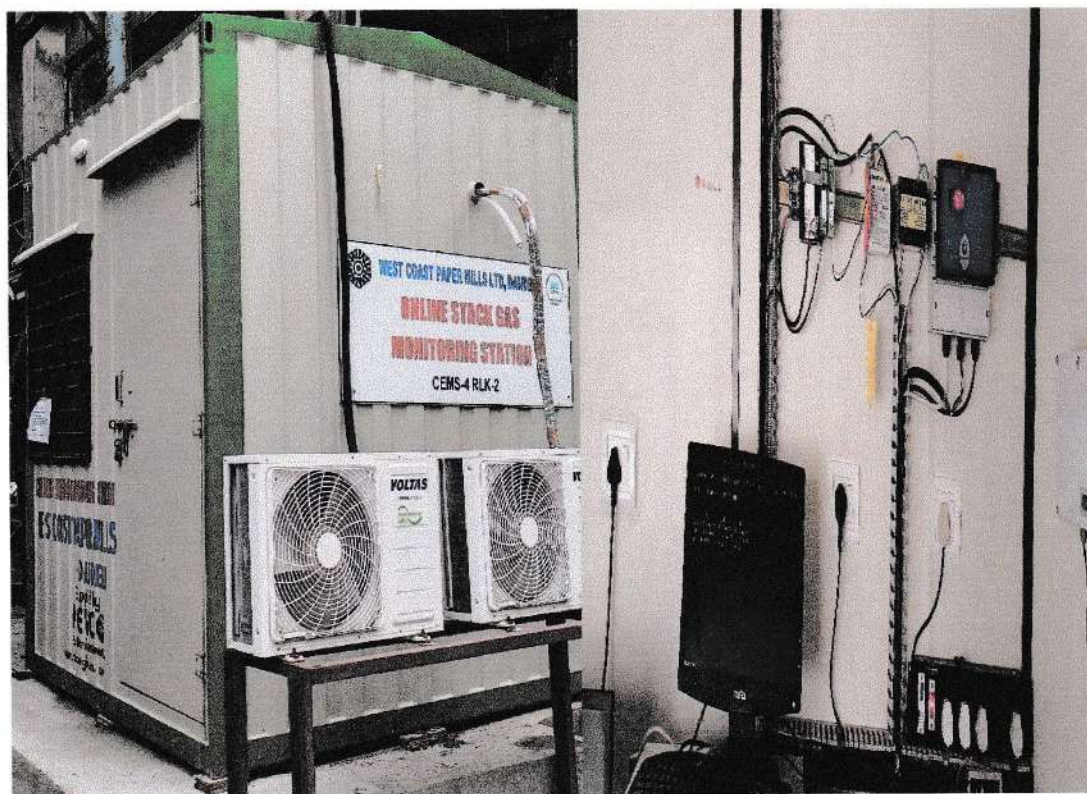
FBC 4 – CEMS



RLK 1 - CEMS



RLK 2 - CEMS



ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC-6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Annexure-III

Format No: NTLR/F/19/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

CRB - II(ENMASS)

Sample Description:

Thimble, SO₂ & NO₂ Solution

ULR Code No:

TC699023000007133P

Report Number:

NTLR/AUG/7133

Sample Number:

AUG/23/7133

Type of Sample:

STACK

Discipline :

Chemical

Group

Atmospheric Pollution

Sample Collected by:

Nichrome Testing Laboratory and
Research Private Limited

Particulars of Sample Collected:

Stack Sampler

Environmental Condition:

28° C

Date of Sampling :

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

24/08/2023

Date of Completion:

26/08/2023

Date of Report:

26/08/2023

Specification Standard:

KSPCB STANDARDS

GENERAL DETAILS

| | |
|----------------------------|--------------|
| Fuel Used | Black Liquor |
| Height (m) | 85 |
| Diameter (m) | 3.25 |
| Stack Temperature °C | 122 |
| Ambient Temperature °C | 29 |
| Flue Gas Velocity (m/sec.) | 8.18 |

RESULTS

| SL.NO | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|--------------------|--------------------|-------------------------|-------------------------|--------|-----------|
| 1 | Particulate Matter | mg/Nm ³ | IS 11255 (Part 1): 2014 | IS 11255 (Part 1): 2014 | 52.15 | 150 |
| 2 | Sulphur dioxide | mg/Nm ³ | IS 11255 (Part 2): 2014 | IS 11255 (Part 2): 2014 | 15.80 | - |
| 3 | Oxides of Nitrogen | mg/Nm ³ | IS 11255 (Part 7): 2017 | IS 11255 (Part 7): 2017 | 25.29 | - |

Inference as per KSPCB Consent Conditions

Above tested parameters are conforming to standards.



:-END OF REPORT:-



Authorized Signatory
Channabasappa Maikar (Chemical)

Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008

PH : 0836 -- 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/19/08

Page 1 of 1

TEST REPORT**Name of Customer and Address:**

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada – 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

CRB - II(ENMASS)

Sample Description:Thimble, SO₂ & NO₂ Solution**Report Number:**

NTLR/AUG-23/122

Sample Number:

AUG/22/7133

Type of Sample:

STACK

Sample Collected by:Nichrome Testing Laboratory and
Research Private Limited**Particulars of Sample Collected:**

Stack Sampler

Environmental Condition:

28° C

Date of Sampling :

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

24/08/2023

Date of Completion:

26/08/2023

Date of Report:

26/08/2023

Specification Standard:

KSPCB STANDARDS

GENERAL DETAILS

| | |
|------------------------------------|--------------|
| Fuel Used | Black Liquor |
| Height (m) | 85 |
| Diameter (m) | 3.25 |
| Stack Temperature ⁰ C | 122 |
| Ambient Temperature ⁰ C | 29 |
| Flue Gas Velocity (m/sec.) | 8.18 |

RESULTS

| SL.NO | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|--------------------------------------|--------------------|--------------------------|--------------------------|--------|-----------|
| 1 | Hydrogen Sulphide (H ₂ S) | mg/Nm ³ | IS 11255 (Part 4) : 2006 | IS 11255 (Part 4) : 2006 | BDL | 10 |

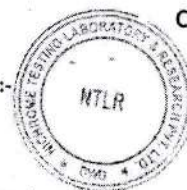
BDL: Below detectable limit, (H₂S – 5 mg/Nm³)

Inference as per KSPCB Consent Conditions

Above tested parameters are conforming to standards.



-END OF REPORT:-



Channabasappa Maikar
Authorized Signatory
Channabasappa Maikar (Chemical)

Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/19/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada – 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

RLK - I

Sample Description:

Thimble, SO₂ & NO₂ Solution

ULR Code No:

TC699023000007135F

Report Number:

NTLR/AUG/7135

Sample Number:

AUG/23/7135

Type of Sample:

STACK

Discipline :

Chemical

Group

Atmospheric Pollution

Sample Collected by:

Nichrome Testing Laboratory and
Research Private Limited

Particulars of Sample Collected:

Stack Sampler

Environmental Condition:

28° C

Date of Sampling :

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

24/08/2023

Date of Completion:

26/08/2023

Date of Report:

26/08/2023

Specification Standard:

KSPCB STANDARDS

GENERAL DETAILS

| | |
|----------------------------|-------------|
| Fuel Used | Furnace Oil |
| Height (m) | 51 |
| Diameter (m) | 1.40 |
| Stack Temperature °C | 128 |
| Ambient Temperature °C | 29 |
| Flue Gas Velocity (m/sec.) | 7.92 |

RESULTS

| SL.NO | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|--------------------|--------------------|--------------------------|-------------------------|--------|-----------|
| 1 | Particulate Matter | mg/Nm ³ | IS 11255 (Part 1): 2014 | IS 11255 (Part 1): 2014 | 47.53 | 150 |
| 2 | Sulphur dioxide | mg/Nm ³ | IS 11255 (Part 2) : 2014 | IS 11255 (Part 2): 2014 | 11.65 | - |
| 3 | Oxides of Nitrogen | mg/Nm ³ | IS 11255 (Part 7): 2017 | IS 11255 (Part 7): 2017 | 23.16 | - |

Inference as per KSPCB Consent Conditions

Above tested parameters are conforming to standards.



:-END OF REPORT



Authorized Signatory
Channabasappa Maikar (Chemical)

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/19/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

RLK - II

Sample Description:

Thimble, SO₂ & NO₂ Solution

ULR Code No:

TC699023000007134F

Report Number:

NTLR/AUG/7134

Sample Number:

AUG/23/7134

Type of Sample:

STACK

Discipline :

Chemical

Group

Atmospheric Pollution

Sample Collected by:

Nichrome Testing Laboratory and
Research Private Limited

Particulars of Sample Collected:

Stack Sampler

Environmental Condition:

28° C

Date of Sampling :

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

24/08/2023

Date of Completion:

26/08/2023

Date of Report:

26/08/2023

Specification Standard:

KSPCB STANDARDS

GENERAL DETAILS

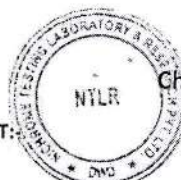
| | |
|----------------------------|-------------|
| Fuel Used | Furnace Oil |
| Height (m) | 55 |
| Diameter (m) | 1.35 |
| Stack Temperature °C | 117 |
| Ambient Temperature °C | 29 |
| Flue Gas Velocity (m/sec.) | 8.29 |

RESULTS

| SL.NO | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|--------------------|--------------------|--------------------------|-------------------------|--------|-----------|
| 1 | Particulate Matter | mg/Nm ³ | IS 11255 (Part 1): 2014 | IS 11255 (Part 1): 2014 | 44.83 | 150 |
| 2 | Sulphur dioxide | mg/Nm ³ | IS 11255 (Part 2) : 2014 | IS 11255 (Part 2): 2014 | 14.72 | - |
| 3 | Oxides of Nitrogen | mg/Nm ³ | IS 11255 (Part 7): 2017 | IS 11255 (Part 7): 2017 | 24.77 | - |

Inference as per KSPCB Consent Conditions

Above tested parameters are conforming to standards.



Authorized Signatory

Channabasappa Maikar (Chemical)

--END OF REPORT--

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/19/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

FBC - III

Sample Description:

Thimble, SO₂ & NO₂ Solution

ULR Code No:

TC699023000007136P

Report Number:

NTLR/AUG/7136

Sample Number:

AUG/23/7136

Type of Sample:

STACK

Discipline :

Chemical

Group

Atmospheric Pollution

Sample Collected by:

Nichrome Testing Laboratory and
Research Private Limited

Particulars of Sample Collected:

Stack Sampler

Environmental Condition:

28° C

Date of Sampling :

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

24/08/2023

Date of Completion:

26/08/2023

Date of Report:

26/08/2023

Specification Standard:

KSPCB STANDARDS

GENERAL DETAILS

| | |
|----------------------------|------|
| Fuel Used | Coal |
| Height (m) | 85 |
| Diameter (m) | 2.20 |
| Stack Temperature°C | 125 |
| Ambient Temperature°C | 29 |
| Flue Gas Velocity (m/sec.) | 8.02 |

RESULTS

| SL.NO | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|--------------------|--------------------|--------------------------|-------------------------|--------|-----------|
| 1 | Particulate Matter | mg/Nm ³ | IS 11255 (Part 1): 2014 | IS 11255 (Part 1): 2014 | 56.12 | 150 |
| 2 | Sulphur dioxide | mg/Nm ³ | IS 11255 (Part 2) : 2014 | IS 11255 (Part 2): 2014 | 10.85 | - |
| 3 | Oxides of Nitrogen | mg/Nm ³ | IS 11255 (Part 7): 2017 | IS 11255 (Part 7): 2017 | 15.91 | - |

Inference as per KSPCB Consent Conditions

Above tested parameters are conforming to standards.



-END OF REPORT-



Authorized Signatory
Channabasappa Maikar (Chemical)

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC-6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/19/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada - 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

CRB - I (BHEL)

Sample Description:

Thimble, SO₂ & NO₂ Solution

ULR Code No:

TC699023000007329P

Report Number:

NTLR/AUG/7329

Sample Number:

AUG/23/7329

Type of Sample:

STACK

Discipline :

Chemical

Group

Atmospheric Pollution

Sample Collected by:

Nichrome Testing Laboratory and
Research Private Limited

Particulars of Sample Collected:

Stack Sampler

Environmental Condition:

28° C

Date of Collection:

31/08/2023

Date of Sample receipt:

31/08/2023

Date of Analysis started:

01/09/2023

Date of Completion:

04/09/2023

Date of Report:

04/09/2023

Specification Standard:

KSPCB STANDARDS

GENERAL DETAILS

| | |
|----------------------------|--------------|
| Fuel Used | Black Liquor |
| Height (m) | 60 |
| Diameter (m) | 2 |
| Stack Temperature °C | 135 |
| Ambient Temperature °C | 29 |
| Flue Gas Velocity (m/sec.) | 9.36 |

RESULTS

| SL. NO | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|--------|--------------------|--------------------|--------------------------|--------------------------|--------|-----------|
| 1 | Particulate Matter | mg/Nm ³ | IS 11255 (Part 1): 2014 | IS 11255 (Part 1): 2014 | 55.25 | 150 |
| 2 | Sulphur dioxide | mg/Nm ³ | IS 11255 (Part 2) : 2014 | IS 11255 (Part 2) : 2014 | 14.40 | - |
| 3 | Oxides of Nitrogen | mg/Nm ³ | IS 11255 (Part 7): 2017 | IS 11255 (Part 7): 2017 | 21.58 | - |

Inference as per KSPCB Consent Conditions

Above tested parameters are conforming to standards.



:-END OF REPORT:-



Authorized Signatory
Channabasappa Maikar (Chemical)

Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/19/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
FBC - IV

Sample Description:
Thimble, SO₂ & NO₂ Solution

ULR Code No: TC699023000007330P
Report Number: NTLR/AUG/7330
Sample Number: AUG/23/7330
Type of Sample: STACK
Discipline : Chemical
Group Atmospheric Pollution
Sample Collected by: Nichrome Testing Laboratory and
Research Private Limited
Particulars of Sample Collected: Stack Sampler
Environmental Condition: 28° C
Date of Collection: 31/08/2023
Date of Sample receipt: 31/08/2023
Date of Analysis started: 01/09/2023
Date of Completion: 04/09/2023
Date of Report: 04/09/2023
Specification Standard: KSPCB STANDARDS

GENERAL DETAILS

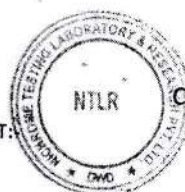
| | |
|----------------------------|------|
| Fuel Used | Coal |
| Height (m) | 85 |
| Diameter (m) | 3.0 |
| Stack Temperature °C | 129 |
| Ambient Temperature °C | 29 |
| Flue Gas Velocity (m/sec.) | 8.36 |

RESULTS

| SL.NO | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|--------------------|--------------------|-------------------------|-------------------------|--------|-----------|
| 1 | Particulate Matter | mg/Nm ³ | IS 11255 (Part 1): 2014 | IS 11255 (Part 1): 2014 | 58.28 | 150 |
| 2 | Sulphur dioxide | mg/Nm ³ | IS 11255 (Part 2): 2014 | IS 11255 (Part 2): 2014 | 13.21 | - |
| 3 | Oxides of Nitrogen | mg/Nm ³ | IS 11255 (Part 7): 2017 | IS 11255 (Part 7): 2017 | 19.24 | - |

Inference as per KSPCB Consent Conditions

Above tested parameters are conforming to standards.



Authorized Signatory
Channabasappa Maikar (Chemical)

END OF REPORT

Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Annexure-III

Format No: NTLR/F/33/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada – 581325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Halmaddi Near SPD Area

Sample Description:
PM₁₀, PM_{2.5} Filter Papers, SO₂, NO₂, Ammonia & Ozone
Solutions & Charcoal Tube

ULR Code No: TC699023000007125P
Report Number: NTLR/AUG/7125
Sample Number: AUG/23/7125
Type of Sample: AIR – AMBIENT
Discipline : Chemical
Group: Atmospheric Pollution
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler, Fine Particulate
Sampler, Benzene Sampler & CO Analyzer
Environmental Condition: 28° C
Date of Sampling : 23/08/2023
Date of Sample receipt: 23/08/2023
Date of Analysis started: 24/08/2023
Date of Completion: 26/08/2023
Date of Report: 26/08/2023
Wind Direction: South East
Specification Standard: NAAQ STANDARDS(2009CPCB Notification)

RESULTS

| SL No | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|----------------------------|-------------------|--------------------------|--------------------------|--------|-----------|
| 1 | PM ₁₀ | µg/m ³ | IS 5182 (Part 23) : 2017 | IS 5182 (Part 23) : 2017 | 58.44 | 100 |
| 2 | PM _{2.5} | µg/m ³ | IS 5182 (Part 24) : 2019 | IS 5182 (Part 24) : 2019 | 27.85 | 60 |
| 3 | Sulphur di Oxide | µg/m ³ | IS 5182 (Part 2) : 2017 | IS 5182 (Part 2) : 2017 | 29.72 | 80 |
| 4 | Oxides of Nitrogen | µg/m ³ | IS 5182 (Part 6) : 2017 | IS 5182 (Part 6) : 2017 | 13.35 | 80 |
| 5 | Ammonia (NH ₃) | µg/m ³ | IS 5182 (Part 25):2018 | IS 5182 (Part 25):2018 | BDL | 400 |
| 6 | Ozone (O ₃) | µg/m ³ | IS 5182 (Part 9): 1988 | IS 5182 (Part 9): 1988 | BDL | 180 |
| 7 | Carbon Monoxide(CO) | mg/m ³ | IS 5182 (Part 10):2019 | IS 5182 (Part 10):2019 | 1.18 | 4 |

BDL-Below Detectable Limit, BDL- (Ammonia – 20 µg/m³, Ozone-10 µg/m³)

Inference as per NAAQ Standards

Above tested parameters are conforming to standards.



--END OF REPORT--

Authorized Signatory
Channabasappa Maikar (Chemical)

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY
170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/111/00

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Halmaddi Near SPD Area

Sample Description:
Mercaptan Absorbing Reagent

Report Number: NTLR/AUG-23/124
Sample Number: AUG/23/7129
Type of Sample: AIR - AMBIENT
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler
Environmental Condition: 28° C
Date of Collection: 23/08/2023
Date of Sample receipt: 23/08/2023
Date of Analysis started: 24/08/2023
Date of Completion: 26/08/2023
Date of Report: 26/08/2023
Wind Direction: South East

RESULTS

| SL. NO. | PARAMETERS | TEST METHOD | RESULTS |
|---------|---------------------------------|-----------------------|---------|
| 1 | Mercaptan | GCMS Headspace Method | Absent |
| 2 | Total reduced sulphur compounds | GCMS Headspace Method | Absent |

Authorized Signatory
Channabasappa Maikar (Chemical)

-:END OF REPORT:-



Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/33/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Near Cooling Tower
(DG Set Back Side)

Sample Description:
PM₁₀, PM_{2.5} Filter Papers, SO₂, NO₂, Ammonia, Ozone,
Charcoal Tube

ULR Code No: TC699022000007128P
Report Number: NTLR/AUG/7128
Sample Number: AUG/23/7128
Type of Sample: AIR - AMBIENT
Discipline : Chemical
Group: Atmospheric Pollution
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler, Fine Particulate
Sampler, Benzene Sampler & CO Analyzer
Environmental Condition: 28° C
Date of Sampling : 23/08/2023
Date of Sample receipt: 23/08/2023
Date of Analysis started: 24/08/2023
Date of Completion: 26/08/2023
Date of Report: 26/08/2023
Wind Direction: South East
Specification Standard: NAAQ STANDARDS(2009CPCBNotification)

RESULTS

| SL No | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|----------------------------|-------------------|--------------------------|--------------------------|--------|-----------|
| 1 | PM ₁₀ | µg/m ³ | IS 5182 (Part 23) : 2017 | IS 5182 (Part 23) : 2017 | 51.47 | 100 |
| 2 | PM _{2.5} | µg/m ³ | IS 5182 (Part 24) : 2019 | IS 5182 (Part 24) : 2019 | 26.51 | 60 |
| 3 | Sulphur di Oxide | µg/m ³ | IS 5182 (Part 2) : 2017 | IS 5182 (Part 2) : 2017 | 29.60 | 80 |
| 4 | Oxides of Nitrogen | µg/m ³ | IS 5182 (Part 6) : 2017 | IS 5182 (Part 6) : 2017 | 14.77 | 80 |
| 5 | Ammonia (NH ₃) | µg/m ³ | IS 5182 (Part 25):2018 | IS 5182 (Part 25):2018 | BDL | 400 |
| 6 | Ozone (O ₃) | µg/m ³ | IS 5182 (Part 9): 1988 | IS 5182 (Part 9): 1988 | BDL | 180 |
| 7 | Carbon Monoxide(CO) | mg/m ³ | IS 5182 (Part 10):2019 | IS 5182 (Part 10):2019 | 1.24 | 4 |

BDL-Below Detectable Limit, (Ammonia - 20 µg/m³, Ozone-10 µg/m³)

Inference as per NAAQ Standards Above tested parameters are conforming to standards.



:-END OF REPORT:-

Authorized Signatory
Channabasappa Maikar (Chemical)



Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008

PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/111/00

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada – 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023


Sampling Location:
Near Cooling Tower

Sample Description:
Mercaptan Absorbing Reagent

Report Number: NTLR/AUG-23/126
Sample Number: AUG/23/7131
Type of Sample: AIR - AMBIENT
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler
Environmental Condition: 28° C
Date of Collection: 23/08/2023
Date of Sample receipt: 23/08/2023
Date of Analysis started: 24/08/2023
Date of Completion: 26/08/2023
Date of Report: 26/08/2023
Wind Direction: South East

RESULTS

| SL. NO. | PARAMETERS | TEST METHOD | RESULTS |
|---------|---------------------------------|-----------------------|---------|
| 1 | Mercaptan | GCMS Headspace Method | Absent |
| 2 | Total reduced sulphur compounds | GCMS Headspace Method | Absent |


Authorized Signatory
Channabasappa Maikar (Chemical)

--END OF REPORT--



Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/33/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

Fire Station

Sample Description:

PM₁₀, PM_{2.5} Filter Papers, SO₂, NO₂, Ammonia, Ozone,
Charcoal Tube

ULR Code No:

TC699022000007127P

Report Number:

NTLR/AUG/7127

Sample Number:

AUG/23/7127

Type of Sample:

AIR - AMBIENT

Discipline :

Chemical

Group:

Atmospheric Pollution

Sample Collected by:

Nichrome Testing Laboratory
and Research Private Limited

Particulars of Sample Collected:

Respirable Dust Sampler, Fine Particulate
Sampler, Benzene Sampler & CO Analyzer

Environmental Condition:

28° C

Date of Sampling :

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

24/08/2023

Date of Completion:

26/08/2023

Date of Report:

26/08/2023

Wind Direction:

South East

Specification Standard:

NAAQ STANDARDS(2009CPCBNotification)

RESULTS

| SL No | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|----------------------------|-------------------|--------------------------|--------------------------|--------|-----------|
| 1 | PM ₁₀ | µg/m ³ | IS 5182 (Part 23) : 2017 | IS 5182 (Part 23) : 2017 | 56.46 | 100 |
| 2 | PM _{2.5} | µg/m ³ | IS 5182 (Part 24) : 2019 | IS 5182 (Part 24) : 2019 | 26.52 | 60 |
| 3 | Sulphur di Oxide | µg/m ³ | IS 5182 (Part 2) : 2017 | IS 5182 (Part 2) : 2017 | 25.41 | 80 |
| 4 | Oxides of Nitrogen | µg/m ³ | IS 5182 (Part 6) : 2017 | IS 5182 (Part 6) : 2017 | 13.31 | 80 |
| 5 | Ammonia (NH ₃) | µg/m ³ | IS 5182 (Part 25):2018 | IS 5182 (Part 25):2018 | BDL | 400 |
| 6 | Ozone (O ₃) | µg/m ³ | IS 5182 (Part 9): 1988 | IS 5182 (Part 9): 1988 | BDL | 180 |
| 7 | Carbon Monoxide(CO) | mg/m ³ | IS 5182 (Part 10):2019 | IS 5182 (Part 10):2019 | 1.22 | 4 |

BDL-Below Detectable Limit,(Ammonia - 20 µg/m³, Ozone-10 µg/m³)

Inference as per NAAQ Standards

Above tested parameters are conforming to standards.



Authorized Signatory
Channabasappa Maikar (Chemical)

---END OF REPORT---

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008

PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/111/00

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada – 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Near Fire Station

Sample Description:
Near Fire Station

Report Number: NTLR/AUG-23/127
Sample Number: AUG/23/7132
Type of Sample: AIR - AMBIENT
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Respirable Dust Sampler

Particulars of Sample Collected:
Environmental Condition: 28° C
Date of Collection: 23/08/2023
Date of Sample receipt: 23/08/2023
Date of Analysis started: 24/08/2023
Date of Completion: 26/08/2023
Date of Report: 26/08/2023
Wind Direction: South East

RESULTS

| SL. NO. | PARAMETERS | TEST METHOD | RESULTS |
|---------|---------------------------------|-----------------------|---------|
| 1 | Mercaptan | GCMS Headspace Method | Absent |
| 2 | Total reduced sulphur compounds | GCMS Headspace Method | Absent |

Authorized Signatory
Channabasappa Maikar (Chemical)



:-END OF REPORT:-

Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/33/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada – 581325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Kerawad Village

Sample Description:
PM₁₀, PM_{2.5} Filter Papers, SO₂, NO₂, Ammonia & Ozone
Solutions & Charcoal Tube

ULR Code No: TC699023000007327P
Report Number: NTLR/AUG/7327
Sample Number: AUG/23/7327
Type of Sample: AIR – AMBIENT
Discipline : Chemical
Group: Atmospheric Pollution
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler, Fine Particulate
Sampler, Benzene Sampler & CO Analyzer
Environmental Condition: 28° C
Date of Sampling : 31/08/2023
Date of Sample receipt: 31/08/2023
Date of Analysis started: 01/09/2023
Date of Completion: 04/09/2023
Date of Report: 04/09/2023
Wind Direction: South East
Specification Standard: NAAQ STANDARDS(2009CPCB Notification)

RESULTS

| SL No | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|----------------------------|-------------------|--------------------------|--------------------------|--------|-----------|
| 1 | PM ₁₀ | µg/m ³ | IS 5182 (Part 23) : 2017 | IS 5182 (Part 23) : 2017 | 56.22 | 100 |
| 2 | PM _{2.5} | µg/m ³ | IS 5182 (Part 24) : 2019 | IS 5182 (Part 24) : 2019 | 28.30 | 60 |
| 3 | Sulphur di Oxide | µg/m ³ | IS 5182 (Part 2) : 2017 | IS 5182 (Part 2) : 2017 | 26.60 | 80 |
| 4 | Oxides of Nitrogen | µg/m ³ | IS 5182 (Part 6) : 2017 | IS 5182 (Part 6) : 2017 | 14.05 | 80 |
| 5 | Ammonia (NH ₃) | µg/m ³ | IS 5182 (Part 25):2018 | IS 5182 (Part 25):2018 | BDL | 400 |
| 6 | Ozone (O ₃) | µg/m ³ | IS 5182 (Part 9): 1988 | IS 5182 (Part 9): 1988 | BDL | 180 |
| 7 | Carbon Monoxide(CO) | mg/m ³ | IS 5182 (Part 10):2019 | IS 5182 (Part 10):2019 | 1.10 | 4 |

BDL-Below Detectable Limit, BDL- (Ammonia – 20 µg/m³, Ozone-10 µg/m³)

Inference as per NAAQ Standards

Above tested parameters are conforming to standards.



:-END OF REPORT:-

Authorized Signatory
Channabasappa Maikar (Chemical)

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY
170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/111/00

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada – 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Kerawad Village

Sample Description:
Mercaptan Absorbing Reagent

Report Number: NTLR/AUG-23/173
Sample Number: AUG/23/7139
Type of Sample: AIR - AMBIENT
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler
Environmental Condition: 28° C
Date of Collection: 31/08/2023
Date of Sample receipt: 31/08/2023
Date of Analysis started: 01/09/2023
Date of Completion: 03/09/2023
Date of Report: 03/09/2023
Wind Direction: South East

RESULTS

| SL. NO. | PARAMETERS | TEST METHOD | RESULTS |
|---------|---------------------------------|-----------------------|---------|
| 1 | Mercaptan | GCMS Headspace Method | Absent |
| 2 | Total reduced sulphur compounds | GCMS Headspace Method | Absent |


Authorized Signatory
Channabasappa Maikar (Chemical)

-:END OF REPORT:-



Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/33/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada - 581325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Near Hanuman Mandir Road

Sample Description:
PM₁₀, PM_{2.5} Filter Papers, SO₂, NO₂, Ammonia & Ozone
Solutions & Charcoal Tube

ULR Code No: TC699023000007328P
Report Number: NTLR/AUG/7328
Sample Number: AUG/23/7328
Type of Sample: AIR - AMBIENT
Discipline : Chemical
Group: Atmospheric Pollution
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler, Fine Particulate
Sampler, Benzene Sampler & CO Analyzer
Environmental Condition: 28° C
Date of Sampling : 31/08/2023
Date of Sample receipt: 31/08/2023
Date of Analysis started: 01/09/2023
Date of Completion: 04/09/2023
Date of Report: 04/09/2023
Wind Direction: South East
Specification Standard: NAAQ STANDARDS(2009CPCB Notification)

RESULTS

| SL No | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|----------------------------|-------------------|--------------------------|--------------------------|--------|-----------|
| 1 | PM ₁₀ | µg/m ³ | IS 5182 (Part 23) : 2017 | IS 5182 (Part 23) : 2017 | 55.48 | 100 |
| 2 | PM _{2.5} | µg/m ³ | IS 5182 (Part 24) : 2019 | IS 5182 (Part 24) : 2019 | 21.96 | 60 |
| 3 | Sulphur di Oxide | µg/m ³ | IS 5182 (Part 2) : 2017 | IS 5182 (Part 2) : 2017 | 25.95 | 80 |
| 4 | Oxides of Nitrogen | µg/m ³ | IS 5182 (Part 6) : 2017 | IS 5182 (Part 6) : 2017 | 18.17 | 80 |
| 5 | Ammonia (NH ₃) | µg/m ³ | IS 5182 (Part 25):2018 | IS 5182 (Part 25):2018 | BDL | 400 |
| 6 | Ozone (O ₃) | µg/m ³ | IS 5182 (Part 9): 1988 | IS 5182 (Part 9): 1988 | BDL | 180 |
| 7 | Carbon Monoxide(CO) | mg/m ³ | IS 5182 (Part 10):2019 | IS 5182 (Part 10):2019 | 1.15 | 4 |



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY
170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/111/00

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

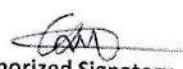
Sampling Location:
Near Hanuman Mandir Road

Sample Description:
Mercaptan Absorbing Reagent

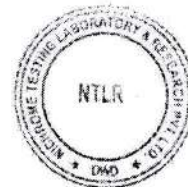
Report Number: NTLR/AUG-23/174
Sample Number: AUG/23/7140
Type of Sample: AIR - AMBIENT
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Respirable Dust Sampler
Particulars of Sample Collected:
Environmental Condition: 28° C
Date of Collection: 31/08/2023
Date of Sample receipt: 31/08/2023
Date of Analysis started: 01/09/2023
Date of Completion: 03/09/2023
Date of Report: 03/09/2023
Wind Direction: South East

RESULTS

| SL. NO. | PARAMETERS | TEST METHOD | RESULTS |
|---------|---------------------------------|-----------------------|---------|
| 1 | Mercaptan | GCMS Headspace Method | Absent |
| 2 | Total reduced sulphur compounds | GCMS Headspace Method | Absent |


Authorized Signatory
Channabasappa Maikar (Chemical)

--END OF REPORT--



Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC- 6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008

PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/33/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada – 581325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:
Old ETP

Sample Description:
PM₁₀, PM_{2.5} Filter Papers, SO₂, NO₂, Ammonia, Ozone,
Charcoal Tube

ULR Code No: TC699022000007126P
Report Number: NTLR/AUG/7126
Sample Number: AUG/23/7126
Type of Sample: AIR – AMBIENT
Discipline : Chemical
Group: Atmospheric Pollution
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Particulars of Sample Collected: Respirable Dust Sampler ,Fine Particulate
Sampler, Benzene Sampler & CO Analyzer
Environmental Condition: 28° C
Date of Sampling : 23/08/2023
Date of Sample receipt: 23/08/2023
Date of Analysis started: 24/08/2023
Date of Completion: 26/08/2023
Date of Report: 26/08/2023
Wind Direction: South East
Specification Standard: NAAQ STANDARDS(2009CPCBNotification)

RESULTS

| SL No | PARAMETERS | UNIT | SAMPLING METHOD | TEST METHOD | RESULT | STANDARDS |
|-------|----------------------------|-------------------|--------------------------|--------------------------|--------|-----------|
| 1 | PM ₁₀ | µg/m ³ | IS 5182 (Part 23) : 2017 | IS 5182 (Part 23) : 2017 | 62.53 | 100 |
| 2 | PM _{2.5} | µg/m ³ | IS 5182 (Part 24) : 2019 | IS 5182 (Part 24) : 2019 | 30.52 | 60 |
| 3 | Sulphur di Oxide | µg/m ³ | IS 5182 (Part 2) : 2017 | IS 5182 (Part 2) : 2017 | 28.78 | 80 |
| 4 | Oxides of Nitrogen | µg/m ³ | IS 5182 (Part 6) : 2017 | IS 5182 (Part 6) : 2017 | 16.26 | 80 |
| 5 | Ammonia (NH ₃) | µg/m ³ | IS 5182 (Part 25):2018 | IS 5182 (Part 25):2018 | BDL | 400 |
| 6 | Ozone (O ₃) | µg/m ³ | IS 5182 (Part 9): 1988 | IS 5182 (Part 9): 1988 | BDL | 180 |
| 7 | Carbon Monoxide(CO) | mg/m ³ | IS 5182 (Part 10):2019 | IS 5182 (Part 10):2019 | 1.20 | 4 |

BDL-Below Detectable Limit,(Ammonia – 20 µg/m³, Ozone-10 µg/m³)

Inference as per NAAQ Standards

Above tested parameters are conforming to standards.



Authorized Signatory
ChannabasappaMaikar (Chemical)

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

---END OF REPORT---



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008

PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/111/00

Page 1 of 1

TEST REPORT

Name of Customer and Address:
The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada - 581 325.

Customer Reference:
ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

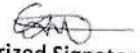
Sampling Location:
Old ETP

Sample Description:
Mercaptan Absorbing Reagent

Report Number: NTLR/AUG-23/125
Sample Number: AUG/22/7130
Type of Sample: AIR - AMBIENT
Sample Collected by: Nichrome Testing Laboratory
and Research Private Limited
Respirable Dust Sampler
Particulars of Sample Collected: 28° C
Environmental Condition: 23/08/2023
Date of Collection: 23/08/2023
Date of Sample receipt: 23/08/2023
Date of Analysis started: 24/08/2023
Date of Completion: 26/08/2023
Date of Report: 26/08/2023
Wind Direction: South East

RESULTS

| SL. NO. | PARAMETERS | TEST METHOD | RESULTS |
|---------|---------------------------------|-----------------------|---------|
| 1 | Mercaptan | GCMS Headspace Method | Absent |
| 2 | Total reduced sulphur compounds | GCMS Headspace Method | Absent |


Authorized Signatory
Channabasappa Maikar (Chemical)

--END OF REPORT--



Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

Annexure-IV

Water intake and Effluent Discharge

| Month | Water Intake m ³ / Month | Effluent Discharge m ³ / month |
|---------------------------|--|--|
| Apr-23 | 14,40,269 | 12,79,601 |
| May-23 | 15,40,366 | 1331530 |
| Jun-23 | 15,42,880 | 1360052 |
| Jul-23 | 15,46,590 | 1381354 |
| Aug-23 | 15,40,379 | 1416023 |
| Sep-23 | 14,81,549 | 1320275 |
| Total | 90,92,033 | 80,88,835 |
| Average per month | 15,15,339 | 13,48,139 |
| Average per Day | 49,683 | 44,201 |
| As per Consent, m3/day | 1,00,000 | 85,885 |



ACCREDITATIONS / RECOGNITIONS
MoEF & CC / CPCB, New Delhi
ISO / IEC 17025:2017
(NABL TC-6990)
ISO 9001:2015
ISO 45001:2018
FOSTAC - FSSAI

MOU WITH VARIOUS EDUCATIONAL,
GOVERNMENT AND PRIVATE AGENCIES



TC-6990



CIN: U74900KA2013PTC069193

NICHROME TESTING LABORATORY AND RESEARCH PRIVATE LIMITED

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/15/08

Annexure-V

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada - 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

SPD

Sample Description:

1 Ltr Pet Bottle & 1 Ltr Wide Mouth Glass Bottle

ULR Code No:

TC699023000007145P

Report Number:

NTLR/AUG/7145

Sample Number:

AUG/23/7145

Type of Sample:

TREATED TRADE EFFLUENT

Discipline:

Chemical

Group:

Pollution & Environment

Sample Collected by:

Customer & Nichrome Testing Laboratory
and Research Private Limited
APHA 23RD EDITION, 1060

Sampling Method:

Grab

Particulars of Sample Collected:

28°C

Environmental Condition:

Date of Collection:

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

23/08/2023

Date of Completion:

28/08/2023

Date of Report:

28/08/2023

Sample Condition:

Satisfactory

Specification Standard:

KSPCB Consent

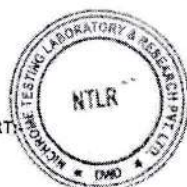
RESULTS

| SL.NO | PARAMETERS | UNITS | TEST METHOD | RESULT | TOLERANCE LIMITS |
|-------|---|-------|---|-----------|------------------|
| 1 | Odour | - | IS 3025(Part-5):2018 | Odourless | - |
| 2 | pH @ 25° C | - | IS 3025(Part-11):2022 | 7.56 | 7 to 8.5 |
| 3 | Chemical Oxygen Demand , Max | mg/L | IS : 3025 (Part 58): 2017 | 195.00 | 250 |
| 4 | Biochemical Oxygen Demand 3 days at 27° C, Max | mg/L | IS 3025 (Part-44): 2019 | 14.22 | 30 |
| 5 | Total dissolved solids | mg/L | IS 3025 (Part-16): 2017 | 772.00 | 2100 |
| 6 | Total Suspended solids, Max | mg/L | IS 3025 (Part-17): 2022 | 28.00 | 50 |
| 7 | Oil & Grease, Max | mg/L | IS 3025 (Part 39): 2021 | BDL | 10 |
| 8 | Chloride | mg/L | IS 3025 (Part-32): 2019 | 186.14 | 350 |
| 9 | Sulphate | mg/L | IS 3025 (Part-24)-Turbidity Method:2014 | 75.42 | 1000 |
| 10 | Ammonical Nitrogen, Max | mg/L | APHA 23rd Edition 4500 NH3 B, C: 2017 | BDL | 50 |
| 11 | Total Kjeldal Nitrogen, Max | mg/L | APHA 23rd Edition 4500 Norg B: 2017 | BDL | 100 |
| 12 | Free Ammonia, Max | mg/L | IS 3025 (Part 34): 2019 | BDL | 5.0 |
| 13 | Dissolved Phosphate, Max | mg/L | APHA 23rd Edition 4500 P - B, D: 2017 | 0.030 | 5.0 |
| 14 | Sodium Absorption Ratio (SAR) | - | IS 11624:2019 | 2.38 | - |

BDL: Below detectable limit, (Oil & Grease - 10 mg/L, Ammonical Nitrogen - 1 mg/L, Total Kjeldal Nitrogen - 1 mg/L, Free Ammonia - 0.1 mg/L)

Inference As per KSPCB Consent

Above tested parameters confirming to standards.



END OF REPORT

Authorized Signatory

ChannabasappaMaikar (Chemical)

Note:

1.The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3.Total liability of our laboratory is limited to the invoiced amount. 4.This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5.If any disputes Subject to Dharwad Jurisdiction. 6.When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.



CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**

ACCREDITED LABORATORY

170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008

PH : 0836 - 2771115, 2778521

email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Annexure-V

Format No: NTLR/F/15/08

Page 1 of 1

TEST REPORT

Name of Customer and Address:

The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttar Kannada - 581 325.

Customer Reference:

ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023

Sampling Location:

SPD

Sample Description:

1Ltr Pet Bottle & 1Ltr Wide Mouth Glass Bottle

Report Number:

NTLR/AUG-23/131

Sample Number:

AUG/23/7145

Type of Sample:

TREATED TRADE EFFLUENT

Discipline:

Chemical

Group:

Pollution & Environment

Sample Collected by:

Customer & Nichrome Testing Laboratory
and Research Private Limited

Sampling Method:

APHA 23RD EDITION, 1060

Particulars of Sample Collected:

Grab

Environmental Condition:

28°C

Date of Collection:

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

23/08/2023

Date of Completion:

28/08/2023

Date of Report:

28/08/2023

Sample Condition:

Satisfactory

Specification Standard:

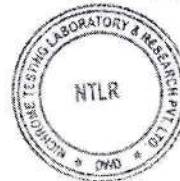
NA

RESULTS

| SL.NO | PARAMETERS | UNITS | TEST METHOD | RESULT |
|-------|----------------------------|-------|----------------------------|--------|
| 1 | Total Organic Carbon | mg/L | APHA 23rd Edition 5310 - A | BDL |
| 2 | Absorbable Organic Halides | mg/L | USEPA 1650 | BDL |

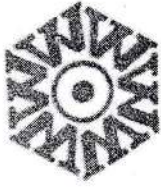
Authorized Signatory
Channabasappa Maikar (Chemical)

--END OF REPORT--



Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.



WEST COAST PAPER MILLS LTD.,

Registered & Works Office : Post Box No. 5, Bangur Nagar, Dandeli-581 325

Dist Uttar Kannada (Karnataka) - India

CORPORATE IDENTITY NO : L02101KA1955PLC001936 website : www.westcoastpaper.com

Ph : (08284) 231391 - 395 (5 lines) Fax : 08284-231225 (Admn. Office) 230443 (Works Office)



Annexure-VI

ZZQ / Env - Cell-KSPCB /17 /1134
06-07-2023

CHIEF ENVIRONMENTAL OFFICER - 1
Karnataka State Pollution Control Board
" Parisara Bhavan"
1st to 5th floor,
#49, Church Street,
Bangalore - 560001.

Speed Post with AD

Dear Sir,

Sub: Quarter Fly Ash Utilization and Disposal report.

In reference to the above mentioned subject, we hereby submit the Fly Ash quarterly report for the period from 01-04-2023 to 30-06-2023. (First Quarter of 2023-2024).

Hope you will find this in order.

Thanking You,

Very truly yours,
WEST COAST PAPER MILLS LTD

ANUJ KUMAR TAYAL
SENIOR VICE PRESIDENT (TECHNICAL)

Encl: as above.

Cc: Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board
" Parisara Bhavan", LIG - II, B - 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR - 581 303

Speed Post with A D



Corporate Office : 31, Chowringhee Road, Kolkata - 700 016
Phone : (033) 2265 6271-78 (8 lines), Fax : (033) 2226 5242,
Email : wcpm.sale@westcoastpaper.com

Submission of Quarterly status report on Fly Ash utilization as per fly ash notification S.O 2084 E dated 03-11-2009 reg

This report is for the First Quarter from April 2023 to June 2023

01-04-2023 to 31-03-2023

| 01- 04- 2023 to 31- 03- 2023 | | |
|--|---|---|
| Sl. No. | Particulars | Details |
| | | April - 2023 to June – 2023 |
| A] | | |
| 1 | Name of the Industry | West Coast Paper Mills Ltd. PB No.5, Bangur Nagar, Dandeli – 581325, Dist Uttar Kannada |
| 2 | Full address including pin code | |
| 3 | Email address | anujtayal@westcoastpaper.com |
| 4 | Name of the Nodal Officer (not below the rank of DGM/Dy.CE/or equivalent) dealing with ash management and designation | Shri Anuj Kumar Tayal Senior Vice President (Technical) |
| 5 | Telephone number | 9606049639 |
| 6 | Fax number | 08284-231225; 232148 |
| 7 | Capacity of Thermal Power Plant | 74.8 MW |
| 8 | Details of number of units and capacity of each unit | BHEL 34.5 MW; TRIVENI - I - 5.2 MW, TRIVENI - II - 14.5 MW, TRIVENI - III - 15.5 MW, & EISHERWYSS - 5.1 MW. |
| 9 | Coal consumption in Metric Tons | 65,765 |
| 10 | Average ash content in %age | 35.84% |
| B] Ash Generation | | |
| 1 | Bottom ash in MT | |
| 2 | Fly ash in MT | 8,439 |
| 3 | Total ash generated (Bottom + Fly) in MT | 15,131 |
| | | 23,570 |
| C] Ash Utilized in MT | | |
| 1 | Ash pond duke rising | |
| 2 | Cement industry | - |
| 3 | Own brick unit | - |
| 4 | Outside brick units | - |
| 5 | Own ash based products (other than bricks) | 23,570 |
| 6 | Ash based products (other than bricks) outside | - |
| 7 | Road and flyover embankments | - |
| 8 | RMC | - |
| 9 | Back filling of mines | - |
| 10 | Agriculture use | - |
| 11 | Irrigation and hydro power projects | - |
| 12 | Reclamation and compaction of low lying area | - |
| 13 | Others (slime pond bund construction) | - |
| | Total C (1 to 13) | 23,570 |
| D] Reasons for variation from the target | | |
| E] Remedial measures taken | | |
| F] Quantity in ash pond in MT | | |



| Sl. No. | Particulars | Details |
|-----------|---|---|
| | | April - 2023 to June - 2023 |
| G] | Ash Pond Details | |
| 1 | Total area earmarked for ash pond (ha) | - |
| 2 | Ash pond already filled up and reclaimed (ha) | - |
| 3 | Ash pond already filled up but yet to be reclaimed (ha) | - |
| 4 | Ash pond in use (ha) (active ash pond) | - |
| 5 | Area earmarked for ash ponds but ash ponds yet to be constructed (ha) | - |
| H] | Dry ash collection facilities | |
| 1 | Dry fly ash collection facility available (yes/no) | Yes |
| 2 | If yes, how many units | 4 Nos. Silos. |
| I] | Dry ash storage area | |
| 1 | Daily ash generation (TPD) | 259 |
| 2 | Capacity of storage MT | 700 |
| 3 | Capacity of storage proposed | - |
| J] | Capital Expenditure (Rs in lakhs) | |
| 1 | Dry fly ash collection | - |
| 2 | Dry fly ash storage | - |
| K] | Dispute settlement committee | |
| 1 | Committee constituted (yes/no) | No |
| 2 | No. of meetings held in the current period | NA |
| L] | Provision regarding supply to the brick kilns | |
| 1 | Whether maintaining month-wise records of ash made available to each brick kiln | Yes |
| 2 | If yes, how many brick kilns have been supplied with fly ash | List attached |
| 3 | Mode of transportation of ash – rail / rakes / truck / trailer / closed container / covered with tarpaulin / open | In closed containers for Cement Mfrs. & in trucks / Tippers duly covered with tarpaulin for Brick mfrs. |
| 4 | Dry ash | IN CLOSED CONTAINERS |
| 5 | Wet ash | IN TRUCK DULY COVERED WITH TARPAULIN |
| M] | Promotional Measures | |
| 1 | Number of meetings / exhibitions / workshops / seminars held during the period | - |
| 2 | Amount spent in Rs. | - |
| 3 | Outlay for the coming period | - |
| 4 | TV/radio advertisements / newspaper advertisements, others specify | - |
| N] | Administrative Measures Taken | |
| 1 | Meeting with brick manufacturers | - |
| 2 | Meeting with State Govt Agencies | - |

Signature:

Date :

06-07-2023

Name :

Anuj Kumar Tayal

Designation :

Senior Vice President (Tech)



WEST COAST PAPER MILLS LTD., DANDELI.
FLY ASH SUPPLIES TO BRICK MANUFACTURERS

Date : 08-10-2022

| Sl.No | Firm Name | Address | Place | Ph no. |
|-------|------------------------------------|--------------------------------|---------|--------------------------------------|
| 1 | Shri Mahalingeshwar Bricks | MULANGI | Dandeli | 9945568179 |
| 2 | Shri Mahaling Bicks | MULANGI | Dandeli | 9480275061 |
| 3 | Shri Yog Indu. | AMBEWADI, INDUSTRIAL AREA | Dandeli | 9448844787 |
| 4 | Nirmal Indu. | HALMADDI | Dandeli | 9448317716 |
| 5 | Durga Prasad Indu. | Kerwad | Dandeli | 9448628697/ 8431111866 |
| 6 | S.D.S. Bricks Indu. | Industrial estate | Dandeli | 9448628697/ 8150983188/8431111866 |
| 7 | Shree Mahalaxmi fly ash & solid br | Moulangi | Dandeli | 9448738214 |
| 8 | Tirumala indu. | Gountan | Dandeli | 9448427971 |
| 9 | Shri hari indu. | Near Hanumanth Temple -Alur | Dandeli | 9448023575 |
| 10 | Shri Bhavani Industries | Moulangi | Dandeli | 7259355458 |
| 11 | Bharath fly ash & Solid Bricks | Haregali | Dandeli | 9980271614 |
| 12 | Shri Ram Enterprises | Ambewadi | Dandeli | 9611031596 |
| 13 | Giri Enterprises | Ambewadi | Dandeli | 9945134831 |
| 14 | Shivaji Enterprises | Ambewadi | Dandeli | |
| 15 | Prakash fly ash bricks | Plot no- Q-6 industrial estate | Haliyal | 9880494405 |
| 16 | Gokak Cement | Dharwad | Dharwad | 9886078624 |
| 17 | Bharath Bricks | Hubli | Hubli | 9986485343 |
| 18 | OM PRODUCTS | PLOT-83/G3, TARIHAL INDU. AREA | Hubli | 9481014070 |
| 19 | KK INDUSTRIES | INDU. AREA, TARIHAL, | HUBLI | 9379623560 |
| 20 | Ferro Cement Febrication Section | Mundgod | Mundgod | 9620927827 |

FLY ASH SUPPLIES TO CEMENT MANUFACTURERS

| Sl.No | Firm Name | Address | Place | Ph no. |
|-------|-----------|---------|--------|------------|
| 1 | JK Cement | Mudhol | Mudhol | 7353311307 |





WEST COAST PAPER MILLS LTD.,

Registered & Works Office : Post Box No. 5, Bangur Nagar, Dandeli-581 325

Dist Uttar Kannada (Karnataka) - India

CORPORATE IDENTITY NO : L02101KA1955PLC001936 website : www.westcoastpaper.com
Ph : (08284) 231391 - 395 (5 lines) Fax : 08284-231225 (Admn. Office) 230443 (Works Office)



ZZQ / Env - Cell-KSPCB /17/11656
05-10-2023

Annexure-VI

CHIEF ENVIRONMENTAL OFFICER - 1
Karnataka State Pollution Control Board
" Parisara Bhavan"
1st to 5th floor,
#49, Church Street,
Bangalore - 560001.

Speed Post with AD

Dear Sir,

Sub: Quarterly Fly Ash Utilization and Disposal report.

In reference to the above mentioned subject, we hereby submit the Fly Ash quarterly report for the period from 01-07-2023 to 30-09-2023.
(Second Quarter of 2023-2024).

Hope you will find this in order.

Thanking You,

Very truly yours,
WEST COAST PAPER MILLS LTD

ANUJ KUMAR TAYAL
SENIOR VICE PRESIDENT (TECHNICAL)

Encl: as above.

Cc: Environmental Officer,
Regional Office,
Karnataka State Pollution Control Board
" Parisara Bhavan", LIG - II, B - 217
B-1, Main Road, A-16th Cross
Near Hari Om Trust, Habbuwada
KARWAR - 581 303

Speed Post with A D



The mark of
responsible forestry

Corporate Office : 31, Chowringhee Road, Kolkata - 700 016
Phone : (033) 2265 6271-78 (8 lines), Fax : (033) 2226 5242,
Email : wcpm.sale@westcoastpaper.com

Submission of Quarterly status report on Fly Ash utilization as per fly ash notification S.O 2084 E dated 03-11-2009 reg

This report is for the Second Quarter from July 2023 to September 2023

01- 07- 2023 to 30- 09- 2023.

| Sl. No. | Particulars | Details |
|--|---|---|
| | | July - 2023 to September – 2023 |
| A] | | |
| 1 | Name of the Industry | West Coast Paper Mills Ltd. |
| 2 | Full address including pin code | PB No.5, Bangur Nagar, Dandeli – 581325, Dist Uttar Kannada |
| 3 | Email address | anujtayal@westcoastpaper.com |
| 4 | Name of the Nodal Officer (not below the rank of DGM/Dy.CE/or equivalent) dealing with ash management and designation | Shri Anuj Kumar Tayal Senior Vice President (Technical) |
| 5 | Telephone number | 9606049639 |
| 6 | Fax number | 08284-231225; 232148 |
| 7 | Capacity of Thermal Power Plant | 74.8 MW |
| 8 | Details of number of units and capacity of each unit | BHEL 34.5 MW; TRIVENI - I - 5.2 MW, TRIVENI - II - 14.5 MW, TRIVENI - III - 15.5 MW, & EISHERWYSS - 5.1 MW. |
| 9 | Coal consumption in Metric Tons | 71,523 |
| 10 | Average ash content in %age | 27.70% |
| B] Ash Generation | | |
| 1 | Bottom ash in MT | 6,031 |
| 2 | Fly ash in MT | 13,784 |
| 3 | Total ash generated (Bottom + Fly) in MT | 19,815 |
| C] Ash Utilized in MT | | |
| 1 | Ash pond duke rising | - |
| 2 | Cement industry | - |
| 3 | Own brick unit | - |
| 4 | Outside brick units | 19,815 |
| 5 | Own ash based products (other than bricks) | - |
| 6 | Ash based products (other than bricks) outside | - |
| 7 | Road and flyover embankments | - |
| 8 | RMC | - |
| 9 | Back filling of mines | - |
| 10 | Agriculture use | - |
| 11 | Irrigation and hydro power projects | - |
| 12 | Reclamation and compaction of low lying area | - |
| 13 | Others (slime pond bund construction) | - |
| | Total C (1 to 13) | 19,815 |
| D] Reasons for variation from the target | | |
| E] Remedial measures taken | | |
| F] Quantity in ash pond in MT | | |



| Sl. No. | Particulars | Details July - 2023 to September - 2023 |
|-----------|---|---|
| G] | Ash Pond Details | |
| 1 | Total area earmarked for ash pond (ha) | - |
| 2 | Ash pond already filled up and reclaimed (ha) | - |
| 3 | Ash pond already filled up but yet to be reclaimed (ha) | - |
| 4 | Ash pond in use (ha) (active ash pond) | - |
| 5 | Area earmarked for ash ponds but ash ponds yet to be constructed (ha) | - |
| H] | Dry ash collection facilities | |
| 1 | Dry fly ash collection facility available (yes/no) | Yes |
| 2 | If yes, how many units | 4 Nos. Silos. |
| I] | Dry ash storage area | |
| 1 | Daily ash generation (TPD) | 215 |
| 2 | Capacity of storage MT | 700 |
| 3 | Capacity of storage proposed | - |
| J] | Capital Expenditure (Rs in lakhs) | |
| 1 | Dry fly ash collection | - |
| 2 | Dry fly ash storage | - |
| K] | Dispute settlement committee | |
| 1 | Committee constituted (yes/no) | No |
| 2 | No. of meetings held in the current period | NA |
| L] | Provision regarding supply to the brick kilns | |
| 1 | Whether maintaining month-wise records of ash made available to each brick kiln | Yes |
| 2 | If yes, how many brick kilns have been supplied with fly ash | List attached |
| 3 | Mode of transportation of ash - rail / rakes / truck / trailer / closed container / covered with tarpaulin / open | In closed containers for Cement Mfrs. & in trucks / Tippers duly covered with tarpaulin for Brick mfrs. |
| 4 | Dry ash | IN CLOSED CONTAINERS |
| 5 | Wet ash | IN TRUCK DULY COVERED WITH TARPAULIN |
| M] | Promotional Measures | |
| 1 | Number of meetings / exhibitions / workshops / seminars held during the period | - |
| 2 | Amount spent in Rs. | - |
| 3 | Outlay for the coming period | - |
| 4 | TV/radio advertisements / newspaper advertisements, others specify | - |
| N] | Administrative Measures Taken | |
| 1 | Meeting with brick manufacturers | - |
| 2 | Meeting with State Govt Agencies | - |

Signature:

Date : 06-10-2023

Name : Anuj Kumar Tayal

Designation : Senior Vice President (Tech)



WEST COAST PAPER MILLS LTD., DANDELI.
FLY ASH SUPPLIES TO BRICK MANUFACTURERS

Date : 05-10-2023

| Sl.No | Firm Name | Address | Place | Ph no. |
|-------|---|--------------------------------|---------|--------------------------------------|
| 1 | Shri Mahalingeshwar Bricks | Moulangi | Dandeli | 9945568179 |
| 2 | Pratham Industries | Moulangi | Dandeli | 9945568179 |
| 3 | Shri Mahaling Bicks | Moulangi | Dandeli | 9480275061 |
| 4 | Jai Hanuman Industry | Moulangi | Dandeli | 9845948351 |
| 5 | Shri Mallikarjun Fly Ash & Solid Bricks | Moulangi | Dandeli | 8747050558 |
| 6 | Shri Yog Indu. | AMBEWADI | Dandeli | 9448844787 |
| 7 | Shri Ganesh Industries | Moulangi | Dandeli | 8277682153 |
| 8 | Durga Prasad Indu. | Kerwad | Dandeli | 9448628697/ 8431111866 |
| 9 | S.D.S. Bricks Indu. | Industrial estate | Dandeli | 9448628697/ 8150983188/8431111866 |
| 10 | Chetan Industries | Ambewadi | Dandeli | 9448317716 |
| 11 | Shree Mahalaxmi fly ash | Moulangi | Dandeli | 9448738214 |
| 12 | Tirumala Indu. | Gountan | Dandeli | 9448427971 |
| 13 | Shri Hari indu. | Near Hanumanth Temple -Alur | Dandeli | 9448023575 |
| 14 | Shri Bhavani Industries | Moulangi | Dandeli | 7259355458 |
| 15 | Bharath fly ash & Solid Bricks | Haregali | Dandeli | 9980271614 |
| 16 | Shri Ram Enterprises | Ambewadi | Dandeli | 9611031596 |
| 17 | Giri Enterprises | Ambewadi | Dandeli | 9945134831 |
| 18 | Shivaji Industries | Moulangi | Dandeli | 8722466249 |
| 19 | Prakash fly ash bricks | Plot no- Q-6 industrial estate | Haliyal | 9880494405 |
| 20 | SB Gokak Pavers | Dharwad | Dharwad | 9886078624 |
| 21 | Darshan Fly Ash Bricks | Moulangi | Dandeli | 9880998926 |
| 22 | JAI BHIM FLY ASH & SOLID BRICKS | Moulangi | Dandeli | 9972522845 |
| 23 | SHREE DURGA SHAKTI FLY ASH & SOL | Moulangi | Dandeli | 9900526916 |
| 24 | SHRI SAI INDUSTRIES | Moulangi | Dandeli | 7975791471 |
| 25 | DANDELI BRICKS INDU. | Moulangi | Dandeli | 8431111866 |
| 26 | SHRI INDUSTRIES | Moulangi | Dandeli | 8431111866 |

FLY ASH SUPPLIES TO CEMENT MANUFACTURERS

| Sl.No | Firm Name | Address | Place | Ph no. |
|-------|-----------|---------|--------|------------|
| 1 | JK Cement | Mudhol | Mudhol | 7353311307 |





CIN: U74900KA2013PTC069193

**NICHROME TESTING LABORATORY
AND RESEARCH PRIVATE LIMITED**ACCREDITED LABORATORY
170, 2nd MAIN JUDGES BUNGALOW ROAD, NARAYANPUR,
DHARWAD, KARNATAKA, INDIA PIN : 580 008
PH : 0836 - 2771115, 2778521
email : nicechem@gmail.com, website : nichromelabs.com

TESTING / CONSULTING / ENGINEERING / TRAINING

Format No: NTLR/F/34/08

Annexure-VII**TEST REPORT**

Page 1 of 1

Name of Customer and Address:The West Coast Paper Mills Ltd.,
PB. No. 5, Bangur Nagar, Dandeli,
Dist: Uttara Kannada - 581 325.**Customer Reference:**ZZQ/Env Cell-Nichrome lab/17/1466
31.08.2023**Sample Description:**

Noise Data

Report Number:

NTLR/AUG-23/171

Sample Number:

AUG/23/7137

Type of Sample:

AMBIENT NOISE (DAY)

Discipline :

Chemical

Group:

Atmospheric Pollution

Sample Collected by:Nichrome Testing Laboratory and
Research Private Limited**Sampling Method:**

IS 9989: 2014

Particulars of Sample Collected:

Noise Level Meter

Environmental Condition:

28°C

Date of Collection:

23/08/2023

Date of Sample receipt:

23/08/2023

Date of Analysis started:

23/08/2023

Date of Completion:

24/08/2023

Date of Report:

24/08/2023

Specification Standard:

KSPCB Standard

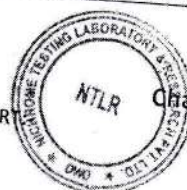
RESULTS

KSPCB Standard

| RESULTS | | | | | |
|----------------------------------|----------------------------------|--|----------------------|------------|--------------------------|
| SL. NO | SAMPLING LOCATION | TEST METHOD | TIME FREQUENCY | Leq dB (A) | Standard |
| Industrial Area | | | | | 75 (6.00 am-10.00 pm) |
| 1 | New Fiber Line | IS 9989: 2014 | 10:00 am to 10:15 am | 67.4 | |
| 2 | SP IV and V | IS 9989: 2014 | 10:20 am to 10:35 am | 69.5 | |
| Commercial Area | | | | | 65 (6.00 am-10.00 pm) |
| 1 | Shopping Centre | IS 9989: 2014 | 11:00 am to 11:15 am | 60.9 | |
| 2 | Chowdary Gate | IS 9989: 2014 | 11:20 am to 11:35 am | 63.8 | |
| Residential Area | | | | | 55 (6.00 am-10.00 pm) |
| 1 | Fire Station (DRT Quarters) | IS 9989: 2014 | 12:00 pm to 12:15 pm | 51.7 | |
| 2 | H Type Quarters | IS 9989: 2014 | 12:20 pm to 12:35 pm | 53.5 | |
| Silence Zone | | | | | 50 (6.00 am-10.00 pm) |
| 1 | Near Kanya Vidyalaya High School | IS 9989: 2014 | 12:40pm to 12:55pm | 48.5 | |
| 2 | Janata Vidyalaya High School | IS 9989: 2014 | 01:00 pm to 01:15pm | 47.1 | |
| Inference as per KSPCB Standards | | Above tested parameters are conforming to standards. | | | |



-:END OF REPORT



Authorized Signatory

Channabasappa Maikar (Chemical)

Note:

1. The results listed above pertain only to the tested samples and applicable parameters. 2. Samples which are degradable/unstable will be disposed immediately after testing and others will be disposed after 15 days from the date of issue of test report unless otherwise specified. 3. Total liability of our laboratory is limited to the invoiced amount. 4. This report is not to be reproduced either wholly or in part and cannot be used as evidence in the court of law and should not be used in any advertising media without prior written permission. 5. If any disputes Subject to Dharwad Jurisdiction. 6. When Laboratory is required by law/contractual agreements to release confidential information, the customer shall be informed unless prohibited by law. 7. Sampling is not done by us unless otherwise specified. 8. Any discrepancy in the test report should be notified within 15 days. 9. For any Complaints kindly register in our Complaint Register maintained with Customer service Coordinator.

ANNEXURE-VIII

WEST COAST PAPER MILLS LIMITED, DANDELI

CREP GUIDELINES

| S. No | Large Pulp & Paper | Implementation schedule | Compliance status from April-23 to September- 2023 |
|-------|--|---|---|
| 1 | Discharge AOX Kg/T paper | AOX 1.5 Kg/T of paper within 2 years AOX 1.0 Kg/T of paper in 5 years. | The AOX level in treated effluent is well below 1 kg/T of product. NABL Lab test report is attached as Annexure – VI |
| 2 | Installation of lime kiln. | Within 4 years. | We have installed Lime kiln of 135 TPD in 2003. In 2009 we have installed one more Lime kiln of 230 TPD. The total quantity of lime sludge generated from Chemical Recovery plant is burnt in Lime kiln to produce lime. |
| 3 | Water discharge m3/T of paper. | * Less than 140 m3/T of paper within 2 years * Less than 120 m3/T of paper within 4 years for units installed before 1992. * Less than 100 m3/T for units installed after 1992. | The discharged quantity of treated trade effluent for the last six months on average is 44201 m ³ /day which works out to 49 M ³ /T of paper. The same is within stipulated norms. |
| 4 | Odour control by burning the reduced sulphur emission in the boiler/lime kiln. | Installation of odour system within 4 years. | The black liquor from FFE at higher concentration of above 70% is fired in to Chemical Recovery Boiler (CRB). The H ₂ S emission from CRB is almost nil. We have installed non condensable gases collection system (M/s. A H Lundberg USA) from Pulp Mill area and burn it in Rotary Lime kiln. System is running satisfactory. |
| 5 | Utilization of Treated Effluent for Irrigation. | Wherever it possible. | We are discharging the treated trade effluent in to the Halamaddi nallah leading to river Kali as per MOEF letter No J-11011/408/2006-IA.II(I). Dated 12-05-2010. Since there is no agriculture land nearby and the mill is surrounded by thick forest, hence utilization of treated effluent for irrigation is not possible. The treated effluent is being used for sprinkling over coal and fly ash to suppress fugitive emission. |
| 6 | Colour removal from the effluent. | Indian paper Manufacturers Association to take-up project with Central Pulp & Paper Research Institute. | Industry is putting continuous efforts to bring down the color in effluent. We are further taking trial of better flocculating agent/Polymer to bring down total suspended solids. To improve further reduction in effluent colour Industry is setting up tertiary treatment is in progress. However, presently the quality of the treated effluent conforms to the prescribed standards. |



ANNEXURE-IX

Rain Water Harvesting Pits



ANNEXURE-X

West Coast Paper Mills Limited, Dandeli

Corporate Social Responsibility Initiative

As a responsible corporate citizen, West Coast Paper Mills Ltd carry out various social initiatives in and around Dandeli under Corporate Social Responsibility ever year.

The primary focus areas are as under:

1. Health Care
2. Safe Drinking Water
3. Education and Skill Development
4. Social infrastructure support and maintenance

Health Care Initiative:

- a. Conduct periodical health checkup camps like Dental, Heart, Pediatric, orthopedic etc. from time to time by inviting expert doctors from Hubli / Dharwad / Belgaum and providing free of cost facility to general public.
- b. Provide required medical and other equipment to local hospitals for use of general public.
- c. Carry out Animal Health Checkup in downstream village and distribute free medicine and protein supplements.
- d. Distribute first-aid boxes to schools and colleges.
- e. Install incinerators in high schools and colleges enabling scientific disposal of sanitary napkins.
- f. Distribute nutrition boxes to needy children of nearby village.
- g. Provide financial helps to NGO who carry out various medical camps in Dandeli for Artificial Limb/Eye Checkup etc.
- h. Undertake periodically Dandeli city areas cleaning programme like Swatch Bharath Abhiyan to support civic administration for large scale cleaning.
- i. During Covid 19 carried out following:
 - Provided help by distributing RT-PCR test kits, PPE Kits, Pulse Oximeter, Masks, Face shield, liquid soaps to local hospital/school/college.
 - Distributed food kits to over 1000 people affected by Covid -19 lockdown.
 - Constructed PSA Oxygen Generation Plant at Dandeli Govt. Hospital for benefit of local public during Covid 19.
 - Established a Covid care Isolation center to supplement govt. facilities.
 - Carried out sanitization at Hospital/School/College in and around Dandeli during Covid 19 time.
 - Displayed awareness and educative banners of Covid-19 all over Dandeli city.
 - Construction of Covid Testing Shed in Dandeli/Joida



Safe Drinking Water initiative:

- a. Provide drinking water to seven downstream villages (having 3000 people and 1800 cattle) and maintain the water supply system throughout the year.
- b. Provide RO Water purifier system to School/colleges / hospitals in our and neighbor talukas of Dandeli, Haliyal, Joida and Mundgod as per requirement.
- c. Provided 2 Water tankers to City Municipal Council of Dandeli for supply of Drinking water to people in need and un accessible to safe drinking water.

Education and Skill Development initiative:

- a. Constructed anganwadis and day care center buildings and supplied kids' friendly soft chairs & toys, television and others educational aids for the toddlers.
- b. Created infrastructure such as modern playground, gymkhana hall etc. in college in Dandeli for the benefit of predominantly rural students
- c. Constructed class rooms and toilet blocks in rural schools and colleges.
- d. Supplied Desk cum Benches, Computers, smart class equipment's, science laboratory to schools & colleges.
- e. Every year distribute over four Lakh note books to over 20,000 local students on subsidized rates.
- f. Distribute annually uniforms, umbrellas, raincoats and school bags to children in nearby rural schools alternatively.
- g. Extend financial assistance to institutions catering to under privileged / tribal students.
- h. Support employable skill development and other graduate courses through Dandeli Education Society.
- i. Conduct periodically tailoring training programs for women of weaker section of society and supply tailoring machines free of cost.
- j. Conduct periodically technical training camps of employable skill enhancement such as operation of heavy earth moving equipment / motor driving to the un employed youth of local area.
- k. Support the Sports and games activities particularly rural sports conducted by recognized institutions.

Social Infrastructure support & Maintenance Initiative:

- a. Developed and renovated with proper access and seating arrangements and are maintaining green gardens with children playing facilities in Dandeli city for the benefit of citizen in general and children & senior citizen in particular.
- b. Rejuvenated several lakes in nearby villages and near wild life habitat by removing the accumulated silt which enhanced water storage capacity of these lakes providing birds and animals water throughout the year.
- c. Extended assistance for construction and maintenance of community halls such as Dr. Ambedkar Hall, Hornbill Samudaya bhavana etc., for the benefit of general public.
- d. Placed cement benches in parks and bus stops for the benefit of senior citizen.
- e. Constructed crematorium for the deceased in Dandeli and surrounding villages.



- f. Distribute cotton grocery bags to the citizen of Dandeli for stoping use of single use plastic bags with slogans *say no to plastic*
- g. Distributed woolen blankets to the flood affected people in our district.
- h. Contribute for the maintenance of Dandakaranya Eco Park – a unique bio diversity park developed by Karnataka Forest department in Dandeli.
- i. Distributed dust bins / waste collection bins in all public/ tourist frequented places in Dandeli for maintaining cleanliness.
- j. Erection of Bus Stops for use of general public in Dandeli.
- k. Construction of Clock Tower in Dandeli for use of general public

Last three years expenditure on C S R initiatives are as under:

Rupees in Lakhs

| SL No | HEADS | 2021-22 | 2022-23 | 2023-24 |
|-------|---------------------------------------|---------------|---------------|---------------|
| 1 | Health Care | 165.25 | 17.65 | 4.86 |
| 2 | Safe Drinking water | 32.72 | 38.37 | 12.11 |
| 3 | Education and Skill Development | 133.20 | 200.10 | 76.41 |
| 4 | Social infrastructure and maintenance | 69.61 | 46.24 | 4.09 |
| 5 | Other Social Initiatives | 5.44 | 51.30 | 34.66 |
| | TOTAL | 406.22 | 353.66 | 132.13 |

(2023-24 figures are from April-2023 to September-2023)



ANNEXURE-XI

WEST COAST PAPER MILLS LTD, DANDELI

ENVIRONMENT CELL

| Sr. No. | Name of the Executive | Designation | Qualification | Responsibility |
|---------|-----------------------|---------------------------|--|--|
| 1. | Mr. Anujkumar Tayal | Sr. Vice President (Tech) | BE(Pulp & Paper) | Mills Technical Head. Overall responsible for Environmental Compliance. |
| 2. | Mr. M. Pati | AGM | M.Sc | Head – QC, Central Lab. Head for Environmental Compliance. |
| 3. | Mr. Ramesh. N | Sr. Manager | M.Sc | Day to day ETP operation and Liasoning with KSPCB/CPCB & MOEF |
| 4. | Mr. U.C. Naregal | Superintendent | B.Sc | Environmental Compliance and co-ordination with PCB officials. |
| 5. | Mr. A.M. Sharma | Chemist | B.Sc | ETP Operation, handling of Stack, Ambient Air, Noise and Effluent testing. Online AAQMS, CEMS & WQMS monitoring and maintenance. |
| 6. | Mr. A.R. Bhandari | Chemist | B.Sc Diploma in Computer Science | |
| 7. | Mr. Gopal. M | Chemist | B.Sc | Effluent Treatment Plant handling in shift |
| 8. | Mr. R.N. Naik | Chemist | B.Sc Diploma in Computer Science | Effluent Treatment Plant handling in shift. Effluent sampling and analysis. |
| 9. | Mr. B.A. Kalagatagi | Chemist | B.Sc | Effluent Treatment Plant handling in shift. |
| 10. | Mr. Omkar Gaonkar | Chemist | B.Sc | Effluent Treatment Plant handling in shift. |

